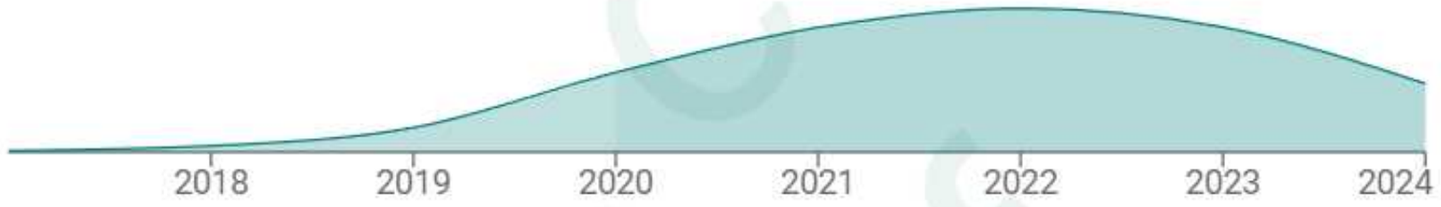
IDiyas Upfront Research Reports

"BLOCKCHAIN"

CREATED BY

IDiyas

First Date: 2017-02-14 **First Patent:** 9569771



Top 10 CPC

H04L9-0637 (1743 patents) - Modes of operation, e.g. cipher block chaining [CBC], electronic codebook [ECB] or Galois/counter mode [GCM]

H04L2209-38 (1688 patents) -

H04L9-50 (1168 patents) - Cryptographic mechanisms or cryptographic arrangements for secret or secure communications; Network security protocols using hash chains, e.g. blockchains or hash trees

H04L9-0643 (1096 patents) - Hash functions, e.g. MD5, SHA, HMAC or f9 MAC

H04L9-3247 (962 patents) - Cryptographic mechanisms or cryptographic arrangements for secret or secure communications; Network security protocols including means for verifying the identity or authority of a user of the system or for message authentication, e.g. authorization, entity authentication, data integrity or data verification, non-repudiation

H04L9-3239 (754 patents) - Cryptographic mechanisms or cryptographic arrangements for secret or secure communications; Network security protocols including means for verifying the

H04L2209-56 (686 patents) - Financial cryptography, e.g. electronic payment or e-cash

G06Q2220-00 (654 patents) - Business processing using cryptography (postage metering system using cryptography [CPC: G06Q2250/05])

H04L9-3236 (649 patents) - Cryptographic mechanisms or cryptographic arrangements for secret or secure communications; Network security protocols including means for verifying the identity

G06F16-2379 (556 patents) - Updates performed during online database operations; commit processing

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#	Patent No	Pub. Date	Filed	Title	Inventors	Assignees
1	12017649	2024-06-25	2020-09-25	Blockchain system to aid vehicle actions	Pramita Mitra; Josh Fodale; Archak Mittal; Eric H Wingfield;	Ford Global Technologies, LLC;
2	12019585	2024-06-25	2020-01-29	Document storage and verification	Yedendra Shrinivasan;	International Business Machines Corporation;
3	12019652	2024-06-25	2020-03-13	Method and device for synchronizing node data	Zhuguang Shao; Haibo Sun; Haiquan Huang; Guangwei Zhao;	Jingdong Technology Information Technology Co., Ltd.;
4	12019653	2024-06-25	2021-12-07	Blockchain clock for storing event data	Mansura Habiba;	International Business Machines Corporation;
5	12019762	2024-06-25	2021-10-14	Blockchain system with severable data and cryptographic proof	Jeffrey C Venable, Sr; Ramanathan Jagadeesan;	Cisco Technology, Inc.;
6	12020061	2024-06-25	2022-04-04	System and method for meta-transactional interoperability of decentralized computing networks	Reza Fatahi; Dane Scarborough;	
7	12020239	2024-06-25	2023-01-10	Method and system for conversion of digital assets to fiat currency	Thomas Treitlinger; Jose Pereira; Eduardo Andrade; Sébastien Le Callonnec; Lauren Grendon;	Mastercard International Incorporated;
8	12020241	2024-06-25	2023-04-18	Systems and methods for multi-entity blockchain-based event break prevention	Shishir Singh;	Citibank, N.a.;
9	12020242	2024-06-25	2018-08-07	Fair transaction ordering in blockchains	Yacov Manevich; Artem Barger;	International Business Machines Corporation;
10	12020249	2024-06-25	2018-08-06	Methods and systems for blockchain-implemented script-based byte interpretation	Ying Chan; Dean Kramer;	Nchain Licensing Ag;
11	12020326	2024-06-25	2020-08-27	Systems and methods for usage based insurance via blockchain	William J Leise; Douglas A Graff; Stacie A McCullough; Shawn M Call; Eric Bellas; Jaime Skaggs; Jacob J Alt; Eric R Moore; Vicki King;	State Farm Mutual Automobile Insurance Company;
12	12020348	2024-06-25	2022-05-05	Decentralized procedural digital asset creation in augmented reality applications	Nick Newberg; Peilin Li; Runjia Tian; Nathanael Schager; Gamze Inanc;	Lemon Inc.;
13	12020825	2024-06-25	2019-10-01	Computer system and method for determining efficacy of a medical treatment for a medical condition	Ahmed Abdulla;	Digipharm Ltd;
14	12021846	2024-06-25	2021-12-23	Technologies for attesting a deployed workload using blockchain	Johan Van de Groenendaal; Alberto J Munoz;	Intel Corporation;
15	12021978	2024-06-25	2021-07-22	Blockchain record of user biometrics for access control	Johnson Manuel-Devadoss;	Oracle International Corporation;
16	12021992	2024-06-25	2023-09-12	System and method for authenticating user identity	Brian R Gallagher; Darwin R Lo;	Insights Network;
17	12021993	2024-06-25	2021-05-11	Blockchain-based transaction method and apparatus, and remitter device	Baoli Ma; Wenbin Zhang;	Advanced New Technologies Co., Ltd.;
18	12021996	2024-06-25	2021-08-13	Universal blockchain data model	Antoine J M Le Calvez; Lucas A Nuzzi;	Coin Metrics Inc.;
19	12021997	2024-06-25	2021-12-06	Blockchain tokenization of aircraft and other complex machinery	James Allen Regenor;	Veritx Corp.;
20	12022006	2024-06-25	2023-04-21	Event communication and verification through a blockchain network	Sukrit Handa; Suman Mukherjee; Timothy P Tidwell; Ajith Thekadath;	Visa International Service Association;

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#	Patent No	Pub. Date	Filed	Title	Inventors	Assignees
21	12022016	2024-06-25	2022-04-07	System and method for managing exception request blocks in a blockchain network	Prashant Khare; Abhishek Trivedi; Gaurav Dadhich; Saurabh Dutta; Shruti Nandini Thakur; Parneet Kaur Gujral; Zeno Valerian Anthony;	Bank of America Corporation;
22	12019613	2024-06-25	2019-07-18	Data integrity and consensuses with blockchain	Arun Murti; Adam E Brenner; Mark D Malamut; Joey C Lei;	Emc IP Holding Company LLC;
23	12013813	2024-06-18	2018-02-20	Regulating distributed network generation of blockchain blocks	Tyson York Winarski;	
24	12013833	2024-06-18	2022-10-26	Blockchain-based high-speed data processing device and method thereof	Kyoung Chul Park;	K4-security.co., Ltd;
25	12014204	2024-06-18	2021-05-11	Block processing method, node, and system	Pan Liu; Maocai Li; Zongyou Wang; Hu Lan; Yifang Shi;	Tencent Technology (shenzhen) Company Limited;
26	12014234	2024-06-18	2023-05-23	System and apparatus for encrypted data collection using RFID cards	Kevin Osborn; James Zarakas; Saleem Sangi; Jeffrey Rule;	Capital One Services, LLC;
27	12014349	2024-06-18	2023-01-17	Transmitting and receiving embedded digital tokens within a blockchain environment	Jim M Mohen; John W Masotti; Leon Afanasyev; Timur Nutfullin;	Web3 IP Holdings LLC;
28	12014625	2024-06-18	2023-09-13	Node of a decentralized airspace management system	Jeffrey Bosworth;	Textron Innovations Inc.;
29	12015602	2024-06-18	2021-08-16	Information security system and method for secure data transmission among user profiles using a blockchain network	Sidhartha Chandran;	Bank of America Corporation;
30	12015623	2024-06-18	2022-06-24	Systems and methods for consensus driven threat intelligence	John Mullins; Wendy Bartlett;	Secureworks, Inc.;
31	12015695	2024-06-18	2021-09-22	User terminal, permission information management method, and permission information management program	Shigeru Fujimura; Akihito Akutsu; Tomokazu Yamada; Atsushi Nakadaira; Junichi Kishigami;	Nippon Telegraph and Telephone Corporation;
32	12015697	2024-06-18	2022-03-30	Network topology	Ajith Thekadath; Suman Mukherjee;	Visa International Service Association;
33	12015702	2024-06-18	2021-06-16	Key sharing for media frames using blockchain	Sebastian Jeuk;	Cisco Technology, Inc.;
34	12015706	2024-06-18	2021-12-14	Combined cryptographic key management services for access control and proof of space	Luca Bert; Joseph Harold Steinmetz;	Micron Technology Incorporated;
35	12015715	2024-06-18	2021-04-28	Trusted aggregation with data privacy based on zero-knowledge-proofs	Johannes Adrianus Wilhelmus Röling; Pankaj Satyanarayan Dayama; Vinayaka Pandit; Joseph Nicolaas Gijsbertus Zeinstra;	International Business Machines Corporation;
36	12015712	2024-06-18	2021-05-24	System and method for proof of view via blockchain	Robert James Mark Hain;	Verasity Limited S.r.l.;
37	12007972	2024-06-11	2022-06-19	Systems and methods for processing blockchain transactions	Paul Snow;	Inveniam Capital Partners, Inc.;
38	12008015	2024-06-11	2022-05-24	Import and export in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
39	12008023	2024-06-11	2022-05-20	Method and system for grouping of blockchain nodes	Ankur Arora; Jaipal Singh Kumawat; Blessy Vohra; Ved Pratap Singh Chauhan; Shubham Jain; Shreya Mittal;	Mastercard International Incorporated;
40	12008083	2024-06-11	2020-03-19	Information processing apparatus, for storing consensus information among copyright holders in a blockchain	Kenichi Gokan;	Sony Group Corporation;

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#	Patent No	Pub. Date	Filed	Title	Inventors	Assignees
41	12008110	2024-06-11	2022-07-29	System and method for recording device lifecycle transactions as versioned blocks in a blockchain network using a transaction connector and broker service	Srinivas Kumar; Atul Gupta; Ruslan Ulanov; Shreya Uchil;	Digicert, Inc.;
42	12008145	2024-06-11	2018-07-06	Method and server for certifying an electronic document	Laurent Topart; Philippe Legay; Raffi Basmadjian;	Orange;
43	12008348	2024-06-11	2023-05-05	Smart contract compiler	Akiva Dubrofsky; Ashwin Tumne;	
44	12008394	2024-06-11	2023-02-21	Blockchain sharding with parallel threads	Rundong Huang;	Ezblock Ltd.;
45	12008503	2024-06-11	2018-11-07	Sensor risk assessment database	Komminist Weldemariam; James R Kozloski; Clifford A Pickover; Edgar A Zamora Duran;	International Business Machines Corporation;
46	12008524	2024-06-11	2022-10-04	Method and system of mining blockchain transactions provided by a validator node	Giuseppe Destefanis; Simone Madeo; Patrick Motylinski; Stephane Vincent;	Nchain Licensing Ag;
47	12008526	2024-06-11	2022-03-26	Computer system and method for programmatic collateralization services	Patrick D O'Meara; Richard Gates Bunker, Jr; Quentin Vidal; Scott Jason Landers; Jeannette L Spaulding; Kevin M Cuddeback; Sanjay Vatsa; David Todd Stevens; Michael Carlo Creadon; Christos Alkiviadis Polyzois;	Inveniam Capital Partners, Inc.;
48	12008527	2024-06-11	2021-08-17	Systems, methods, and computer program products providing an identity-storing browser	Phanendra Mallampalli; Sriram Ramakrishnan; Frank Anthony Nuzzi;	
49	12008549	2024-06-11	2019-07-22	Federated custodian	Sivanarayana Gaddam; Atul Luykx; Cuy Sheffield;	Visa International Service Association;
50	12008555	2024-06-11	2021-09-23	Blockchain architecture, system, method and device including a hybrid public-private iteration for facilitating secure data collection and controlled distribution using a decentralized transaction information platform and token ecosystem	H Anthony DeRosa-Grund;	Atrium Separate IP Holdings Number 4, LLC;
51	12008556	2024-06-11	2020-03-03	Method and apparatus for executing smart contract	Zhuguang Shao;	Jingdong Technology Information Technology Co., Ltd.;
52	12008559	2024-06-11	2022-06-17	Decentralized blockchain for artificial intelligence-enabled multi-party skills exchanges over a network	Alston Ghafourifar; Mehdi Ghafourifar;	Entefy Inc.;
53	12008563	2024-06-11	2021-11-10	Systems and methods for end-to-end verification of manufacturing workflows	Juan Carlos Flores Perez; Mikhail Gladkikh;	Baker Hughes Holdings LLC;
54	12008569	2024-06-11	2021-01-15	Transaction verification system and method of operation thereof	Lum Ramabaja;	
55	12008649	2024-06-11	2023-07-18	Blockchain instrument for transferable equity	Thomas Marshall Gordon, III;	Equity Shift, Inc.;
56	12008669	2024-06-11	2021-12-06	Patent licensing method utilizing a distributed ledger infrastructure	Gary W Grube;	Caerus Institute LLC;
57	12009070	2024-06-11	2021-03-05	Intelligent health-based blockchain	Michal Knas; Jiby John; Richard Ferry; Krzysztof Gibadlo;	Massachusetts Mutual Life Insurance Company;
58	12009073	2024-06-11	2021-05-17	Blockchain architecture, system, method and device for facilitating secure medical testing, data collection and controlled distribution using a decentralized health information platform and token ecosystem	H Anthony DeRosa-Grund;	Atrium Separate IP Holdings Number 4, LLC;
59	12010138	2024-06-11	2022-10-24	Secure blockchain-based consensus	Pedro Jimenez-Delgado;	Nchain Licensing Ag;
60	12010212	2024-06-11	2023-03-06	Consensus-based voting for network member identification employing blockchain-based identity signature mechanisms	Joseph R Mazzarella;	Mutualink, Inc.;

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61	12010216	2024-06-11	2022-12-12	Computer-implemented system and method for highly secure, high speed encryption and transmission of data	Craig Steven Wright;	Nchain Licensing Ag;
62	12010221	2024-06-11	2022-09-18	Method and system for communicating a secret	Craig Steven Wright;	Nchain Licensing Ag;
63	12010226	2024-06-11	2021-03-17	Blockchain data segregation	Yacov Manevich; Dulce B Ponceleon; Nitin Gaur; Petr Novotny;	International Business Machines Corporation;
64	12010228	2024-06-11	2019-03-27	Systems, methods, and devices for secure blockchain transaction and subnetworks	Philippe Desmarais; Thierry St-Jacques-Gagnon;	Kelvin Zero Inc.;
65	12010233	2024-06-11	2023-06-22	Computer-implemented systems and methods for combining blockchain technology with digital twins	Alexandra Covaci; Giuseppe Destefanis; Simone Madeo; Patrick Motylinski; Stephane Vincent;	Nchain Licensing Ag;
66	12010239	2024-06-11	2023-02-11	Talking head digital identity authentication	Roberta Jean Smith; Nicolas Antczak;	Avaworks, Incorporated;
67	12010240	2024-06-11	2021-09-30	Augmented-reality experience control through non-fungible token	Rajeev Advani; Vu Tran;	Snap Inc.;
68	12010244	2024-06-11	2020-11-09	Blockchain based verifiability of user status	Elli Androulaki; Alessandro Sorniotti; Ilie Circiumaru; Miguel Angel Prada Delgado; Marc Ph Stoecklin; Marko Vukolić; Jesus Diaz Vico;	International Business Machines Corporation;
69	12010251	2024-06-11	2020-12-18	Electric border gateway device and method for chaining and storage of sensing data based on the same	Yuan He; Hui Liu; Yan Wang; Yao Sun;	Jiangsu Zhirong Energy Technology Co., Ltd.;
70	12010541	2024-06-11	2021-12-17	System and method for cryptocurrency incentives in a global distributed crowdsourced spectrum monitoring network	Nikhil Adnani;	Thinkrf Corporation;
71	12007240	2024-06-11	2022-03-29	Blockchain rideshare data aggregator solution	Justin Davis; Ryan Gammelgard;	State Farm Mutual Automobile Insurance Company;
72	12007981	2024-06-11	2020-12-02	Blockchain selective world state database	Anuj Kumar Garg; Mani Madhukar; Neeraj Kumar Gupta; Vineet Khatri;	International Business Machines Corporation;
73	12007984	2024-06-11	2023-02-23	Flow control for probabilistic relay in a blockchain network	Giuseppe Destefanis; Simone Madeo; Patrick Motylinski; Stephane Vincent; Alexandra Covaci;	Nchain Licensing Ag;
74	12010204	2024-06-11	2022-05-27	Systems for multi-blockchain, multi-token interoperability via common blockchain integration	Kevin Lupowitz; Eric Couillard; Sanjaya Kulkarni; Brian Bruce; Sanjay Deshpande; Omari Edwards; Joe Grastara; Al Gleicher;	Tassat Group Inc.;
75	12001443	2024-06-04	2022-12-08	Authoritative factual service for blockchain smart contracts	Ibrahim Badr;	Google Inc.;
76	12001522	2024-06-04	2023-10-06	Asset metadata oracle service for facilitating digital asset trading	Alexander Lipton; Marsha Lipton; Thomas P Hardjono;	Numéraire Financial, Inc.;
77	12001575	2024-06-04	2022-05-05	Automated validation and security for digital assets in a computer environment	Chayapathy Gangadarappa;	Skyscend, Inc.;
78	12001999	2024-06-04	2019-01-08	Price based navigation	Erik M Simpson;	Circlesx LLC;
79	12002017	2024-06-04	2022-03-25	Method and system for multi-account check processing via blockchain	Ankur Arora; Rakesh Patel; Aditya Koduri;	Mastercard International Incorporated;
80	12002020	2024-06-04	2022-08-12	Systems and methods for blockchain-dependent operation sets	Lorien Benjamin Gamaroff; Angus James Farquharson Campbell Brown;	Nchain Licensing Ag;

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81	12002047	2024-06-04	2022-06-22	System and method for blockchain-verified digital-identity-and-derivatives archetype-based transaction processing and implementation with the aid of a digital computer	Todor Yotkov Yotov;	
82	12002090	2024-06-04	2021-12-23	Approving and updating dynamic mortgage applications	Benjamin Tarmann; Richard R Rhodes; Lokesh Awasthy; Denise DeRoeck; Jaime Skaggs; Jacob J Alt; Shanna L Phillips; Shyam Tummala; Matthew S Meierotto; Richard D Groonwald; Brian J Hughes;	State Farm Mutual Automobile Insurance Company;
83	12002117	2024-06-04	2019-03-12	Advanced metering with distributed ledger control	Lyle Walter Paczkowski; Ivo Rook; John Melvin Meyer, Jr;	T-mobile Innovations LLC;
84	12002118	2024-06-04	2020-11-30	Distributed ledger in oil and gas custody transfers	Subha Lalitha Bhattiprolu; Richard Linwood Linscott; Alexander Park Johnson;	Schneider Electric Systems Usa, Inc.;
85	12002158	2024-06-04	2020-07-07	Information processing apparatus, information processing method and information processing system	Takaaki Kato;	Sony Group Corporation;
86	12002311	2024-06-04	2019-12-05	Blockchain supported smart lock system	Devu Manikantan Shila; Adriaan Larmuseau; Adam Kuenzi; Yuri Novozhenets;	Carrier Corporation;
87	12003496	2024-06-04	2019-02-25	System and method for autonomously operating public ledger-based credential	Kwang Bum Lee;	Data Alliance Co., Ltd.;
88	12003615	2024-06-04	2021-05-20	Lifecycle administration of domain name blockchain addresses	Andrew Kaizer; Swapneel Sheth;	Verisign, Inc.;
89	12003616	2024-06-04	2022-05-27	Rapid distributed consensus on blockchain	John Fletcher; Thomas Trevethan; Marco Bardoscia;	Nchain Licensing Ag;
90	12003618	2024-06-04	2021-10-14	Methods and systems for a heterogeneous multi-chain framework	Gavin Wood; Robert Habermeier;	Parity Technologies Ltd.;
91	12003622	2024-06-04	2023-10-11	Enabling secure storage and sharing of images	Gary Anderson; Nicholas Franco; Jason Sean Gagne-Keats;	Osom Products, Inc.;
92	12003641	2024-06-04	2022-03-04	Establishing a tokenized license of a virtual environment learning object	Matthew Bramlet; Justin Douglas Drawz; Steven J Garrou; Christine Mancini Varani; Gary W Grube;	Enduvo, Inc.;
93	12003647	2024-06-04	2022-10-30	Reduced-step blockchain verification of media file	Praveen Jayachandran;	International Business Machines Corporation;
94	12001403	2024-06-04	2022-03-23	Blockchain cell system	Bao Tran;	
95	12003645	2024-06-04	2021-06-25	Method and apparatus for creating blocks in blockchain system	Hwanjo Heo;	Electronics and Telecommunications Research Institute;
96	11992769	2024-05-28	2023-03-06	Distributed ledger tracking of event data	Nicholas J Witchey; John Wiacek; Patrick Soon-Shiong;	Nant Holdingsip, LLC;
97	11994987	2024-05-28	2022-11-21	NFT systems, methods, and structures for multiplatform gaming content	Chern Ann Ng; Carlos Pajares Bernardez;	Monsoon Digital Pte Ltd.;
98	11995067	2024-05-28	2022-03-21	Systems and methods for blockchain rule synchronization	Ryan Pierce; Ajay Madhavan; Stanislav Liberman; Mansoor Ahmed;	Chicago Mercantile Exchange Inc.;
99	11995525	2024-05-28	2022-07-18	Generative adversarial network model training using distributed ledger	Kevin Gidney;	Docusign International (emea) Limited;
100	11995596	2024-05-28	2019-04-04	System, method, and computer-readable medium for tracking information exchange	Vittorio Loreto; Vito D P Servedio; Niklas Reisz; Stefan Thurner;	Sony Corporation; Complexity Science Hub Vienna;

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101	11995618	2024-05-28	2021-04-22	Blockchain network interaction controller	Quan Wang;	Visa International Service Association;
102	11995623	2024-05-28	2022-12-13	Universal payment channels	Mohammad Mohsen Minaei Bidgoli; Ranjit Kumaresan; Mahdi Zamani; Sivanarayana Gaddam;	Visa International Service Association;
103	11995644	2024-05-28	2020-08-13	System and method for managing transactional interoperability amongst blockchains	Abhijit Keskar;	Innoplexus Ag;
104	11995645	2024-05-28	2022-02-17	Computer-implemented system and method for generating and extracting user related data stored on a blockchain	Martin Sewell; Vera Vsevolozhsky; Craig Steven Wright;	Nchain Licensing Ag;
105	11995646	2024-05-28	2023-01-11	Blockchain-based method and system for specifying the recipient of an electronic communication	Gavin Allen; Craig Steven Wright;	Nchain Licensing Ag;
106	11995647	2024-05-28	2019-04-30	System and method of providing interoperable distributed and decentralized ledgers using consensus on consensus and delegated consensus	Prithvi Krishnan Padmanabhan; Marc Benioff;	Salesforce, Inc.;
107	11996174	2024-05-28	2022-05-12	Blockchain architecture, system, method and device for facilitating electronic health record maintenance, sharing and monetization using a decentralized health information platform including a non-fungible token function and security protocols	H Anthony DeRosa-Grund;	Atrium Separate IP Holdings Number 4, LLC;
108	11997162	2024-05-28	2022-11-11	Systems and methods of exposing data from blockchain nodes	Evgeny Aseev; Laurent Dedenis; Dmitry Chepurovskiy; Anton Zaslavskii; Serg Bell; Stanislav Protasov;	Chainstack Pte. Ltd.;
109	11997210	2024-05-28	2021-09-02	Protection of online applications and webpages using a blockchain	Rafael de Castro Bueno;	Oracle International Corporation;
110	11997211	2024-05-28	2021-09-28	Method and system for aggregated storage of observational data on a blockchain	Robert Collins; Conor McQuillan; Susan Lynch; Leandro Nunes da Silva Carvalho; Bella Wu;	Mastercard International Incorporated;
111	11997216	2024-05-28	2022-02-23	Systems and methods for maintaining secure, encrypted communications across distributed computer networks by linking cryptography-based digital repositories in order to perform blockchain operations in decentralized applications	Ben Schreck; Ankit Chiplunkar; Matt Moore; Olivia Thet; Peter Jihoon Kim; Trevor Aron;	Coinbase, Inc.;
112	11997218	2024-05-28	2021-03-02	Decentralized, dynamic media key block for broadcast encryption	Yacov Manevich; Dulce B Ponceleon; Petr Novotny; Nitin Gaur;	International Business Machines Corporation;
113	11997737	2024-05-28	2022-01-31	Cognitive hotspot provisioning and network prioritization	Tiberiu Suto; Shikhar Kwatra; Hemant Kumar Sivaswamy; Nadiya Kochura;	Kyndryl, Inc.;
114	11986368	2024-05-21	2022-03-11	Oral appliance in a blockchain system	Peter John Zegarelli;	Emanate Biomedical, Inc.;
115	11986736	2024-05-21	2023-06-01	On-chain cryptographic assets applied in off-chain electronic game leveling and progression	Tawsif Khan; Beau L Button;	Atlas Reality, Inc.;
116	11988999	2024-05-21	2021-09-14	Transaction harmony degree-based method and system for transaction matching between power grid and building energy	Shuang Zeng; Xianglong Li; Yifeng Ding; Anqi Liang; Mingquan Qiu; Zhao Wang; Ping Chen; Qijing Xing; Lin Ma; Dapeng Duan; Huanna Niu; Xuwu Ge; Zongsheng Li;	State Grid Beijing Electric Power Company; China Agricultural University; State Grid Corporation of China;
117	11989166	2024-05-21	2022-09-23	Systems and methods for improved servicing of queries for blockchain data	Leo Liang; Jie Zhang; Wisam Dakka; Xiaolei Peng;	Coinbase, Inc.;
118	11989208	2024-05-21	2018-08-30	Transactional sharding of blockchain transactions	Clay Douglass; Paul Snow;	Inveniam Capital Partners, Inc.;
119	11989266	2024-05-21	2021-06-15	Method for authenticating digital content items with blockchain and writing digital content items data to blockchain	Richard Banh;	
120	11989267	2024-05-21	2023-07-13	Blockchain encoding system	Logan A Wells; Rick Anthony Wells;	Black Atom Technologies, Inc.;

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121	11989316	2024-05-21	2023-09-27	Systems and methods for blockchain wallet owner verification and access management	Jonah Burglin; Jordan Burglin;	Anonydoxx, LLC;
122	11989703	2024-05-21	2021-08-02	Method and system of blockchain disbursements	Soumyajit Mitra; Jamal Khan; Oskar Duris; Sasyasri Geedipalli; Shashi Raghunandan;	Mastercard International Incorporated;
123	11989713	2024-05-21	2021-11-02	System, method and device for processing a transaction	Charles Christian Bedford;	
124	11989725	2024-05-21	2019-02-01	Blockchain-implemented systems and methods for secure access control	Silvia Bartolucci; Pauline Bernat; Daniel Joseph;	Nchain Licensing Ag;
125	11989813	2024-05-21	2023-02-11	Talking head digital identity authentication on a distributed network	Roberta Jean Smith; Nicolas Antczak;	Avaworks, Incorporated;
126	11989840	2024-05-21	2022-05-10	Augmented reality effects on blockchain	Peilin Li; Runjia Tian; Chongxin Luo; Daniel Sanchez; Yilu Fan;	Lemon Inc.;
127	11990211	2024-05-21	2021-02-09	Sample tracking via sample tracking chains, systems and methods	Nicholas James Witchey; Patrick Soon-Shiong;	Nant Holdingsip, LLC;
128	11990215	2024-05-21	2020-10-19	System for providing a data market for health data and for providing rewards to data market participants	Kyle Culver; Rohit Wason; Nicholas Hill; Zachary A Stout; Matthew A Plappert; Chulmin Lee; Benjamin Singer; Norman Leach; Emily Braun;	Humana Inc.;
129	11991078	2024-05-21	2023-02-07	Access control and ownership transfer of digital content using a decentralized content fabric and ledger	Serban Simu; Michelle Munson;	Eluvio, Inc.;
130	11991298	2024-05-21	2020-06-15	Method for the execution of an instance of a smart contract by means of a blockchain	Fausto Spoto; Iris Dimni; Francesco Pasetto; Giovanni Antino;	Ailia Sa;
131	11991299	2024-05-21	2023-12-11	Systems and methods for facilitating use of artificial intelligence platforms trained on blockchain action lineages to conduct blockchain actions	Jonathan Miles Collin Rosenoer;	Citibank, N.a.;
132	11991334	2024-05-21	2021-10-21	Image forming apparatus, control method, and storage medium	Shiro Kunori;	Canon Kabushiki Kaisha;
133	RE49968	2024-05-14	2022-05-24	Electronic identification verification methods and systems with storage of certification records to a side chain	Armin Ebrahimi; Gaurav Khot; Vladimir Reshetnikov; Robert Gadbois;	Ping Identity Corporation;
134	11980309	2024-05-14	2018-07-30	Smart unattended home delivery box	Amor Chowdhury; Milos Urbanija; Luka Goste; Dalibor Igrec;	Margento R&d D.o.o;
135	11983160	2024-05-14	2021-04-13	Apparatus and method for providing sensor data based on blockchain	Young-Ho Kim; Kyeong-Tae Kim; Jeong-Nyeo Kim; Seon-Gyoung Sohn; Yun-Kyung Lee; Jae-Deok Lim;	Electronics and Telecommunications Research Institute;
136	11983253	2024-05-14	2022-07-26	Non-fungible token (NFT) content identifier with split tracking	Mark Goldston; Stacy Haitsuka; John Kohl; Ofek Hayon; Harold MacKenzie;	Tunego, Inc.;
137	11983290	2024-05-14	2019-08-22	Method and distributed ledger system for supporting identity management of travelers in an airport	Sebastien Andreina; Alessandro Sforzin; Ghassan Karame;	Nec Corporation;
138	11983655	2024-05-14	2021-02-24	Method, system, and media for machine learning annotation and image marketplace using blockchain ledgers	Karl Diedrich; Marwan Sati; Jennifer C Quattrone-Brown; Mark D Bronkalla;	International Business Machines Corporation;
139	11983682	2024-05-14	2021-01-14	Trustless physical cryptocurrency	Charles Cameron Robertson; Tilman Heiner Drerup; Paul Michael Gerhardt; David Joshua Myers;	Airtime Networks, Inc.;
140	11983709	2024-05-14	2023-05-16	Systems and methods for addressing security-related vulnerabilities arising in relation to off-blockchain channels in the event of failures in a network	John Fletcher;	Nchain Licensing Ag;

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141	11983713	2024-05-14	2021-03-16	Blockchain transaction privacy protection method and blockchain node device	Yuhg-Chang Tai;	Hon Hai Precision Industry Co., Ltd.;
142	11983765	2024-05-14	2022-02-25	Distributed energy trading with blockchain settlement	James Rilett; Isabel Tang; Mark Gilleeney; Janjoost Jullens; Raza Hassan; Jan-Gerrit Harms; Sandor Ivancsics;	Distro Energy B.v.;
143	11983769	2024-05-14	2021-09-29	Interfaces and techniques for secure transaction funding	Bryan Walser Nonni; Abdulwahab Jarkas;	Ncr Voyix Corporation;
144	11983782	2024-05-14	2019-06-27	Method, device, storage medium and program product for carbon trading	Xinli Tian; Jianliang Gu;	Vechain Global Technology Sarl;
145	11983833	2024-05-14	2022-03-30	Computer-implemented method of generating an avatar	Devan Moodley;	Health Connect Global Limited;
146	11984203	2024-05-14	2021-01-15	System and processes for anonymous DNA/RNA biospecimen tracking for human families using filters and non-fungible-tokens	Daniel Francisco Uribe; William Buchanan;	
147	11984205	2024-05-14	2022-08-01	Non-fungible token systems and methods for storing and accessing healthcare data	Michael J Cordonnier; Shariq Hussain; Niall Patrick Casey;	Carlsmed, Inc.;
148	11985143	2024-05-14	2021-04-19	Blockchain-based accountable distributed computing system	Tsz-Chun Michael Chiu; Uros Kalabic; Abraham Goldsmith;	Mitsubishi Electric Research Laboratories, Inc.;
149	11985223	2024-05-14	2022-12-06	High performance distributed system of record with key management	David C Carver; Samuel Erb;	Akamai Technologies, Inc.;
150	11985225	2024-05-14	2019-05-08	Computer-implemented systems and methods for using veiled values in blockchain	Craig Steven Wright;	Nchain Licensing Ag;
151	11985227	2024-05-14	2020-11-16	Method and a system for securing data, especially data of biotechnological laboratories	Krzysztof Misztal; Aleksandra Kubica-Misztal; Tomasz Sluzalec;	Dicella Sp. Z O.o.;
152	11985248	2024-05-14	2022-06-15	Nested blockchain system	Christopher M Johnson;	Walmart Apollo, LLC;
153	11985249	2024-05-14	2021-11-19	Blockchain creation method, computing device, and storage medium	Kai-Ti Hsu;	Hon Hai Precision Industry Co., Ltd.;
154	11985251	2024-05-14	2021-01-11	Data synchronization method and apparatus, computer device, and readable storage medium	Maocai Li; Zongyou Wang; Hu Lan;	Tencent Technology (shenzhen) Company Limited;
155	11985252	2024-05-14	2021-05-14	Resolving and managing blockchain domains	Braden River Pezeshki; Matthew Everett Gould; Bogdan Gusiev;	Unstoppable Domains Inc.;
156	11985262	2024-05-14	2022-09-30	Secure and trustworthy bridge for transferring assets across different networks	Michael Edmond Kaplan; Conor Leary; Nicholas Mussallem; Emin Gun Sirer; Bernard Wong;	Ava Labs, Inc.;
157	11985263	2024-05-14	2024-01-02	Asynchronous and concurrent transaction processing method with high-performance oriented to permissioned blockchain	Xiulong Liu; Baochao Chen; Sheng Qin; Keqiu Li;	Tianjin University;
158	11983711	2024-05-14	2023-04-19	Hierarchy-based blockchain	Ryan Marsh;	Citibank, N.a.;
159	11985116	2024-05-14	2021-08-20	Method and system for blockchain based cyber protection of network entities	Alon Lelcuk; David Aviv;	Radware, Ltd.;
160	11985138	2024-05-14	2023-04-20	Systems and methods for processing optimizations and templating using metadata-driven blockchain techniques	Sanzib Khaund;	Live Nation Entertainment, Incorporated;

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161	11977537	2024-05-07	2018-12-28	Method and device of processing data for blockchain, and blockchain system	Yan Zhang; Yi Shi;	Hefei Dappworks Technology Co., Ltd.;
162	11977587	2024-05-07	2022-06-23	System and method for acquiring a measure of popular by aggregation, organization, branding, stake and mining of image, video and digital rights	Daniel D Rush; Joe Rey;	Popology Megaverse LLC;
163	11977645	2024-05-07	2020-04-02	Local/hybrid blockchain for oil and gas operations integrity	Eric Jeanson;	Schlumberger Technology Corporation;
164	11977924	2024-05-07	2018-11-13	High performance distributed system of record with distributed random oracle	David C Carver; Samuel Erb;	Akamai Technologies, Inc.;
165	11977944	2024-05-07	2022-03-08	Method for verifying the habilitation of a terminal to check an identity attribute of a user	Christine Hennebert;	Commissariat a L'energie Atomique Et Aux Energies Alternatives;
166	11978024	2024-05-07	2022-12-31	Protocol flow for notarizing a transaction	Michael Christopher Hearn; Qurratul Ain Shams Asari;	R3 Ltd.;
167	11978038	2024-05-07	2022-05-06	Hot wallet protection using a layer-2 blockchain network	Jakub Burgis; Raoul Johnson; Andrew Marshall; Muhammad Saad;	Paypal, Inc.;
168	11978043	2024-05-07	2018-09-04	Time lock technique for securing a resource on a blockchain	Craig Steven Wright;	Nchain Licensing Ag;
169	11978044	2024-05-07	2021-04-12	Client authentication using split key signing on a blockchain platform	Saswata Basu; Siva Dirisala;	Ochain, LLC;
170	11978049	2024-05-07	2023-11-28	Systems and methods for blockchain network traffic management using automatic coin selection	Boaz Bechar; David Bloch;	Citibank, N.a.;
171	11978084	2024-05-07	2022-09-29	Decentralized computer systems and methods for using a debit network as an intermediary between distributed ledgers	Chandra Olson;	Worldpay Limited;
172	11978118	2024-05-07	2022-06-30	Event management and validation platform using a recursive hierarchic blockchain	Maharaj Mukherjee;	Bank of America Corporation;
173	11978313	2024-05-07	2021-08-27	Distributed ledger based gaming system	Gregory Ovalle;	Lottery Now, Inc.;
174	11979385	2024-05-07	2022-03-29	Security-enhanced origination of blockchain transactions	Silvia Bartolucci; Pauline Bernat; Daniel Joseph;	Nchain Licensing Ag;
175	11979400	2024-05-07	2022-02-14	Systems and methods for securing devices in a computing environment	Chasity Latrice Wright;	Lourde Wright Holdings, LLC;
176	11979485	2024-05-07	2020-08-13	Electronic device providing blockchain account information and method of operating the same	Youna Lee; Sungjin Park; Dohyun Jo; Seungmin Ha; Seongmin Je;	Samsung Electronics Co., Ltd.;
177	11979486	2024-05-07	2023-01-31	Methods, systems, and devices for configuring a federated blockchain network	Thyge Knuhtsen; Rod Cruz; Humayun Arif; Rene Dufrene;	At&t Intellectual Property I, L.p.; At&t Intellectual Property Ii, L.p.;
178	11979487	2024-05-07	2022-08-05	System and method for mining digital currency in a blockchain network	David A Carlson;	Marvell Asia Pte., Ltd.;
179	11979490	2024-05-07	2022-02-16	Non-fungible token blockchain processing	Saswata Basu; Thomas Howard Austin;	0chain Corp.;
180	11979492	2024-05-07	2019-10-18	Computer-implemented system and method for distributing shares of digitally signed data	Craig Steven Wright;	Nchain Licensing Ag;

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181	11979499	2024-05-07	2020-04-29	Systems and methods for mining on a Proof-of-Work blockchain network	Craig Steven Wright; John Fletcher; Alexander Tennyson MacKay;	Nchain Licensing Ag;
182	11979504	2024-05-07	2018-12-31	Blockchain architecture conforming to general data protection regulation for management of personally identifiable information	Jin Hong Yang; Chul Soo Kim; Md Mehedi Hassan Onik; Nam Yong Lee;	Inje University Industry-cooperation Foundation;
183	11978045	2024-05-07	2016-12-22	Method and system for anonymous directed blockchain transaction	Jason Jay Lacoss-Arnold; Stephen Higgins;	Mastercard International Incorporated;
184	11978115	2024-05-07	2021-04-15	Method, device, and storage medium for blockchain data processing	Rui Guo; Yige Cai; Maocai Li; Qing Qin; Jianjun Zhang; Zongyou Wang; Zichao Tang; Qingzheng Shang; Chen Yang; Li Kong;	Tencent Technology (shenzhen) Company Limited;
185	11979493	2024-05-07	2022-03-29	Methods and systems to establish trusted peer-to-peer communications between nodes in a blockchain network	Giuseppe Destefanis; Simone Madeo; Patrick Motylinski; Stephane Vincent;	Nchain Licensing Ag;
186	11971874	2024-04-30	2019-01-31	Systems, methods, and apparatuses for implementing efficient storage and validation of data and metadata within a blockchain using distributed ledger technology (DLT)	Prithvi Krishnan Padmanabhan; Bertha Ching Wai Lam; Sri Naga Deepthi Velisetti;	Salesforce, Inc.;
187	11971878	2024-04-30	2022-06-30	Systems and methods for supporting both batch processing and streaming data applications based on raw blockchain data	Jie Zhang; Zhicong Liang; Yaohua Yang; David Lai; Chaoqing Lu; Jinghan Xu; Xu Meng;	Coinbase, Inc.;
188	11971879	2024-04-30	2022-07-13	Systems and methods for recording data representing multiple interactions	Ajith Thekadath; Suman Mukherjee; Mondo Jacobs; David Henstock;	Visa International Service Association;
189	11971881	2024-04-30	2023-10-16	Systems and methods for real-time recording of transfers of self-validating digital records across cryptographically secure networks using cross-network registries	Nisha Surendran; Shishir Singh; Jack White; Justin Karol;	Citibank, N.a.;
190	11971904	2024-04-30	2022-07-22	Track and trace vaporizers and cartridges	Mark Krietzman;	
191	11971903	2024-04-30	2022-05-13	Atomically bridging transactions across different blockchains	Michael Grant; Marcus Boorstin; Rachel Marison;	Circle Internet Financial Limited;
192	11971929	2024-04-30	2021-09-24	Secure signing method, device and system	Joss Daniel Giffard-Burley; Avinav Khanal; Novi Rahman;	Wacom Co., Ltd.;
193	11971999	2024-04-30	2021-04-28	Optimizing blockchain creation with artificial intelligence based on system resources	Tyson York Winarski;	
194	11972002	2024-04-30	2022-05-16	Method of logging in to operating system, electronic device and readable storage medium	Shiaw-Herng Liu;	Hon Hai Precision Industry Co., Ltd.;
195	11972004	2024-04-30	2019-06-11	Document redaction and reconciliation	Igor S Ramos; Marc Dickenson; Sumabala Nair;	International Business Machines Corporation;
196	11972009	2024-04-30	2018-09-22	Systems and methods of identifying and managing remotely piloted and piloted air traffic	Aaron Pierce;	Pierce Aerospace Incorporated;
197	11972414	2024-04-30	2021-06-30	Data recording methods and apparatuses, electronic devices, and storage media	Zhenzhong Meng; Lidong Gu; Ge Jin;	Alipay (hangzhou) Information Technology Co., Ltd.;
198	11972415	2024-04-30	2022-01-21	Non-fungible token system for randomized event sessions	Howard Panes;	Hpvc, LLC;
199	11972422	2024-04-30	2020-12-07	Registry and automated management method for blockchain-enforced smart contracts	Craig Steven Wright; Stephane Savanah;	Nchain Licensing Ag;
200	11972481	2024-04-30	2020-01-28	Managing blockchain transactions	Donald S Bell; Michael J Hudson;	International Business Machines Corporation;

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201	11972862	2024-04-30	2021-04-27	Blockchain-based technologies for tracking product lifecycle	Benjamin I Joseph; Seth A Nash; Bryce A Isch;	Mend Medical, LLC;
202	11973666	2024-04-30	2022-10-11	Systems and methods for using blockchain to manage service-level agreements between multiple service providers	Deepak Majjiga; Raghuram Parvataneni;	Verizon Patent and Licensing Inc.;
203	11973750	2024-04-30	2022-11-22	Federated identity management with decentralized computing platforms	Bojan Simic; Roman Kadinsky; Robert Panebianco;	Hypr Corp.;
204	11973825	2024-04-30	2023-02-10	System, method, and computer program for blockchain-based entity group management	Pavel Yefim May; Sergey Podalov; Vladimir Tkach;	Amdocs Development Limited;
205	11973857	2024-04-30	2020-04-29	Data archive	Anuj Kumar Garg; Himanshu Gupta; Mukesh Kumar Mohania; Neeraj Kumar Gupta;	Kyndryl, Inc.;
206	11973858	2024-04-30	2021-03-12	Method for recording data block in blockchain network, accounting node, and medium	Maocai Li; Hu Lan; Zongyou Wang; Kaiban Zhou; Haitao Tu; Jinsong Zhang; Yifang Shi; Changqing Yang; Li Kong; Gengliang Zhu; Yong Ding; Qucheng Liu; Qiuping Chen; Peng Wang;	Tencent Technology (shenzhen) Company Limited;
207	11973869	2024-04-30	2019-04-24	Maintaining blocks of a blockchain in a partitioned blockchain network	Dean Kramer; Martin Sewell; Bassem Ammar;	Nchain Licensing Ag;
208	11973872	2024-04-30	2022-04-18	Data security solution using randomized 3-axis data shapes and tokenized data element placement of encrypted and non-encrypted data	James Allen Regenor;	Veritx Corp.;
209	11973874	2024-04-30	2023-06-16	Systems and methods for token metadata management	Kevan Connor Mordan; Mohammad Reza Kavian; Benjamin Ilan Weinberg;	Dk Crown Holdings Inc.;
210	11973880	2024-04-30	2021-03-29	Data processing method and data processing device	Yunfei Qiao; Rongdao Yu; Yinggang Du; Guangjian Wang;	Huawei Technologies Co., Limited;
211	11973889	2024-04-30	2021-07-08	Searchable encrypted data sharing method and system based on blockchain and homomorphic encryption	Song Han; Siqi Ren; Haiqing Bai; Ben Niu; Xiaoli Chen;	Zhejiang University City College; Zhejiang Gongshang University; Insititute of Information Engineering, Cas; Zhejiang Ponshine Information Technology Co., Ltd.;
212	11974249	2024-04-30	2023-04-26	Systems and methods for deployment of a decentralized electronic subscriber identity module	Ismaila Wane; Karsten Ohme;	Bloxtel Inc.;
213	11971877	2024-04-30	2022-04-19	Method, apparatus, device, and storage medium for proposal message processing for blockchain	Pan Liu;	Tencent Technology (shenzhen) Company Limited;
214	11966378	2024-04-23	2022-01-26	Cross-chain transaction method and apparatus	Yulong Luo; Zhenlong Zhao; Huifeng Li;	Huawei Technologies Co., Limited;
215	11966412	2024-04-23	2020-05-12	Blockchain data processing method and apparatus, device, and readable storage medium	Zhuguang Shao; Shuang Zhang; Guangwei Zhao;	Jingdong Technology Information Technology Co., Ltd.;
216	11966431	2024-04-23	2021-09-03	Search engine for a mesh network based on a blockchain	Austin Walters; Jeremy Goodsitt;	Capital One Services, LLC;
217	11966501	2024-04-23	2021-07-09	Blockchain-based decentralized computing	Paritosh P Ramanan; Nagi Z Gebraeel;	Georgia Tech Research Corporation;
218	11966818	2024-04-23	2019-02-21	System and method for self-healing in decentralized model building for machine learning using blockchain	Sathyanarayanan Manamohan; Krishnaprasad Lingadahalli Shastry; Vishesh Garg;	Hewlett Packard Enterprise Development LP;
219	11966889	2024-04-23	2023-02-21	Method and system for dispute resolution in a public blockchain	Peter Groarke;	Mastercard International Incorporated;
220	11966914	2024-04-23	2022-08-26	Real-time processing distributed ledger system	Joseph Benjamin Castinado; Charles Russell Kendall; Martha Sain McClellan; Lee Ann Proud; Ayeesha Sachedina; Calvin William Tackett, Jr;	Bank of America Corporation;

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221	11966916	2024-04-23	2023-02-24	Resource transfer method and apparatus, storage medium, and computer device	Rui Guo; Maocai Li; Jun Liang; Jianjun Zhang; Zongyou Wang; Haitao Tu; Qi Zhao; Binhua Liu; Dawei Zhu; Qing Qin;	Tencent Technology (shenzhen) Company Limited;
222	11966974	2024-04-23	2021-12-01	System and method for preparing for a SEC financial statement audit by recording corporate governance information on an immutable blockchain	Joe Kurczodyna;	Blackstar Enterprises Group;
223	11966976	2024-04-23	2023-10-30	Cryptocurrency exchange traded product	Ophelia Snyder; Hany Rashwan;	Jura Pentium Ag;
224	11966994	2024-04-23	2020-07-02	Blockchain-based method and system for processing traffic violation event	Yong-Ping Zheng; Shih-Kuang Tsai;	Inventec Appliances (pudong) Corporation; Inventec Appliances (shanghai) Co., Ltd.; Inventec Appliances Corporation;
225	11967163	2024-04-23	2019-10-29	Method for ascertaining the authenticity of a document and device for carrying out such a method	Hugo Garcia-Cotte;	Cypheme;
226	11967186	2024-04-23	2021-08-16	Blockchain-based election system	Ryan Sealy; Daniel Stanton;	Voteapp, Inc.;
227	11968106	2024-04-23	2020-12-15	Method and apparatus for monitoring state of blockchain consensus node	Xiaoliang Wang; Linyu Chen;	Hangzhou Rivtower Technology Co., Ltd;
228	11968256	2024-04-23	2020-09-18	Blockchain architecture, system, method and device for automated cybersecurity and data privacy law compliance with a partitioned replication protocol	H Anthony DeRosa-Grund;	Atrium Separate IP Holdings Number 4, LLC;
229	11968265	2024-04-23	2023-06-07	Systems and methods for asynchronous API-driven external application services for a blockchain	William K Devine; Emma J Scopino; Robert W Jenkins; Vinod Srinivasan;	The Travelers Indemnity Company;
230	11968291	2024-04-23	2023-04-20	Access to data broadcast in encrypted form based on blockchain	Davide Fazzone; Luigi Lombardi; Vinicio Bombacino; Andrea Tortosa;	International Business Machines Corporation;
231	11968294	2024-04-23	2021-01-13	Data management method and apparatus for blockchain system, medium, and electronic device	Maocai Li; Zongyou Wang; Li Kong; Kaiban Zhou; Hu Lan; Yifang Shi; Changqing Yang; Jinsong Zhang; Yong Ding; Gengliang Zhu; Qucheng Liu; Qiuping Chen;	Tencent Technology (shenzhen) Company Limited;
232	11968301	2024-04-23	2020-09-10	Decentralized asset identifiers for cross-blockchain networks	Timothy Olson; Petr Novotny; Nitin Gaur;	International Business Machines Corporation;
233	11968304	2024-04-23	2020-05-13	Knowledge proof	Craig Wright; Daniel Joseph;	Nchain Licensing Ag;
234	11968305	2024-04-23	2020-12-21	Four-factor authentication	Eric Diehl;	Sony Group Corporation; Sony Pictures Entertainment, Inc.;
235	11968532	2024-04-23	2020-10-19	Method and apparatus for connecting to wireless access point	Yong Su;	Shanghai Lianshang Network Technology Co., Ltd.;
236	11968607	2024-04-23	2023-02-14	Using a blockchain to determine trustworthiness of messages between vehicles over a telecommunications network	Ahmad Arash Obaidi;	T-mobile Usa, Inc.;
237	11968307	2024-04-23	2021-09-27	Private ledger partitions in blockchain networks	Yacov Manevich; Jason Karl Yellick; Angelo De Caro;	International Bisuness Machines Corporation;
238	11960477	2024-04-16	2022-06-23	Distributed and blockchain-based ledgers for data cloud services	Saurabh Pandey; Joseph Rice; Siddharth Gupta;	Oracle International Corporation;
239	11960502	2024-04-16	2021-12-17	Byzantine fault tolerance protocol for backing up blockchains	Ittai Abraham; Guy Gueta; Igor Golikov; Toly Kournik; Tsvetomir Dimitrov;	Vmware, Inc.;
240	11960613	2024-04-16	2019-12-13	System, device and method for securely transferring information from a hardware to a blockchain	Giacomo Baldi; Gualtiero Fantoni; Daniele Mazzei; Gabriele Montelisciani;	Zerynth S.p.a.;

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241	11961039	2024-04-16	2018-11-07	Linked blockchain structures for accelerated multi-chain verification	Jing Bo Jiang; Li Ni Zhang; Li Jiang; Yu Zhao; Lan Luo; Li Long Chen; Wen Rui Zhao;	International Business Machines Corporation;
242	11961057	2024-04-16	2021-11-24	Method for paying cost of IoT device based on blockchain and merkle tree structure related thereto, and server, service providing terminal, and digital wallet using the same	Joon Sun Uhr; Jay Wu Hong;	Cplabs, Inc.;
243	11961070	2024-04-16	2022-10-31	Resource-based distributed public ledger system	Pankaj Sarin;	Paypal, Inc.;
244	11961142	2024-04-16	2019-08-26	Systems and methods for pooling and transferring digital assets	Robert Leshner; Geoffrey Hayes; Jared Flatow; Torrey Atcitty; Coburn Berry;	Compound Labs, Inc.;
245	11961336	2024-04-16	2022-06-07	Distributed ledger-based voting system, apparatus and method	Dennis Lyon;	
246	11962594	2024-04-16	2021-11-24	Blockchain for access control	Joseph W Baumgarte; Robert Martens; Sean Neal;	Schlage Lock Company LLC;
247	11962680	2024-04-16	2023-02-22	Blockchain ledger growth management	Ashish Sardesai; Dante J Pacella; Lachlan Maxwell; Venkata Josyula; Mani Tadayon;	Verizon Patent and Licensing Inc.;
248	11962681	2024-04-16	2023-04-04	Symmetric encryption for private smart contracts among multiple parties in a private peer-to-peer network	Vijay Mehta; Alexander Phan;	Experian Information Solutions, Inc.;
249	11962682	2024-04-16	2023-04-14	Secure transmission of electronic health records via blockchain	Noel J Guillama; Chester A Heath;	Quantum Group Inc.;
250	11962697	2024-04-16	2021-09-24	Systems and methods for tracking chain of custody of body worn cameras	Gopal Paripally; Jason M Ouellette; Peter Lawrence;	Johnson Controls Tyco IP Holdings Llp;
251	11962700	2024-04-16	2022-04-13	Multi-tier encryption non-fungible token system	Siu-Ying Patrick Hung;	Nufiat Technologies Limited;
252	11962710	2024-04-16	2022-07-22	Systems and methods for generation of energy-backed digital units stored in a decentralized ledger	Nicholas VandenBrekel;	Farad Technologies Group, LLC;
253	11960469	2024-04-16	2021-12-07	Heterogeneous integration with distributed ledger blockchain services	Allen L Brown, Jr; Patrick J D Santos;	Deixis, Pbc;
254	11960579	2024-04-16	2022-02-17	Smart glass and blockchain digital signature implementation	Nimish Ravindra Deshpande; Jyoti Kumar; Kumari Priya;	Bank of America Corporation;
255	11951400	2024-04-09	2018-03-14	Secure decentralized video game transaction platform	Stephen Yong;	Sony Interactive Entertainment Inc.;
256	11954120	2024-04-09	2022-08-26	Blockchain method and system, and computer readable storage medium	Hao Xu;	
257	11954214	2024-04-09	2023-02-01	Systems and methods for controlled access to policy data on blockchain	Melinda Teresa Magerkurth; Eric Bellas; Jaime Skaggs; Shawn M Call; Eric R Moore; Vicki King; Burton J Floyd; David Turrentine; Steven T Olson; Timothy Caleb Wells; Corin Rebekah Chapman; Edward W Breitweiser; Robert Gomez; Shelia Cummings Smith;	State Farm Mutual Automobile Insurance Company;
258	11954215	2024-04-09	2023-05-18	System and method for security suite concatenating validation elements for blockchain binding operations	Louis H Lebowitz; J Charles Davis, II; Will E McLaughlin;	Real Title Block, LLC;
259	11954222	2024-04-09	2023-05-16	Systems and methods for accessing digital assets in a blockchain using global consent contracts	Frank J Ricotta, Jr; Brian Jackson; Tyson Henry; Amber Mortensen Hartley;	Burstiq, Inc.;
260	11954592	2024-04-09	2020-09-04	Collaborative deep learning methods and collaborative deep learning apparatuses	Ke Xu; Zhichao Zhang; Bo Wu; Qi Li; Songsong Xu;	Tsinghua University;

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261	11954672	2024-04-09	2021-07-26	Systems and methods for cryptocurrency pool management	Paul Hamera;	Coinbase, Inc.;
262	11954673	2024-04-09	2022-09-28	Method and system for user-based distributed ledgers	Ayushi Jain; Ankur Sarwate; Sidharth Goel; Chandan Garg;	Mastercard International Incorporated;
263	11954675	2024-04-09	2022-04-27	Systems and methods for implementing blockchain-based content engagement platforms utilizing media wallets	Madhu Vijayan;	Artema Labs, Inc;
264	11954678	2024-04-09	2019-12-06	Method and system for communication between blockchains on heterogeneous blockchain networks	Sarala Buradagunta; Rakesh Yadav; Dmytro Kryvoshei; Steven C Davis; Sébastien Le Callonnec;	Mastercard International Incorporated;
265	11954681	2024-04-09	2020-06-16	Blockchain-enhanced open internet of things access architecture	Xintong Ling; Yuwei Le; Bowen Zhang; Jiaheng Wang; Xiqi Gao;	Southeast University;
266	11954694	2024-04-09	2022-02-04	Platform and method for calculating payment, contribution, investment and dividend return of carbon emission charges based on blockchain	Rae Kwon Chung; Ji Eun Lee;	
267	11954695	2024-04-09	2022-04-12	Farmed fish tracking and verification system	Terje Ernst Mikalsen;	Venturos Inc.;
268	11956346	2024-04-09	2018-08-31	Blockchain system, information sharing method and related equipment	Kaining Wang;	Simplecredit Micro-lending Co., Ltd.;
269	11956357	2024-04-09	2023-07-07	Traceable key block-chain ledger	Michael J T Chan; Sean R Embry; Derek A Chamorro; Anuj Kaul; Sahil Chadha; Nikhil Firke;	Ebay, Incorporated;
270	11956360	2024-04-09	2021-06-15	Provable trade secrets on blockchain networks	Petr Novotny; Shikhar Kwatra; Nitin Gaur; Matthias Seul;	International Business Machines Corporation;
271	11956362	2024-04-09	2022-01-27	Centralized and decentralized individualized medicine platform	Khurram Mahmood; Eric Matthew Bell; Stuart Maxwell Altman; Jeremy Alan Dunn; Sambasiva R Pedapalli; Christopher Prado Dunn; Nerses Ohanyan; Anand Kothari; Ryan Jeffrey Southwick; Richard Brewster Wickersham, III;	Janssen Biotech, Inc.;
272	11956363	2024-04-09	2022-11-04	Systems and methods for hierarchical organization of data within a non-fungible tokens or chain-based decentralized systems	Nicholas M Venezia;	
273	11956368	2024-04-09	2021-12-17	Enhanced method for a useful blockchain consensus	Sergey Blagodurov; Andrew G Kegel;	Advanced Micro Devices Corporation;
274	11956374	2024-04-09	2023-04-14	Cryptographic signature delegation	Jesús Alejandro Cárdenes Cabré; Arteum Kanda; Jeremy Taylor; John Christopher Muddle; Kai Chung Cheung;	Via Science, Inc.;
275	11956377	2024-04-09	2023-04-03	Systems and methods for conducting cryptographically secure actions in public, non-permissioned blockchains using bifurcated self-executing programs	Shishir Singh; Jonathan Miles Collin Rosenoer; Andres Wolberg-Stok; Biser Dimitrov;	Citibank, N.a.;
276	11956383	2024-04-09	2023-05-15	Systems and methods for blockchain wireless services in a controlled environment	Michael Francis Byrne; Brian Francis Byrne;	
277	11953984	2024-04-09	2022-08-11	Systems and methods for blockchain repair assurance tokens	Phillip H Griffin; Jeffrey J Stapleton;	Wells Fargo Bank, N.a.;
278	11954114	2024-04-09	2022-06-30	Systems and methods for improved blockchain data indexing by decoupling compute and storage layers	Jie Zhang; Zhicong Liang; Yaohua Yang; David Lai; Chaoqing Lu; Jinghan Xu; Xu Meng;	Coinbase, Inc.;
279	11954697	2024-04-09	2017-02-27	Blockchain consumer ledger	Frank Joseph Lamont Gauld;	Ncr Corporation;
280	11947522	2024-04-02	2021-10-27	Method and system for pruning blocks from blockchains for data retention and storage scalability purposes	Stephen Higgins;	Mastercard International Incorporated;

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281	11947564	2024-04-02	2022-03-07	Blockchain-based data processing method and device	Hao Wu;	Advanced New Technologies Co., Ltd.;
282	11948011	2024-04-02	2023-01-25	Platform for temporary and intermittent transfers	Lior Weinstein;	Poplar Technologies, Inc.;
283	11948012	2024-04-02	2023-01-25	Monitoring process for intermittent and temporary transfers	Lior Weinstein;	Poplar Technologies, Inc.;
284	11948144	2024-04-02	2022-02-07	Knowledge-based authentication for asset wallets	Samuel Rapowitz; Xiaoguang Zhu; Kevin Osborn;	Capital One Services, LLC;
285	11948155	2024-04-02	2019-04-16	Method and device for performing credit evaluation on work publisher on basis of blockchain	Xinying Yang;	Advanced New Technologies Co., Ltd.;
286	11948193	2024-04-02	2022-08-12	System and method for securities finance smart contracts on blockchains and distributed ledgers	Edmon Blount;	
287	11948194	2024-04-02	2023-08-30	Blockchain instrument for transferable equity	Thomas Marshall Gordon, III; Joseph W Forbes, Jr; Gregory Frederick Bush;	Equity Shift, Inc.;
288	11948196	2024-04-02	2022-07-29	Asset management techniques	Eleanor Mitch; Dharmesh Patel; Christopher V Beckman;	Safeflights Inc.;
289	11948452	2024-04-02	2019-07-19	System and method of processing traffic information using blockchain technology	Jae Hwa Gin;	Hyundai Motor Company; Kia Motors Corporation;
290	11949670	2024-04-02	2020-08-06	Method and system for trustworthiness using digital certificates	Ankur Arora; Manish Kumar; Shuvam Sengupta;	Mastercard International Incorporated;
291	11949691	2024-04-02	2019-05-24	Malicious peer identification	Yacov Manevich; Artem Barger; Marko Vukolić; Alessandro Sorniotti; Angelo De Caro; Elli Androulaki;	International Business Machines Corporation;
292	11949771	2024-04-02	2021-05-04	Secure blockchain integrated circuit	Alexander Yuan Shi;	
293	11949789	2024-04-02	2022-07-06	Blockchain-enabled computing	Holger Assenmacher;	Cryptowerk Corp.;
294	11949794	2024-04-02	2021-05-08	Data anonymization of blockchain-based processing pipeline	Marcus Brandenburger; Elli Androulaki; Yacov Manevich;	International Business Machines Corporation;
295	11949797	2024-04-02	2021-09-14	Neural network model update method and device, and computer storage medium	Jilian Zhang; Kailun Yan; Yongdong Wu; Jian Weng;	Jinan University;
296	11947427	2024-04-02	2020-05-11	Method, electronic device, and computer program product for storage management using blockchain	Simon Yuting Zhang; Yizhou Zhou; Aaron Chao Lin;	Emc IP Holding Company LLC;
297	11948132	2024-04-02	2020-08-05	Cryptographically secure booster packs in a blockchain	Patrick Meehan;	Fall Guy LLC;
298	11940978	2024-03-26	2018-09-19	Distributed platform for computation and trusted validation	Ravi Kiran Raman; Kush R Varshney; Roman Vaculin; Michael Hind; Sekou L Remy; Eleftheria K Pissadaki; Nelson K Bore;	International Business Machines Corporation;
299	11941053	2024-03-26	2023-03-09	Secure data interactions performed by an internet of things (IoT) device	Subburathinam Krishnan; Prabhakaran Balasubramanian; Durga Prasad P Khuttumolu; Yugandhar Jaini;	Bank of America Corporation;
300	11941090	2024-03-26	2023-02-28	Encoding alteration metadata within media data	Jason Lealand Crawforth; Michael Robert Blood;	Swear Inc.;

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301	11941381	2024-03-26	2023-01-26	Method for compiling from a high-level scripting language to a blockchain native scripting language	Craig Steven Wright; Stephane Savanah;	Nchain Licensing Ag;
302	11941583	2024-03-26	2022-04-18	Intelligent employment-based blockchain	Michal Knas; Jiby John; Krzysztof Gibadlo; Rick Ferry;	Massachusetts Mutual Life Insurance Company;
303	11941588	2024-03-26	2017-03-31	Systems and methods for blockchain virtualization and scalability	Steven John Goeringer; Brian Alexander Scriber; Robert Michael Lund;	Cable Television Laboratories, Inc.;
304	11941590	2024-03-26	2019-06-21	Token issuance method, information processor, and blockchain system	Hironobu Ueno; Naohito Tamaya;	Double Jump.tokyo Inc.;
305	11941593	2024-03-26	2022-10-11	Blockchain payment notification system	Rajendra Mokshagundam; Smitha Menon; Rajeesh Koythatta Mee;	Capital One Services, LLC;
306	11941610	2024-03-26	2019-07-12	Cryptocurrency securing system and method	Chi-Huang Fan; Chien-Yang Hsu; Ming-Chang Shih;	Circle Internet Financial Limited;
307	11941613	2024-03-26	2022-06-30	Application framework using blockchain-based asset ownership	Richard Demarinis; Hedi Uustalu; Thomas Fay; Dominick Paniscotti; Triin Parvits; Rachana Rajkumar; Junning Tong;	Nasdaq, Inc.;
308	11941619	2024-03-26	2019-12-12	Validation and storage of transaction data for a blockchain	Suryatej Gundavelli;	Paypal, Inc.;
309	11941624	2024-03-26	2018-08-24	Concurrent state machine processing using a blockchain	Dean Kramer;	Nchain Licensing Ag;
310	11941627	2024-03-26	2022-03-24	Transaction authorization process using blockchain	Balaji Balaraman; Andras L Ferenczi; Sathish B Muthukrishnan; Harish R Naik;	American Express Travel Related Services Company, Inc.;
311	11941673	2024-03-26	2022-09-02	Optimization of trusted invoicing	Yedendra Shrinivasan; Krishnasuri Narayanam; Seep Goel; Abhishek Singh; Vishnu Choudhary;	International Business Machines Corporation;
312	11941715	2024-03-26	2022-09-06	Methods and apparatus for rewarding user on-line course performance via blockchain mining	Ann Marie Sastry;	Amesite Inc.;
313	11942195	2024-03-26	2018-01-30	System for providing a data market for health data and for providing rewards to data market participants	Kyle Culver; Rohit Wason; Nicholas Hill; Zachary A Stout; Matthew A Plappert; Chulmin Lee; Benjamin Singer; Norman Leach; Emily Braun;	Humana Inc.;
314	11943237	2024-03-26	2019-05-24	Malicious peer identification for database block sequence	Yacov Manevich; Artem Barger; Marko Vukolić; Alessandro Sorniotti; Angelo De Caro; Elli Androulaki;	International Business Machines Corporation;
315	11943317	2024-03-26	2021-07-02	Multi-server node service processing and consensus method and device based on heartbeat detection messages	Yi Li;	Advanced New Technologies Co., Ltd.;
316	11943331	2024-03-26	2019-01-10	Computer-implemented decision making system and method	Silvia Bartolucci; Pauline Bernat; Daniel Joseph;	Nchain Licensing Ag;
317	11943333	2024-03-26	2022-04-06	Method and system for optimizing transaction flow for blockchain mining and confirmation	Chandan Garg; Jaipal Singh Kumawat;	Mastercard International Incorporated;
318	11943334	2024-03-26	2022-09-12	Separating hashing from proof-of-work in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
319	11943335	2024-03-26	2023-01-23	Systems and methods for linkage data elements	Shing Yu Yeung; Clive Richard Wright;	Megachain Inc.;
320	11943350	2024-03-26	2020-10-16	Systems and methods for re-using cold storage keys	Yolanda Liu; Ryan Sears; Alan Leung; Zachary Blacher; Jeremy Suurkivi;	Coinbase, Inc.;

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321	11943360	2024-03-26	2021-06-22	Generative cryptogram for blockchain data management	Nitin Gaur; Petr Novotny; Qi Zhang; Lei Yu;	International Business Machines Corporation;
322	11943362	2024-03-26	2021-04-23	System and method for providing personal information using one time private key based on blockchain of proof of use	Sung-Un Song; Jin-Wook Jung;	
323	11943373	2024-03-26	2021-06-02	Method for issuing identity certificate to blockchain node and related apparatus	Mao Cai Li; Zong You Wang; Kai Ban Zhou; Chang Qing Yang; Hu Lan; Li Kong; Jin Song Zhang; Yi Fang Shi; Geng Liang Zhu; Qu Cheng Liu; Qiu Ping Chen;	Tencent Technology (shenzhen) Company Limited;
324	11943374	2024-03-26	2022-07-05	System, method, and computer program product for detecting malicious changelog modifications with blockchain	Rohit Sehgal;	Visa International Service Association;
325	11943375	2024-03-26	2018-07-09	Method and apparatus for managing cloud services using smart contracts and blockchains in a federation of cloud providers	James Kempf; Mukesh Thakur; Tomas Mecklin; Nanjangud Chandrasekhara Swamy Narendra;	Telefonaktiebolaget Lm Ericsson (publ);
326	11940971	2024-03-26	2021-11-13	Blockchain implementing reliability database	Kohichi Kamijoh;	International Business Machines Corporation;
327	11940984	2024-03-26	2021-12-13	Audit records monitoring using a blockchain structure	Ezer Farhi; Peleg Atar; Nataly Beigel; Gal Silverstein; Michael Mualem; Danielle Filin Horovitz; Alona Raz;	Docusign, Inc.;
328	11941021	2024-03-26	2020-10-23	Automatic creation of blockchain network infrastructures	Michael W Klein; Manuel Merino; Pramodsing Bijani; Mahesh Krishna Bandkar; Mufaddal Moazam Kantawala; Anand Parulkar; Sownak Roy; Ankur A Banerjee; Peter Bidewell;	Accenture Global Solutions Limited;
329	11941622	2024-03-26	2020-05-29	Method and system for employing blockchain for fraud prevention in bulk purchases	Ankur Arora; Rakesh Patel; Anisha Garg;	Mastercard International Incorporated;
330	11934365	2024-03-19	2021-12-27	Autonomous supply chain data hub and platform	Rubesh Mehta;	Blue Yonder Group, Inc.;
331	11934385	2024-03-19	2020-04-02	Method and a node for storage of data in a network	Joni Rapanen; Tomi Sarajisto; Ilkka Keisala; Tero Jalkanen;	Telia Company Ab;
332	11934386	2024-03-19	2020-08-21	Migration of a data blockchain	Hubert Marteau;	Worldline;
333	11934387	2024-03-19	2023-03-07	Methods for extending a proof-of-space-time blockchain	Bram Cohen; Krzysztof Pietrzak; Mariano Sorgente;	Chia Network Inc.;
334	11934494	2024-03-19	2022-06-17	Method and system for verifying integrity of a digital asset using a distributed hash table and a peer to-peer distributed ledger	Craig Steven Wright; Stephane Savanah;	Nchain Licensing Ag;
335	11934496	2024-03-19	2022-02-22	Method and system for authentic non-fungible token (NFT) printing	Christopher Douglas Atwood; Frank B Tamarez Gomez; Jacob McCarthy; Joseph M Ferrara, Jr; Joseph Fredrick Casey;	Xerox Corporation;
336	11934497	2024-03-19	2023-02-24	Content anti-piracy management system and method	Mohammed Artin Smaiely; Alex Seth Fonoroff;	Dish Network L.l.c.;
337	11934541	2024-03-19	2022-02-18	Securely sharing selected fields in a blockchain with runtime access determination	Dinesh Kumar; David Joseph Haimes; Todd Jeffery Little;	Oracle International Corporation;
338	11934549	2024-03-19	2021-08-31	Invoice access method and apparatus based on blockchain, and electronic device	Hansong Xiao; Ping Zhang; Wenhu Kan; Qin Liu; Liangrong Lin; Fuxi Deng; Yixiang Zhang; Rui Chen; Jinming Duan;	Advanced New Technologies Co., Ltd.;
339	11934888	2024-03-19	2021-06-27	Systems and method for managing memory resources used by smart contracts of a blockchain	Tal Muskal; Beni Hakak; Eyal Hertzog; Guy Ben Artzi;	Liquidapps Ltd;
340	11935015	2024-03-19	2023-01-04	Data processing method and apparatus, computer device, and storage medium	Changhui Liu;	Tencent Technology (shenzhen) Company Limited;

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341	11935042	2024-03-19	2021-10-18	Delegated off-chain payments using cryptocurrencies	Alessandro Sforzin; Maja Schwarz; Sebastien Andreina; Ghassan Karame;	Nec Corporation;
342	11935048	2024-03-19	2022-06-30	Managing blockchain-based trustable transaction services	Qisheng Ma; Feifei Jin; Xuan Tao;	Alipay (hangzhou) Information Technology Co., Ltd.;
343	11935050	2024-03-19	2022-10-11	Leveraging blockchain based machine learning modeling for expense categorization	Lin Ni Lisa Cheng; John Fields;	Capital One Services, LLC;
344	11935128	2024-03-19	2022-05-03	Blockchain systems and methods for managing usage-based contracts	Matthew L Floyd;	State Farm Mutual Automobile Insurance Company;
345	11935146	2024-03-19	2021-12-17	Systems and methods to provide sharing of benefits amongst a group of users based on gains from distribution rights pertaining to digital assets	John Linden; Rudy Koch;	Mythical, Inc.;
346	11935341	2024-03-19	2020-07-06	Data storage device and non-transitory tangible computer readable storage medium	Akira Mitani; Xin Xu;	Denso Corporation;
347	11936769	2024-03-19	2021-02-17	Service data storage method and apparatus, storage medium, and electronic device	Rui Guo; Maocai Li; Jun Liang; Jianjun Zhang; Zongyou Wang; Qi Zhao; Haitao Tu; Binhua Liu; Dawei Zhu; Qing Qin;	Tencent Technology (shenzhen) Company Limited;
348	11936774	2024-03-19	2022-05-27	Determining a common secret for the secure exchange of information and hierarchical, deterministic cryptographic keys	Craig Steven Wright; Stephane Savanah;	Nchain Licensing Ag;
349	11936792	2024-03-19	2021-11-26	Method and system for providing privacy-preserving data analysis	Minhyun Kim; Dongil Seo; Sooyong Bang; Seonghwa Yun; Youngseo Yoo; Sanghee Choi; Minsu Lee; Yong Dae An; Seung Woo Jung; Jung Ho Moon;	Common Computer Inc.; Desilo Inc;
350	11936794	2024-03-19	2021-09-16	Method and system for parallel processing of smart contracts in permissioned blockchains	Dmytro Kryvoshei;	Mastercard International Incorporated;
351	11936799	2024-03-19	2020-09-25	Blockchain-based time stamping method for digital signature	Chunxiang Xu; Chuang Li; Yuan Zhang;	University of Electronic Science and Technology of China;
352	11928049	2024-03-12	2021-05-10	Blockchain system for source code testing and script generation with artificial intelligence	Obi Reddy Yanamala; Kumaresan Karuppiah; Vinay Jaisinghani; Ravi Ranjan Shandilya; Samson Paulraj;	Bank of America Corporation;
353	11928091	2024-03-12	2021-01-22	Storing digital data in storage devices using smart contract and blockchain technology	Rahul Vishwakarma; Bing Liu; Parmeshwr Prasad; Parminder Singh Sethi;	Emc IP Holding Company LLC;
354	11928104	2024-03-12	2021-09-10	Method and device for operating a decentralized application by users of a blockchain	Alexander Poddey; Fredrik Kamphuis;	Robert Bosch G.m.b.h.;
355	11928205	2024-03-12	2022-05-02	Systems and methods for implementing cybersecurity using blockchain validation	Henry Tumblin; Gary Southwell;	Csp Inc.;
356	11928673	2024-03-12	2023-02-15	Multi-signature verification network	Jerry Perullo;	Intercontinental Exchange Holdings, Inc.;
357	11928674	2024-03-12	2023-01-12	Deploying physical diamond tokens on a blockchain	Cormac L Kinney;	Diamond Standard Inc.;
358	11928675	2024-03-12	2022-09-23	System and method using zero knowledge proofs for alert sharing	Simon Robins;	Nice Ltd;
359	11928687	2024-03-12	2021-11-11	Systems and methods for expediting math-based currency transactions	Ashish Kurani; Wayne Barakat; Martin Barrs; Dominik Vltavsky;	Wells Fargo Bank, N.a.;
360	11928702	2024-03-12	2022-12-02	Blockchain based shopper information processing system and related methods	Ken Krause;	Inmar Clearing, Inc.;

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361	11928747	2024-03-12	2022-02-04	System and method of an automated agent to automatically implement loan activities based on loan status	Charles Howard Cella;	Strong Force Tx Portfolio 2018, LLC;
362	11930072	2024-03-12	2022-10-17	Load balancing in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
363	11930100	2024-03-12	2021-06-16	Fund conversion between blockchains	Saswata Basu; Thomas Howard Austin;	0chain Corp.;
364	11930110	2024-03-12	2020-01-29	System and method for key recovery and verification in blockchain based networks	Tal Arieh Be'ery; Ouriel Ohayon; Omer Shlomovits; Gary Benattar;	Zengo Inc.;
365	11930113	2024-03-12	2019-02-28	Blockchain hybrid consensus-based system for maintaining domain name information	Yu Zeng; Hongtao Li; Anlei Hu; Zhiwei Yan; Kejun Dong; Douxuan Nan;	China Internet Network Information Center;
366	11930121	2024-03-12	2021-09-28	Blockchain index tracking	Praveen Yalagandula; Vinit Srivastava; Keith Loggie;	Merqube, Inc.;
367	11921682	2024-03-05	2022-09-13	Extracting data from a blockchain network	Martin Anton Oberhofer; Florian Mentzel; Hien Pham The; Thishanth Thevarajah;	International Business Machines Corporation;
368	11921705	2024-03-05	2021-12-31	Information storage and retrieval using an off-chain isomorphic database and a distributed ledger	Paul Richard Brody; Duncan James Westland; Chaitanya Reddy Konda;	Ernst & Young U.S. Llp; Eygs Llp;
369	11921706	2024-03-05	2022-02-03	Methods and systems for controlling access to, and integrity of, resources on a blockchain	Silvia Bartolucci; Pauline Bernat; Daniel Joseph;	Nchain Licensing Ag;
370	11921838	2024-03-05	2022-09-30	Method and system of secure configuration of at least one electronic device	Holger Assenmacher; Thomas Dienwiebel;	Cryptowerk Corp.;
371	11921868	2024-03-05	2021-10-04	Data access control for user devices using a blockchain	Raja Arumugam Maharaja;	Bank of America Corporation;
372	11922149	2024-03-05	2022-04-18	Method for controlling the flow execution of a generated script of a blockchain transaction	Craig Steven Wright; Stephane Savanah;	Nchain Licensing Ag;
373	11922352	2024-03-05	2021-03-16	System and method for risk tracking	Yevgeniy Viatcheslavovich Khmelev; Susan Elizabeth Wright; David M Jones, Jr; Michael Anthony Miller;	United Services Automobile Association (usaa);
374	11922402	2024-03-05	2022-08-11	System and method for authorizing blockchain network transactions	Josh Williams; Raymond A Chiapuzio; Michael B Li;	Frontage Road Holdings, LLC;
375	11922403	2024-03-05	2021-03-31	Using an internal ledger with blockchain transactions	Charles Gabriel Neale Dalton;	Paypal, Inc.;
376	11922414	2024-03-05	2021-12-30	System and method for optimizing data writing to a blockchain	Pankaj Sarin;	Paypal, Inc.;
377	11922430	2024-03-05	2019-10-29	Systems and methods using blockchain for monitoring and tracking customer service representative actions	Ian Beaver;	Verint Americas Inc.;
378	11922453	2024-03-05	2021-10-08	Generating a tokenized reputation score	Tatjana Vlahovic; Someshekhar Banerjee;	Ebay, Incorporated;
379	11922526	2024-03-05	2022-08-26	Net settlement of subrogation claims using a distributed ledger	Ryan Maurer; Nolan White; Kyle D Weber; Edward Austin; William Guthrie; Dustin Helland; Bharat Prasad; Sharon Kay Haverlah; Karen Marie Shackelford-George;	State Farm Mutual Automobile Insurance Company;
380	11922532	2024-03-05	2021-01-15	System for mitigating the problem of deepfake media content using watermarking	Adnan M Alattar; Ravi K Sharma; John A Scriven;	Digimarc Corporation;

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381	11922730	2024-03-05	2021-09-04	Methods for signature verification and authentication	Simon Levin; Robert Davidoff;	
382	11922741	2024-03-05	2019-06-07	Secure installation of approved parts using blockchain	Andreas Martin Viktor Ropel; Kjell Henrik Eklund;	Volvo Car Corporation;
383	11922743	2024-03-05	2021-12-02	Logistics information processing method based on electronic lock, blockchain and waybill, and apparatus and device thereof	Wenfeng Yang; Wenming Zhe; Binbin Xiu;	Beijing Jingdong Zhenshi Information Technology Co., Ltd.;
384	11922745	2024-03-05	2022-05-20	Systems and methods for providing a secure physical storage system	Galen Rafferty; Jeremy Edward Goodsitt; Austin Walters; Christopher Wallace; Brian Barr; Grant Eden; Samuel Sharpe;	Capital One Services, LLC;
385	11923052	2024-03-05	2020-06-19	Electronic healthcare record data blockchain system and process	Ronald Raymond Austr+e,acu i+ee ng; Kenneth A Hill, Sr; Brad T Crosslin; Clinton S Ferguson, III;	Technologies Ip, LLC;
386	11924159	2024-03-05	2022-01-31	System and method for unified multi-channel messaging with block-based datastore	Rahul Nair; Sandhiya Banu Mailai Udayakumar;	Paypal, Inc.;
387	11924161	2024-03-05	2021-05-20	Authorization and refusal of modification, and partial modification ability, of a network identifier	Andrew Kaizer; Swapneel Sheth;	Verisign, Inc.;
388	11924268	2024-03-05	2022-12-14	Systems and methods for locating microserver nodes in proximity to edge devices using georouting	James A Thomason;	Edjx, Inc.;
389	11924275	2024-03-05	2021-02-11	Tiered access-oriented blockchain architecture	Gentill Dawoud Abdulla; Michael Isaiah Jordan;	
390	11924276	2024-03-05	2022-05-23	Methods and apparatuses for transmitting messages	Jiang Wang; Chao Zeng; He Sun;	Alipay (hangzhou) Information Technology Co., Ltd.;
391	11924322	2024-03-05	2017-05-16	Blockchain for securing and/or managing IoT network-type infrastructure	Paul Harry Gleichauf;	Arm Limited;
392	11924323	2024-03-05	2018-07-02	On-chain governance of blockchain	Meeta Vouk; Gari Singh; Jason K Yellick; Gennaro A Cuomo;	International Business Machines Corporation;
393	11924324	2024-03-05	2020-11-03	Registry blockchain architecture	William Leddy;	Visa International Service Association;
394	11924325	2024-03-05	2022-04-17	Blockchain-implemented method and system	Stephane Vincent; Craig Steven Wright;	Nchain Licensing Ag;
395	11924326	2024-03-05	2021-07-02	Blockchain platform service	Cedric Harris; Ronald Watty;	First Genesis, Inc.;
396	11924348	2024-03-05	2021-02-27	Honest behavior enforcement via blockchain	Yacov Manevich; Nitin Gaur; Petr Novotny; Sarbajit K Rakshit;	International Business Machines Corporation;
397	11924351	2024-03-05	2023-02-09	Optimizing data transactions and verification on a blockchain network	Tak Wing Lam; Tak Fuk Wong;	Hong Kong Applied Science and Technology Research Institute Company, Limited;
398	11924355	2024-03-05	2021-10-08	Methods for grinding-resistant consensus in a proof-of-space-based blockchain	Bram Cohen; Krzysztof Pietrzak; Mariano Sorgente;	Chia Network Inc.;
399	11924358	2024-03-05	2021-02-09	Method for issuing digital certificate, digital certificate issuing center, and medium	Jun Zang; Jianjun Zhang; Luohai Zheng; Junjie Shi; Hujia Chen; Zichao Tang; Yige Cai; Qing Qin; Chuanbing Dai; Hu Lan; Jinlong Chen;	Tencent Technology (shenzhen) Company Limited;
400	11924360	2024-03-05	2018-10-08	Blockchain timestamp agreement	Sachiko Yoshihama; Tatsushi Inagaki; Yohei Ueda; Kohichi Kamijoh; Hiroaki Nakamura;	Green Market Square Limited;

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401	11924490	2024-03-05	2022-01-04	Systems and methods for adapting content items to secured endpoint media device data	Jorg Nonnenmacher; Robert Drew Major;	Dish Network L.l.c.;
402	11924524	2024-03-05	2018-12-20	Metadata distribution and management via transactional blockchain technology	Robert Barr Thompson;	Rovi Guides, Inc.;
403	11924185	2024-03-05	2022-06-16	Method and system for general data protection compliance via blockchain	Alonzo Benavides; Ian Major; Prem Chander Rajamohan; Thomas Hansen; Duygu Gün;	Mastercard International Incorporated;
404	11914449	2024-02-27	2022-05-09	Methods and apparatus for characterizing memory devices	Jonathan D Harms;	Micron Technology Incorporated;
405	11914488	2024-02-27	2019-11-06	Blockchain enabled fault tolerance	Jerry Wald;	Visa International Service Association;
406	11914560	2024-02-27	2022-06-30	Systems and methods for creating a reorganization-immune blockchain index using mono-increasing sequence records	Jie Zhang; Zhicong Liang; Yaohua Yang; David Lai; Chaoqing Lu; Jinghan Xu; Xu Meng;	Coinbase, Inc.;
407	11914616	2024-02-27	2022-12-16	Systems and methods for creating a consistent blockchain including block commitment determinations	David Philipson; Noam Hurwitz; Omar Ceja; Deepak Bansal;	Alchemy Insights, Inc.;
408	11914684	2024-02-27	2021-11-16	Secure messaging service with digital rights management using blockchain technology	Robert Bernardi;	Datchat, Inc.;
409	11914697	2024-02-27	2021-07-14	System and method for a trusted digital identity platform	Gopal Padinjaruveetil;	The Auto Club Group;
410	11914721	2024-02-27	2020-06-09	Method and contract rewriting framework system for supporting smart contracts in a blockchain network	Michael Rodler; Lucas Davi; Ghassan Karame; Wenting Li;	Nec Corporation;
411	11914728	2024-02-27	2022-10-26	Systems and methods for controlled access to blockchain data	Melinda Teresa Magerkurth; Eric Bellas; Jaime Skaggs; Shawn M Call; Eric R Moore; Vicki King; Burton J Floyd; David Turrentine; Steven T Olson; Timothy Caleb Wells; Corin Rebekah Chapman; Edward W Breitweiser; Robert Gomez; Shelia Cummings Smith;	State Farm Mutual Automobile Insurance Company;
412	11915023	2024-02-27	2020-05-28	System and method for smart contract publishing	Aaron Blankstein; Jude Nelson;	Hiro Systems Pbc;
413	11915208	2024-02-27	2022-05-12	Check tampering prevention using blockchain	Adam Vukich; Colin Hart; Jason Ji; Kaitlin Newman;	Capital One Services, LLC;
414	11915213	2024-02-27	2021-09-21	Systems and methods for domestic and/or cross border blockchain transaction solutions involving central bank digital currency	Jun Yan;	Tradove, Inc.;
415	11915228	2024-02-27	2022-06-16	Method and system for prevention of lost currency in blockchain networks to missing wallets	Jaipal Singh Kumawat; Shubham Kumar; Apoorva Dixit; Aditya Koduri; Chandan Garg;	Mastercard International Incorporated;
416	11915234	2024-02-27	2022-03-16	System and method for securing a private key transaction within blockchain	Boris Hernan Polania Castro;	Honda Motor Co., Ltd.;
417	11915237	2024-02-27	2022-08-25	Methods and systems for smart contracts for security and filtering	Vijay Madisetti; Arshdeep Bahga;	
418	11915238	2024-02-27	2018-12-07	Blockchain-implemented systems and methods for concurrent bytecode interpretation	Ying Chan; Dean Kramer;	Nchain Licensing Ag;
419	11915308	2024-02-27	2019-05-10	Blockchain data exchange network and methods and systems for submitting data to and transacting data on such a network	Justin A Eichel; Kurtis N McBride; Jean-Pierre Bhavnani; Jan Bergstrom;	Miovision Technologies Incorporated;
420	11915314	2024-02-27	2020-11-18	Method and apparatus for a blockchain-agnostic safe multi-signature digital asset management	Vincenzo Di Nicola; Massimiliano Sala; Alessio Meneghetti; Riccardo Longo;	Conio Inc.;

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421	11915527	2024-02-27	2020-09-18	Electronic voting system and control method	Yuji Unagami; Junichiro Soeda; Akira Tanaka;	Panasonic Intellectual Property Corporation of America;
422	11916896	2024-02-27	2022-02-17	Systems and methods for blockchain validation of user identity and authority	Brian Mark Fields; Lee Marvin John Assam;	State Farm Mutual Automobile Insurance Company;
423	11916995	2024-02-27	2022-01-06	Systems and methods for locating microserver nodes in proximity to edge devices using georouting	James A Thomason; John Cowan;	Edjx, Inc.;
424	11917049	2024-02-27	2019-03-14	Method for registering of data as a digital file in a blockchain database	Pawel Zygmunt Aleksander; Pawel Kuskowski; Jakub Fijolek;	Lukka Poland Sp. Z O.o.;
425	11917050	2024-02-27	2021-05-03	Systems and methods for generating a blockchain-based user profile	Brian Mark Fields; Lee Marvin John Assam;	State Farm Mutual Automobile Insurance Company;
426	11917051	2024-02-27	2019-05-13	Systems and methods for storage, generation and verification of tokens used to control access to a resource	Craig Steven Wright;	Nchain Licensing Ag;
427	11917066	2024-02-27	2022-06-01	System for interacting objects as tokens on a blockchain using a class-based language	Brenton John Gunning;	Run Interactive, Inc.;
428	11917077	2024-02-27	2023-03-22	Method and system for quantum-resistant hashing scheme	Steven C Davis; Paul Taylor; Eduardo Andrade;	Mastercard International Incorporated;
429	11917081	2024-02-27	2019-10-07	Issuing device and method for issuing and requesting device and method for requesting a digital certificate	Hans Aschauer; Fabrizio De Santis; Steffen Fries;	Siemens Aktiengesellschaft;
430	11917088	2024-02-27	2020-09-21	Integrating device identity into a permissioning framework of a blockchain	Nitin Gaur; Jeronimo Irazabal; Abhishek Malvankar;	International Business Machines Corporation;
431	11917090	2024-02-27	2019-10-31	Methods and systems for tracking ownership of goods with a blockchain	Nicholas Juntilla;	
432	11914712	2024-02-27	2022-07-28	Blockchain based secure naming and update verification	Raouf Boutaba; Woojung Kim; Yuhao Dong;	
433	11904624	2024-02-20	2022-09-16	Structure for secure containment of information	Adam Trexler; Laurie Johansen; Paul Diffendaffer; Kelda Diffendaffer;	
434	11907029	2024-02-20	2020-03-31	Portable blockchain mining system and methods of use	Stephen Barbour;	Upstream Data Inc.;
435	11907199	2024-02-20	2020-09-03	Blockchain based distributed file systems	Rajkumar Kannan; Aruna Srinivasa Murthy;	Hewlett Packard Enterprise Development LP;
436	11907204	2024-02-20	2022-08-11	Ensuring data integrity of executed transactions	Sarthak Pattanaik; Vadim Pertsovskiy;	The Bank of New York Mellon Corporation;
437	11907248	2024-02-20	2022-04-27	System and method of immutable electronic health record data storage	Ronald Raymond Austring;	Technologies Ip, LLC;
438	11907406	2024-02-20	2017-07-31	Computer-implemented method and system of tamper-evident recording of a plurality of service data items	Holger Assenmacher;	Cryptowerk Corp.;
439	11907535	2024-02-20	2022-01-25	Storage device optimizations in proof of space blockchain systems	Ran Zamir; David Avraham; Alexander Bazarsky;	Western Digital Technologies, Inc.;
440	11907677	2024-02-20	2023-03-02	Immutable universal language assistive translation and interpretation system that verifies and validates translations and interpretations by smart contract and blockchain technology	Arash Borhany;	

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441	11907869	2024-02-20	2023-02-12	System and method for a transportation or freight capacity exchange for one or more transportation or freight capacity units	Erik M Simpson;	Circlesx LLC;
442	11907870	2024-02-20	2023-02-07	Market exchange for transportation capacity in transportation vehicles	Erik M Simpson; Stuart Simpson;	Circlesx LLC;
443	11907916	2024-02-20	2022-03-07	Digital securitization, obfuscation, policy and commerce of event tickets	Sanzib Khaund;	Live Nation Entertainment, Incorporated;
444	11907917	2024-02-20	2022-06-15	Method for issuing, redeeming, refunding, settling and revoking electronic voucher by using utxo-based protocol, and server employing same	Joo Han Song; Jay Wu Hong; Joon Sun Uhr;	Cplabs, Inc.;
445	11907935	2024-02-20	2021-09-01	Reducing blockchain transaction delay	Oleg Pogorelik; Guy Itzhaki; Rami Burstein;	Intel Corporation;
446	11907939	2024-02-20	2021-08-06	Methods for user authentication using non-fungible digital assets	James Cramer;	
447	11907942	2024-02-20	2021-04-30	Blockchain network risk management universal blockchain data model	Antoine J M Le Calvez; Lucas A Nuzzi; Samuel Wyner; Kevin Julian Bornatsch; Salvatore Joseph Ternullo;	Coin Metrics Inc.;
448	11907955	2024-02-20	2021-06-24	System and method for blockchain automatic tracing of money flow using artificial intelligence	Chunsheng Victor Fang; Wei Quan; Han Xu; Shuling He;	Anchain.ai Inc.;
449	11908019	2024-02-20	2022-02-28	Evidence oracles	William J Leise; Douglas A Graff; Anthony McCoy; Jaime Skaggs; Shawn M Call; Stacie A McCullough; Wendy H Clayton; Melinda Teresa Magerkurth; Kim E Flesher; Travis Charles Runge;	State Farm Mutual Automobile Insurance Company;
450	11908073	2024-02-20	2023-04-26	Methods and systems for dynamically rendering three-dimensional models in real-time to generate a non-fungible token and a physical model thereof without provisioning or managing servers	Adam Helfgott; Matthew Barlin;	
451	11909462	2024-02-20	2019-01-22	Self-powered semi-active electronic tag with autonomous processing capability and its communication procedure	Danny Moreno Levy;	Yocto Technologies, S.l.;
452	11909858	2024-02-20	2019-06-21	System and method for generating and performing a smart contract	Joel M Hron, Ii; Nicholas E Vandivere; Michael B Kuykendall;	Thomson Reuters Enterprise Centre Gmbh;
453	11909859	2024-02-20	2020-06-02	Removing access to blockchain data	Jan Schrage;	Sap Se;
454	11909860	2024-02-20	2021-08-30	Systems, methods, and program products for loaning digital assets and for depositing, holding and/or distributing collateral as a token in the form of digital assets on an underlying blockchain	Michael So; Ira Auerbach; Daniel William Halley James; Cameron Howard Winklevoss; Tyler Howard Winklevoss; Anas Saidi; Jamie Chapman;	Gemini Ip, LLC;
455	11909879	2024-02-20	2021-05-19	Systems and methods for generating customized non-fungible tokens	Yitian Xue; Dapeng Ma;	
456	11909881	2024-02-20	2021-12-03	Digital asset management	Bernardo Moreno; Shane M Bigelow; Bo J Shim; Scott W Barrett; Ian P Lewis; Daniel F Crough, Jr; Dante Giancola;	Champ Titles, Inc.;
457	11909886	2024-02-20	2021-01-08	Method, apparatus for blockchain-based multi-party computation, device and medium	Yang Meng; Haodong Chen; Yuxiao Song; Hui Wang; Xiangmin Li; Jingqi Cao;	Beijing Baidu Netcom Science and Technology Co., Ltd.;
458	11909887	2024-02-20	2022-07-07	Architecture for secure IoT interactions	Ajit Vilasrao Patil; Balkrishna Pangam; Yew Kuann Cheng;	Visa International Service Association;
459	11910305	2024-02-20	2021-06-28	System and method of securing allocation of network functions for session slices	Feza H Buyukdura;	At&t Intellectual Property I, L.p.;
460	11899628	2024-02-13	2022-10-20	Consolidation of user plane and control plane reports in a 5G communication network	Marouane Balmakhtar; Lyle W Paczkowski;	T-mobile Innovations LLC;

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461	11899776	2024-02-13	2021-08-04	Electronic device and method for authenticating software based on blockchain	Liang-Te Chiu;	Hon Hai Precision Industry Co., Ltd.;
462	11899783	2024-02-13	2022-01-07	System level function based access control for smart contract execution on a blockchain	Venkata Siva Vijayendra Bhamidipati; Michael Chan; Derek Chamorro; Arpit Jain; Ashok Srinivasa Murthy;	Ebay, Incorporated;
463	11899817	2024-02-13	2021-01-31	Systems, methods, and apparatuses for storing PII information via a metadata driven blockchain using distributed and decentralized storage for sensitive user information	Prithvi Krishnan Padmanabhan;	Salesforce, Inc.;
464	11899820	2024-02-13	2022-09-07	Secure identity and profiling system	Sumit Amar;	Visa International Service Association;
465	11900338	2024-02-13	2021-09-17	Systems and methods for domestic and/or cross border blockchain transaction solutions involving central bank digital currency	Jun Yan;	Tradove, Inc.;
466	11900339	2024-02-13	2017-11-30	Systems and methods for hyperledger-based payment transactions, alerts, and dispute settlement, using smart contracts	Ramesh Vijayaraghavan;	Worldpay Limited;
467	11900347	2024-02-13	2020-03-27	Computing system for configurable off-chain storage for blockchains	Scott York; Scott Caesar; Sam Babic;	Hyland Software Inc.;
468	11900363	2024-02-13	2022-02-23	Computer-implemented system and method for determining the state of a machine executable contract implemented using a blockchain	Pedro Jimenez-Delgado; Craig Steven Wright;	Nchain Licensing Ag;
469	11900364	2024-02-13	2022-05-23	Implementing logic gate functionality using a blockchain	Craig Steven Wright; Stephane Savanah;	Nchain Licensing Ag;
470	11900368	2024-02-13	2022-12-08	Method and system for zero-knowledge and identity based key management for decentralized applications	Vijay Madisetti; Arshdeep Bahga;	
471	11900373	2024-02-13	2022-10-06	Blockchain agnostic token network	Ryan Tai; Madeeha Ghori; Daniel Barrett;	Block, Inc.;
472	11900380	2024-02-13	2017-08-07	Blockchain architecture with record security	Andrew Sierra; Chackan Lai;	Visa International Service Association;
473	11900405	2024-02-13	2022-05-19	Blockchain data	Jay Webster; Alexander J Olson; Tobias Speckbacher; Andreas Binnewies;	Valassis Communications, Inc.;
474	11900409	2024-02-13	2018-05-23	Blockchain-based conversation management	Nicholas Brandon Newell; Swapnil Anil Tilaye;	Dish Network L.l.c.;
475	11900465	2024-02-13	2020-05-27	Systems and methods for building and utilizing an autonomous vehicle-related event blockchain	Matthew L Floyd; Alvin Hon-Wai Yu; Antwuan Murphy; Brittney Benzio; Lindsi Brantley; Matthew S Delaney; Matthew Vulich; Matthew S Rodriguez; Neha Goel; Sabrina Collins; Annie Pudlo Murillo;	State Farm Mutual Automobile Insurance Company;
476	11900493	2024-02-13	2021-09-13	Blockchain-based dispute resolution	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
477	11902254	2024-02-13	2022-09-15	Blockchain joining for a limited processing capability device and device access security	Rundong Huang;	Ezblock Ltd.;
478	11902290	2024-02-13	2023-02-27	Systems and methods for hybrid blockchain control	Avrohom Gluck; Chaim Gluck; Nechama Gluck;	
479	11902426	2024-02-13	2021-06-26	Efficient storage of blockchain in embedded device	Ananya Shrivastava; Mohammed Sumair; Joydeep Kumar Devnath; Suyash Kandele; Govardhan Mattela;	Ceremorphic, Inc.;
480	11902435	2024-02-13	2022-11-09	Access control interfaces for blockchains	Attila Marosi-Bauer; Einaras von Gravrock; Sean Tiernan; Jonas Lekevicius;	Cube Security Inc.;

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481	11902438	2024-02-13	2021-03-19	Method verifying telecommunications messaging traffic based on decentralized identifiers	Chris Wright; Monique Jeanne Morrow;	Syniverse Technologies, LLC;
482	11902439	2024-02-13	2018-03-02	Computer-implemented system and method for fault-resistant multi-node communication	Daniel Joseph; Craig Steven Wright;	Nchain Licensing Ag;
483	11902441	2024-02-13	2018-05-04	Systems and methods for parallel verification of blockchain transactions	Patrick Motylinski; Stephane Vincent; Giuseppe Destefanis; Simone Madeo; Craig Steven Wright;	Nchain Licensing Ag;
484	11902446	2024-02-13	2021-04-13	Method for recording data block on blockchain, leader accounting node, and storage medium	Mao Cai Li; Hu Lan; Zong You Wang;	Tencent Technology (shenzhen) Company Limited;
485	11902447	2024-02-13	2019-11-21	Blockchain secured by backward chained elements	Georg Krause;	Blockchain Systems Pte. Ltd.;
486	11902448	2024-02-13	2018-12-28	Hybrid blockchain architecture with computing pool	Jun-Hong Chen;	The Flowchain Foundation Limited;
487	11902450	2024-02-13	2020-08-13	Blockchain generation method and system, and related device	Xun Liu; Jian Ding; Zhao Cao;	Huawei Technologies Co., Limited;
488	11902451	2024-02-13	2021-07-01	Cross-blockchain identity and key management	Avradip Mandal; Hart Montgomery; Arnab Roy;	Fujitsu Corporation;
489	11902456	2024-02-13	2020-09-11	Blockchain sharding with adjustable quorums	Mahdi Zamani; Mustafa Ozdayi;	Visa International Service Association;
490	11902601	2024-02-13	2022-11-02	System and techniques for digital data lineage verification	Kenneth Taylor; Austin Grant Walters; Jeremy Edward Goodsitt; Fardin Abdi Taghi Abad; Reza Farivar; Vincent Pham; Anh Truong;	Capital One Services, LLC;
491	11899647	2024-02-13	2019-06-06	Documenting timestamps within a blockchain	Benedikt Krueger;	Siemens Healthcare Gmbh;
492	11899652	2024-02-13	2022-11-01	Method and apparatus for processing information of blockchain network, device and storage medium	Pan Liu;	Tencent Technology (shenzhen) Company Limited;
493	11893002	2024-02-06	2020-05-04	System or method to run distributed validation of workflows across a network in a shared distributed ledger in multi-tenant cloud environment	Prithvi Krishnan Padmanabhan;	Salesforce, Inc.;
494	11893009	2024-02-06	2020-08-18	Blockchain database management system	Craig Steven Wright; Brock Gilles Doiron;	Nchain Licensing Ag;
495	11893074	2024-02-06	2020-08-19	Sharing data via transactions of a blockchain	Brock Doiron; Craig Steven Wright;	Nchain Licensing Ag;
496	11893139	2024-02-06	2021-06-02	Method for displaying blockchain data, blockchain browser, user node, and medium	Maocai Li; Zongyou Wang; Kaiban Zhou; Jinsong Zhang; Hu Lan; Li Kong; Changqing Yang; Yifang Shi;	Tencent Technology (shenzhen) Company Limited;
497	11893141	2024-02-06	2021-12-06	Method and control circuit for managing information of electronic device	Kai-Hsin Chuang;	Pufsecurity Corporation;
498	11893552	2024-02-06	2019-12-24	Distributed consensus algorithm and apparatus for rapidly generating block	Feng Zhao; Jingyu Feng;	Xi'an University of Posts and Telecommunications; Xi'an Anmeng Intelligent Technology Co., Ltd.;
499	11893554	2024-02-06	2018-08-30	Secure smart note	Gary P Noble;	International Business Machines Corporation;
500	11893570	2024-02-06	2020-11-20	Token based demand and remand system	Brian Tougas; Carl Mehner; Jennifer Hunt Erickson; Sean Carl Mitchem; Brian F Shipley; Joel S Hartshorn; Nolan Serrao; Ji Qi;	United Services Automobile Association (usaa);

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501	11893582	2024-02-06	2018-05-14	Forcing the injection of a previous transaction's bytecode into a blockchain transaction	Ying Chan; Dean Kramer;	Nchain Licensing Ag;
502	11893583	2024-02-06	2019-09-20	Settlement system, settlement method, user device, and settlement program	Shigenori Ohashi; Atsushi Nakadaira; Shigeru Fujimura; Masayoshi Chikada; Tatsuro Ishida; Hiroki Watanabe; Kota Hidaka; Junichi Kishigami;	Nippon Telegraph and Telephone Corporation;
503	11893584	2024-02-06	2022-12-12	Constraining injection of unlocking transaction bytecode	Ying Chan; Dean Kramer;	Nchain Licensing Ag;
504	11893598	2024-02-06	2022-07-29	On-chain loyalty program management	Alon Navon; Gil Meir; Avihai Yosef; Yehonatan Yochpaz;	Paypal, Inc.;
505	11893626	2024-02-06	2021-11-29	Method for creating commodity assets from unrefined commodity reserves utilizing blockchain and distributed ledger technology	Christopher Youb; Bruce Youb;	Stichting Ip-oversight;
506	11893637	2024-02-06	2022-06-16	Systems and methods for cryptographic trading	David Bleznak; Sergey Tsyba; Jordan Lyall; Noah Passalacqua; Nate Welch; Craig Braun; Ed Posnak; Eric Bujold; Colleen Stabler; Svenn Mahle; Katie Horne; Austin Roberts; Chris Behar; Andrew Trudel; Andrew Katsevich; Harry Wright; Audrey Sciortino;	Coinbase, Inc.;
507	11893638	2024-02-06	2022-12-21	System and method for content stake via blockchain	Robert James Mark Hain;	Verasity Limited S.r.l.;
508	11895094	2024-02-06	2019-11-18	Data sanitization system for public host platform	David G Druker; Matthew Elsner; Ariel Farkash; Igor Gokhman; Brian R Matthiesen; Patrick R Wardrop; Ilgen B Yuceer;	International Business Machines Corporation;
509	11895104	2024-02-06	2021-04-20	Service processing method and apparatus based on blockchain system, medium and electronic device	Jun Zang; Jian Jun Zhang; Luo Hai Zheng; Jun Jie Shi; Hu Jia Chen; Zi Chao Tang; Yi Ge Cai; Qing Qin; Chuan Bing Dai; Hu Lan; Jin Long Chen;	Tencent Technology (shenzhen) Company Limited;
510	11895223	2024-02-06	2019-02-06	Cross-chain validation	Gabor Madl; Luis Angel D Bathen; Ramani R Routray; Diego A Masini; Dulce B Ponceleon;	International Business Machines Corporation;
511	11895242	2024-02-06	2021-03-10	Data processing method and apparatus in blockchain network, storage medium, and computer device	Mao Cai Li; Geng Liang Zhu; Zong You Wang; Li Kong; Hu Lan; Kai Ban Zhou; Chang Qing Yang; Yi Fang Shi; Qui Ping Chen; Qu Cheng Liu; Jin Song Zhang; Pan Liu;	Tencent Technology (shenzhen) Company Limited;
512	11895248	2024-02-06	2022-02-08	Method and apparatus for generating blockchain transaction	Xiaofeng Zhu;	Advanced New Technologies Co., Ltd.;
513	11895267	2024-02-06	2019-07-01	Number management system, number management method, number management device and number management program	Kenta Shinohara; Noritaka Horikome;	Nippon Telegraph and Telephone Corporation;
514	11895496	2024-02-06	2022-06-21	Systems and methods for providing and using proof of coverage in a decentralized wireless network	Amir Haleem; Andrew Thompson; Andrew Allen; Marc Nijdam; Rahul Garg; Jay Kickliter;	Decentralized Wireless Foundation, Inc.;
515	11883749	2024-01-30	2022-12-29	Automatic processing of non-fungible token attributes	Peter Arthur Leondires; Andrew John Botelho; Kenneth Scott Bacon; Corey Batt;	Dk Crown Holdings Inc.;
516	11886420	2024-01-30	2018-04-10	System and method for distributing data records using a blockchain	Martin Sewell; Daniel Joseph; Craig Steven Wright;	Nchain Licensing Ag;
517	11886421	2024-01-30	2020-01-30	Systems, methods, and apparatuses for distributing a metadata driven application to customers and non-customers of a host organization using distributed ledger technology (DLT)	Prithvi Krishnan Padmanabhan;	Salesforce, Inc.;
518	11886423	2024-01-30	2021-08-30	Blockchain-based recording and querying operations	Long Cheng; Yanpeng Li;	Advanced New Technologies Co., Ltd.;
519	11886425	2024-01-30	2022-01-11	Blockchain registry scaling	Braden River Pezeshki; Matthew Everett Gould; Bogdan Gusiev; Sergii Bomko; Vladyslav Batyrenko;	Unstoppable Domains Inc.;
520	11886426	2024-01-30	2022-05-23	Probabilistic relay for efficient propagation in a blockchain network	Simone Madeo; Patrick Motylinski; Giuseppe Destefanis; Stephane Vincent;	Nchain Licensing Ag;

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521	11886544	2024-01-30	2020-12-21	Authentication of compressed media data based on immutable ledgers	Jason Lealand Crawforth; Michael Robert Blood;	Swear Inc.;
522	11886552	2024-01-30	2022-03-20	Video game integration of cryptographically secured digital assets	Christopher Andon; Matthew Davis; Hien Tommy Pham; Jeremy Schroeder;	Nike, Inc.;
523	11886557	2024-01-30	2023-04-06	Method and blockchain-based system for managing credentials in batch with selective attributes disclosure/hiding and auditable merkle tree	Tung Thanh Tran;	Viet Nam National University Ho Chi Minh City; International University (iu)—vietnam National University Hcm City;
524	11886612	2024-01-30	2019-09-10	Consent provenance and compliance tracking over a complex consumer data supply chain using blockchain distributed ledger	Joe Hsy; Tsz Ling Christina Leung; Matt LeBaron; Arthur Coleman;	Liveramp, Inc.;
525	11887037	2024-01-30	2019-02-19	Generating and applying a prediction model based on blockchain data	David Joseph Haimes;	Oracle International Corporation;
526	11887107	2024-01-30	2018-05-08	Method and device for providing transaction service for cryptocurrencies based on different blockchains	Seok Ju Yun;	Nexon Korea Corporation;
527	11887113	2024-01-30	2022-01-26	Decentralized computer systems and methods for efficient transaction dispute management using blockchain	Ramesh Vijayaraghavan;	Worldpay Limited;
528	11887115	2024-01-30	2017-04-17	Systems and methods to validate transactions for inclusion in electronic blockchains	Jeff Stollman; Martin Mateev;	
529	11887146	2024-01-30	2020-01-26	Product exploration-based promotion	Yedendra Shrinivasan; Krishna Chaitanya Ratakonda; Rakesh Mohan;	International Business Machines Corporation;
530	11887204	2024-01-30	2022-07-28	Systems and methods for monetizing data in decentralized model building for machine learning using a blockchain	Sathyanarayanan Manamohan; Vishesh Garg; KrishnaPrasad Lingadahalli Shastry;	Hewlett Packard Enterprise Development LP;
531	11888675	2024-01-30	2022-02-07	Systems, devices, and methods for internet of things integrated automation and control architectures	Vincenzo Lombardi; Franco Petrucci;	Metafyre Inc.;
532	11888730	2024-01-30	2022-09-20	Dynamically optimizing routing within a decentralized network	Joseph Palermo; Marc Tyndel; Hashiam Kadhim;	Block, Inc.;
533	11888965	2024-01-30	2019-12-10	Method and system for IOT device digital asset permission transfer system using blockchain network	Hui Fang; Bensam Joyson; Anupam Sharma; Zunhua Wang;	Mastercard Asia/pacific Pte. Ltd.;
534	11888976	2024-01-30	2022-02-23	System and method for multi-party generation of blockchain-based smart contract	Alexandra Covaci; Simone Madeo; Patrick Motylinski; Stephane Vincent;	Nchain Licensing Ag;
535	11888981	2024-01-30	2021-08-17	Privacy preserving auditable accounts	Elli Androulaki; Kaoutar El Khiyaoui;	International Business Machines Corporation;
536	11888985	2024-01-30	2019-04-04	Blockchain system, registration terminal, approval terminal, smart contract registration method, and smart contract registration program	Hiroki Watanabe; Shigenori Ohashi; Shigeru Fujimura; Atsushi Nakadaira;	Nippon Telegraph and Telephone Corporation;
537	11888987	2024-01-30	2021-08-19	Method and system for digital voting using a trusted digital voting platform	Alexandre Goguin; Satyan Pitroda; Rakesh Patel;	The Pitroda Group Llc.;
538	11888991	2024-01-30	2021-08-25	Universally trusted bridges for heterogenous blockchain networks	Michael Jim Tien Chan; Oluwatomisin Olayemi Jenrola; Vladimir Bacvanski; John Lucas Timoney; Daniel Santiago Rincon Silva; Aklen Altanel; Liam Julian DiGregorio; Suryatej Gundavelli;	Paypal, Inc.;
539	11888992	2024-01-30	2019-02-28	System and method for generating digital marks	Long Cheng; Yanpeng Li;	Advanced New Technologies Co., Ltd.;
540	11880228	2024-01-23	2022-08-04	Systems and methods for verifying data via blockchain	Melinda Teresa Magerkurth; Eric Bellas; Jaime Skaggs; Shawn M Call; Eric R Moore; Vicki King; Burton J Floyd; David Turrentine; Steven T Olson; Timothy Caleb Wells; Corin Rebekah Chapman; Edward W Breitweiser; Robert Gomez; Shelia Cummings Smith;	State Farm Mutual Automobile Insurance Company;

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541	11880349	2024-01-23	2019-07-30	System or method to query or search a metadata driven distributed ledger or blockchain	Prithvi Krishnan Padmanabhan;	Salesforce, Inc.;
542	11880352	2024-01-23	2022-03-04	Storing and verification of derivative work data on blockchain with original work data	Michael Chan; Derek Chamorro; Arpit Jain; Venkata Siva Vijayendra Bhamidipati;	Ebay, Incorporated;
543	11880372	2024-01-23	2022-05-10	Distributed metadata definition and storage in a database system for public trust ledger smart contracts	Prithvi Krishnan Padmanabhan; Gary Brandeleer; Avanthika Ramesh; Adam Caplan; Angus Dunn; Dan Xu; Chinmay Gore; Aditya Nikhil Desai;	Salesforce, Inc.;
544	11880383	2024-01-23	2019-07-15	Federated data management between partner systems	David Rauch; Ricarda Bethge; Mathias Held; Arne Scherrer; Mehran Shakeri; Kevin Ventzke; Dennis Kuhnert; Antonio Estrada Rubio;	Sap Se;
545	11880433	2024-01-23	2022-01-14	Blockchain-based authentication of artwork	Alberto Antonioli; Pierluigi Zagari;	Collectory S.a R.l.;
546	11880809	2024-01-23	2020-10-09	Blockchain cross-chain non-fungible token exchange	Josh Williams; Raymond A Chiapuzio;	Frontage Road Holdings, LLC;
547	11880810	2024-01-23	2022-08-11	Systems and methods for securely sharing public blockchain addresses	Lior Glass; Ryan Marsh; Puneet Singhvi;	Citibank, N.a.;
548	11880836	2024-01-23	2023-03-16	Gated control for blockchain units	Balazs Nemethi;	Veri Labs, Inc.;
549	11880839	2024-01-23	2021-02-15	Platform for a plurality of services associated with a blockchain	Andrew James Mee;	Nchain Licensing Ag;
550	11882227	2024-01-23	2021-07-30	Blockchain-based cloud platform authentication method, system and device and medium	Bin Fang;	Inspur Suzhou Intelligent Technology Co., Ltd;
551	11882228	2024-01-23	2023-03-24	Systems and methods for generating shell-wrapped self-executing programs for conducting cryptographically secure actions	Jonathan Miles Collin Rosenoer;	Citibank, N.a.;
552	11880494	2024-01-23	2021-07-01	Secure decentralized system utilizing smart contracts, a blockchain, and/or a distributed file system	Jonathan Lee; Steve Frensch; Ethan Greig; Anna-Maria Nalepa; Zheng Jian;	Capital One Services, LLC;
553	11882205	2024-01-23	2023-03-13	Systems for multi-blockchain, multi-token interoperability via common blockchain integration	Kevin Lupowitz; Eric Couillard; Sanjaya Kulkarni; Brian Bruce; Sanjay Deshpande; Omari Edwards; Joe Grastara; Al Gleicher;	Tassat Group Inc.;
554	11872494	2024-01-16	2019-12-27	Method for changing game parameter	Hyeon Suk Na; Min Gyu Jeon; Chi Yeon Hwang;	Foundation of Soongsil University-industry Cooperation;
555	11874639	2024-01-16	2022-08-12	Auditor system and method for a building management system environment	Joseph F Vitaterna; Steven Tattleman;	Siemens Industry, Inc.;
556	11874804	2024-01-16	2020-02-05	Load balancing based blockchain transaction submission	Petr Novotny; Qi Zhang;	International Business Machines Corporation;
557	11874820	2024-01-16	2021-06-22	Consensus method, apparatus, and system for blockchain based on byzantine fault tolerance algorithm	Xiaojun Liao;	Alipay (hangzhou) Information Technology Co., Ltd.;
558	11875171	2024-01-16	2019-01-18	Blockchain network transaction processing method, apparatus, device, and storage medium	Wei Xiao;	Baidu Online Network Technology (beijing) Co., Ltd.;
559	11875300	2024-01-16	2018-07-12	Perishable asset tracking for blockchain	Sathya Santhar; Sarbajit K Rakshit; Samuel M Jawaharlal; Balamurugaramanathan Sivaramalingam;	International Business Machines Corporation;
560	11875339	2024-01-16	2022-11-21	Method and apparatus for collecting and distributing secured data	Robert Bunn; Alexander Sheppert;	Meddamark, Inc.;

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561	11875340	2024-01-16	2018-04-06	Method and system for secure data record distribution using a blockchain	Martin Sewell; Daniel Joseph; Craig Steven Wright;	Nchain Licensing Ag;
562	11875345	2024-01-16	2021-09-24	Method and device for conducting a transaction between a plurality of partitions of a blockchain	Alexander Poddey;	Robert Bosch G.m.b.h.;
563	11875357	2024-01-16	2020-07-09	Method and system of using miner commitment to reward proofs	Shubham Jain; Yashika Sharma; Chandan Garg;	Mastercard International Incorporated;
564	11875400	2024-01-16	2020-01-29	Systems, methods, and apparatuses for dynamically assigning nodes to a group within blockchains based on transaction type and node intelligence using distributed ledger technology (DLT)	Prithvi Krishnan Padmanabhan;	Salesforce, Inc.;
565	11875406	2024-01-16	2023-05-11	Blockchain instrument for transferable equity	Thomas Marshall Gordon, III; Gregory Frederick Bush;	Equity Shift, Inc.;
566	11875407	2024-01-16	2023-06-28	Blockchain instrument for transferable equity	Thomas Marshall Gordon, III; Joseph W Forbes, Jr; Gregory Frederick Bush;	Equity Shift, Inc.;
567	11875607	2024-01-16	2020-09-18	Electronic voting system and control method	Yuji Unagami; Akira Tanaka; Junichiro Soeda;	Panasonic Intellectual Property Corporation of America;
568	11876774	2024-01-16	2022-11-21	Resolving blockchain domains	Braden River Pezeshki; Matthew Everett Gould; Bogdan Gusiev;	Unstoppable Domains Inc.;
569	11876861	2024-01-16	2021-08-24	Data management method, data management device, blockchain network and system	Junjie Zhao;	Beijing Boe Technology Development Co., Ltd.; Boe Technology Group Co., Ltd. China;
570	11876890	2024-01-16	2019-12-10	Anonymization of partners	Nathan Robert Barry; Sheela Shetty; Yi-Min Chee;	International Business Machines Corporation;
571	11876891	2024-01-16	2021-11-23	Secure parameter merging using homomorphic encryption for swarm learning	Sathyanarayanan Manamohan; Vishesh Garg; Krishnaprasad Lingadahalli Shastry; Saikat Mukherjee;	Hewlett Packard Enterprise Development LP;
572	11876897	2024-01-16	2021-09-22	Right holder terminal, permission information management method, and permission information management program	Shigeru Fujimura; Akihito Akutsu; Tomokazu Yamada; Atsushi Nakadaira; Junichi Kishigami;	Nippon Telegraph and Telephone Corporation;
573	11876903	2024-01-16	2020-12-09	Decentralized broadcast encryption and key generation facility	Dulce B Ponceleon; Nitin Gaur; Petr Novotny; Luis Angel Bathen;	International Business Machines Corporation;
574	11876905	2024-01-16	2022-05-24	System and method for generating trust tokens	Quan Wang; Weiyi Zhou;	Visa International Service Association;
575	11876909	2024-01-16	2022-04-06	Verification system and method for chaining data	Gwan-Hwan Hwang;	International Trust Machines Corporation;
576	11876910	2024-01-16	2020-01-29	Systems, methods, and apparatuses for implementing a multi tenant blockchain platform for managing Einstein platform decisions using distributed ledger technology (DLT)	Prithvi Krishnan Padmanabhan;	Salesforce, Inc.;
577	11876911	2024-01-16	2021-07-14	Blockchain based alias interaction processing	Thomas Purves;	Visa International Service Association;
578	11876886	2024-01-16	2021-03-22	Proof of eligibility consensus for the blockchain network	Johnson Manuel-Devadoss;	Oracle International Corporation;
579	11865459	2024-01-09	2022-12-29	Automatic generation of non-fungible token attributes	Peter Arthur Leondires; Andrew John Botelho; Kenneth Scott Bacon;	Dk Crown Holdings Inc.;
580	11866007	2024-01-09	2018-03-07	Blockchain authentication of a vehicle rider	Ali Hassani;	Ford Global Technologies, LLC;

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581	11868321	2024-01-09	2018-09-19	Cryptographically secure multi-tenant data exchange platform	Prithvi Krishnan Padmanabhan; Sri Naga Deepthi Velisetti; Philip Norman Calvin; Brent Fosdick; Andrew Emil Conn;	Salesforce, Inc.;
582	11868322	2024-01-09	2020-02-21	Content use system	Shigenori Ohashi; Hiroki Watanabe; Tatsuro Ishida; Shigeru Fujimura; Atsushi Nakadaira;	Nippon Telegraph and Telephone Corporation;
583	11868338	2024-01-09	2020-06-23	Tracking and fault determination in complex service environment	Muhammad Jawad Paracha; Militza Jordaan Bishop; John Alan Bivens;	International Business Machines Corporation;
584	11868339	2024-01-09	2020-06-04	Blockchain based distributed file systems	Rajkumar Kannan; Aruna Srinivasa Murthy;	Hewlett Packard Enterprise Development LP;
585	11868745	2024-01-09	2022-08-13	System and method for compiling high-level language code into a script executable on a blockchain platform	Craig Steven Wright; Stephane Savanah;	Nchain Licensing Ag;
586	11868991	2024-01-09	2022-07-18	System and method for conducting and securing transactions when blockchain connection is unreliable	Dan Kikinis; Haim Dror;	Liquineq Ag;
587	11868995	2024-01-09	2017-11-27	Extending a secure key storage for transaction confirmation and cryptocurrency	Rolf Lindemann;	Nok Nok Labs, Inc.;
588	11868998	2024-01-09	2022-08-02	System and method for tracking of provenance and flows of goods, services, and payments in responsible supply chains	Peter Bodorik; Dawn Jutla;	Peer Ledger Inc.;
589	11869007	2024-01-09	2021-07-16	Geocoding geocode datasets in know your customer blockchain data blocks for spatial analytical risk modeling	Sujatha Balaji;	Bank of America Corporation;
590	11869018	2024-01-09	2022-05-23	Voting system to prevent fraud using blockchain technology	Nathaniel Loyd; John Wesley Barron; Joshua Jarrell;	Gleipnir Technologies LLC;
591	11869107	2024-01-09	2022-05-23	Multi-tier blockchain-based system and method for document transformation and accountability	Edward Wu; Guy Gal; Christopher Dzoba; Jeffrey Judkins; Mark J Stefik; Adriano Castro;	Side, Inc.;
592	11870747	2024-01-09	2020-11-09	Blockchain-driven certification of iterative electronic communications	Michael Kilburn; Logendra Naidoo;	Mitel Networks Corporation;
593	11870883	2024-01-09	2022-02-04	Blockchain-based data management of distributed binary objects	Irene Wong Woerner; Ronald Chi King Kong;	Emtruth, Inc.;
594	11870894	2024-01-09	2022-05-06	Controlled cryptographic private key release	John Fletcher; Thomas Trevethan;	Nchain Licensing Ag;
595	11870905	2024-01-09	2023-07-17	Method for providing user identity based on zero-knowledge proof over blockchain network by using user certificate and blockchain system using the same	Sanghyeon Park; Jeonghyuk Lee; Seung Hwa Lee; Joonsun Uhr;	Cplabs, Inc.;
596	11870920	2024-01-09	2022-09-23	Graph models of relationships between data stored in blocks on distributed ledgers that are learned through machine learning and platforms for creating, cataloging, and storing the same	Frank J Ricotta; Brian Jackson; Tyson Henry; Amber Hartley;	Burstiq, Inc.;
597	11870929	2024-01-09	2020-09-30	Telecommunication mediation using blockchain based microservices	Naresh Ramakrishnan Mani;	International Business Machines Corporation;
598	11860680	2024-01-02	2021-04-02	Software pipeline and release validation	Yoav Landman;	Jfrog, Ltd.;
599	11860856	2024-01-02	2020-07-20	Managing distributed ledger storage space	Ahmed Mohamed Abbas Saleh; Karen Medhat Yousry Fahmy Beshara; Labib Farag Labib Hanna Saad;	International Business Machines Corporation;
600	11860995	2024-01-02	2021-08-13	Method to implement traceability and provability in software development	Russell Shannon; Joseph Garcia; Aaron Jacobson; William Mosca; Roberto Maldonado; Michael Burger;	The United States of America, As Represented by the Secretary of the Navy;

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601	11861343	2024-01-02	2020-09-30	Systems, apparatus, and methods for updating a programmable device using a distributed ledger	Ned M Smith; Zheng Zhang; Thiago J Macieira;	Mcafee, Inc.;
602	11861427	2024-01-02	2019-11-01	Pooled validator node configuration for hosted blockchain network	Jason Michael Anderson; Soumya Desai; Vrijesh Kothari; Marc Edward Mercuri; Yan Huang;	
603	11861527	2024-01-02	2018-11-07	Financial swap payment structure method and system on transportation capacity unit assets	Erik M Simpson;	Circlesx LLC;
604	11861558	2024-01-02	2022-04-05	Upstream visibility in supply-chain	Elisabeth Claire Paulson; Ashish Jagmohan; Ajay Ashok Deshpande; Pavithra Harsha; Ali Koc; Krishna Chaitanya Ratakonda; Ramesh Gopinath;	International Business Machines Corporation;
605	11861573	2024-01-02	2021-11-24	Method for paying cost of IoT device based on blockchain and merkle tree structure related thereto, and server, service providing terminal, and digital wallet using the same	Joon Sun Uhr; Jay Wu Hong;	Coinplug, Inc.;
606	11861609	2024-01-02	2020-01-16	Method and system for exchange of value or tokens between blockchain networks	Vijay Madisetti; Arshdeep Bahga;	
607	11861612	2024-01-02	2021-06-21	Blockchain-based offline resource transfer method and apparatus	Hong Zhang; Qi Huang;	Alipay (hangzhou) Information Technology Co., Ltd.;
608	11861614	2024-01-02	2023-02-26	Child support and centralized distribution network	Eugenia Roxanne Miller;	
609	11861615	2024-01-02	2023-02-26	Child support and centralized distribution network	Eugenia Roxanne Miller;	
610	11861616	2024-01-02	2023-02-26	Child support and centralized distribution network	Eugenia Roxanne Miller;	
611	11861619	2024-01-02	2017-11-30	Systems and methods for payment transactions, alerts, dispute settlement, and settlement payments, using multiple blockchains	Ramesh Vijayaraghavan;	Worldpay Limited;
612	11861729	2024-01-02	2022-10-11	Fault determination of blockchain subrogation claims	Shawn M Call; Jaime Skaggs; Eric Bellas; Douglas A Graff; William J Leise; Vicki King; Jacob J Alt; Eric R Moore; Stacie A McCullough;	State Farm Mutual Automobile Insurance Company;
613	11861730	2024-01-02	2022-12-22	Systems and methods for maintaining a distributed ledger of transactions pertaining to an autonomous vehicle	Matthew L Floyd; Alvin Hon-wai Yu; Antwuan Murphy; Brittney Benzio; Lindsi Brantley; Matthew S Delaney; Matthew Vulich; Matthew S Rodriguez; Neha Goel; Sabrina Collins; Annie Pudlo Murillo;	State Farm Mutual Automobile Insurance Company;
614	11861946	2024-01-02	2021-09-28	Locking system with a lock operable in different modes for allowing access using a sharable digital key	Ranjeev K Singh;	Dauntless Labs, LLC;
615	11862304	2024-01-02	2019-05-15	Patient authorized medical information storage and access system	Justin James Klein;	Health2047, Inc.;
616	11862313	2024-01-02	2019-06-10	Decentralized prescription refills	Dulce B Ponceleon; Nathalie Baracaldo Angel; Nitin Gaur;	International Business Machines Corporation;
617	11863305	2024-01-02	2022-05-24	RAM hashing in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
618	11863570	2024-01-02	2020-03-24	Blockchain-based network security system and processing method	Tengxiao Yang; Zheng Xiao; Tao Yan;	Shanghai Newdon Technology Co., Ltd.;
619	11863609	2024-01-02	2022-02-01	System for storing, processing, and accessing medical data	Tim Donald Johnson;	
620	11863624	2024-01-02	2022-08-13	Fast propagation of recent transactions over a blockchain network	Giuseppe Destefanis; Patrick Motylinski; Stephane Vincent; Craig Steven Wright;	Nchain Licensing Ag;

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621	11863659	2024-01-02	2019-03-22	Shipping platform	Sarah Banks; Deven Bharat Chhaya; Adriana Gabriela Diener-Veinott;	Accenture Global Solutions Limited;
622	11863678	2024-01-02	2020-12-31	Rendering blockchain operations resistant to advanced persistent threats (APTs)	Kelce S Wilson; Jeff A Hughes; Tyler J Moody; Derek E Doran; Gary R Tuttle; Joel B Rieman;	Tenet 3, LLC;
623	11863679	2024-01-02	2020-12-31	Blockchain records with third party digital signatures as a trust element for high-risk digital content	Kelce S Wilson; Jeff A Hughes; Tyler J Moody; Derek E Doran; Gary R Tuttle; Joel B Rieman;	Tenet 3, LLC;
624	11863680	2024-01-02	2020-12-31	Linking blockchain records to identify certification, track pedigree and identify obsolete digital content	Kelce S Wilson; Jeff A Hughes; Tyler J Moody; Derek E Doran; Gary R Tuttle; Joel B Rieman;	Tenet 3, LLC;
625	11863686	2024-01-02	2021-05-18	Validating authenticity of electronic documents shared via computer networks	Brian Deery; Paul Snow; Mahesh Paolini-Subramanya;	Inveniam Capital Partners, Inc.;
626	11863692	2024-01-02	2019-04-01	Digital certificate processing method and device, blockchain node and storage medium	Junzhi Yan;	China Mobile Communication Co., Ltd Research Inst; China Mobile Communications Group Co., Ltd.;
627	11864001	2024-01-02	2021-07-12	Adaptive 5G system	Jeffrey Lang McSchooler; Jennings Maxwell Orcutt; David Robert Zufall; Christopher William Krasny Ergen; Mark Henry Gomez;	Dish Wireless L.l.c.;
628	11861606	2024-01-02	2022-01-07	Blockchain system for confidential and anonymous smart contracts	Shashank Agrawal; Karl Benedikt Bünz; Mahdi Zamani; Dan Boneh;	Visa International Service Association; Leland Stanford Junior University;
629	11852664	2023-12-26	2021-02-17	Power metering apparatus, power metering server, and power metering method based on blockchain	Tae in Hwang; Il Woo Lee;	Electronics and Telecommunications Research Institute;
630	11853285	2023-12-26	2021-01-22	Blockchain logging of volume-level events in a storage system	Ronald Ekins; Ronald Karr;	Pure Storage, Inc.;
631	11853293	2023-12-26	2021-10-14	Multiuser synchronous conclave blockchain technology	Saurabh Gupta;	Bank of America Corporation;
632	11853922	2023-12-26	2020-05-01	Usage metric-based warranty for internet-of-things devices	Nadiya Kochura; Shikhar Kwatra; Tiberiu Suto; Hemant Kumar Sivaswamy;	International Business Machines Corporation;
633	11853978	2023-12-26	2020-03-23	Virtual currency management method	Takuya Hagimura;	Nomura Research Institute, Ltd.;
634	11854009	2023-12-26	2022-10-04	Method for pooling in a proof-of-space-based blockchain via singletons	Bram Cohen; Matt Hauff; Mariano Sorgente; Matt Howard; Adam Kelly;	Chia Network Inc.;
635	11854021	2023-12-26	2019-02-28	Data security	Anthony A Macey; Harry Powell; Richard Craibe William Martin; Antoine Amend;	Barclays Execution Services Limited;
636	11854074	2023-12-26	2021-01-12	Geolocation-based mesh automatic lending network	Andrew J Garner, IV; Chris Theodore Kalaboukis; Rameshchandra Bhaskar Ketharaju; Joon Maeng; Ramanathan Ramanathan; Abhijit Rao; Andres J Saenz;	Wells Fargo Bank, N.a.;
637	11854080	2023-12-26	2021-12-01	System and method for matching orders and immutable blockchain ledger for all customer trading activity with settlement into the broker dealer ecosystem	Joe Kurczodyna; Matthew Baldwin;	Blackstar Enterprises Group;
638	11854082	2023-12-26	2023-04-05	Blockchain instrument for transferable equity	Thomas Marshall Gordon, III;	Equity Shift, Inc.;
639	11854405	2023-12-26	2018-06-06	Performing vehicle logistics in a blockchain	Andrew J E Menadue;	International Business Machines Corporation;
640	11854677	2023-12-26	2021-12-23	Event tracking for advanced therapy medicinal products	Raja Sharif;	Atmps Ltd;

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641	11856084	2023-12-26	2022-12-15	System and method for healthcare security and interoperability	Jessica Lee; Jun Morimura; Michael Moschetti; John Vig; Marvin Quesada; Andrew Thomson;	Janssen Pharmaceutica Nv;
642	11856085	2023-12-26	2020-03-16	Information management system and method for the same	Tatsuya Tojima; Takeshi Kondo; Yoshihito Aso; Tatsuya Fuchigami;	Nomura Research Institute, Ltd.;
643	11856100	2023-12-26	2019-04-24	Partitioning a blockchain network	Dean Kramer; Martin Sewell; Bassem Ammar;	Nchain Licensing Ag;
644	11856107	2023-12-26	2022-02-02	Methods and systems for exchanging confidential information via a blockchain	Cathy Rowe; Fabio Bagatin;	Cch Incorporated;
645	11856109	2023-12-26	2020-02-06	Entity certification management	Igor Anatolyevich Naumov; Yichong Yu;	International Business Machines Corporation;
646	11856117	2023-12-26	2022-11-14	Autonomous distributed wide area network having control plane and order management on a blockchain	Paul Valenzuela; Christian Johnny Martinez;	Unified Sentinel Data Networks LLC;
647	11847135	2023-12-19	2021-02-03	Blockchain node and transaction method	Qi Liu; Jian Ding; Yanlan Wei;	Huawei Technologies Co., Limited;
648	11847171	2023-12-19	2019-08-20	Facilitating blockchain transactions with an Internet of Things (IoT) device	Marci Ramona Wojcik;	International Business Machines Corporation;
649	11847173	2023-12-19	2022-02-07	System and method of facilitating publishing and verification of digital documents on a distributed ledger	Pawan Khurana; Rajesh Ranjan;	
650	11847183	2023-12-19	2022-02-18	Methods and apparatus for checking the results of characterized memory searches	Jonathan D Harms;	Micron Technology Incorporated;
651	11847488	2023-12-19	2020-08-03	Graph data processing method, method and device for publishing graph data computational tasks, storage medium, and computer apparatus	Bo Zheng; Rijia Liu; Zhibin Liu; Qian Chen;	Tencent Technology (shenzhen) Company Limited;
652	11847511	2023-12-19	2023-06-02	Standardized interactions across different blockchains	Sean Carey; Christopher Bruce;	Blockjoy, Inc.;
653	11847647	2023-12-19	2022-03-21	Device, method, and computer readable medium for large scale electronic processing	Warren Pennington; John Evans; Ryan Lovell;	The Vanguard Group, Inc.;
654	11847675	2023-12-19	2021-11-24	Method and system for facilitating a marketplace for labor arbitrage	Bill Borden Shook; David Cho;	
655	11848080	2023-12-19	2022-12-15	System and method for healthcare security and interoperability	Jessica Lee; Jun Morimura; Michael Moschetti; John Vig; Marvin Quesada; Andrew Thomson;	Janssen Pharmaceutica Nv;
656	11848754	2023-12-19	2022-11-07	Access delegation leveraging private keys on keystores read by provisioned devices	Victor Bovee Dods; Benjamin James Taylor; Benjamin Gregory Nichols;	Ledgerdomain Inc.;
657	11848758	2023-12-19	2022-02-04	Secure messaging in a blockchain network	Victor Bovee Dods; Benjamin James Taylor; Leonid Alekseyev; William Jack;	Ledgerdomain Inc.;
658	11848862	2023-12-19	2022-07-26	Decentralized content fabric	Michelle Munson; Serban Simu;	Eluvio, Inc.;
659	11848917	2023-12-19	2021-06-24	Blockchain-based anonymous transfers zero-knowledge proofs	Theo Kevin Gauthier; Robin Salen; Jawad Tariq;	Toposware, Inc.;
660	11848934	2023-12-19	2019-07-10	Resource management system, resource management method, resource transaction management device, resource management device, and program	Hideki Shina; Kenta Shinohara;	Nippon Telegraph and Telephone Corporation;

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661	11849022	2023-12-19	2022-07-27	Method and system for distribution of a consistent ledger across multiple blockchains	Steven C Davis; Rakesh Yadav;	Mastercard International Incorporated;
662	11849025	2023-12-19	2022-08-12	Method and system for optimization of blockchain data storage	Robert Collins; Rob Byrne;	Mastercard International Incorporated;
663	11849028	2023-12-19	2021-11-17	Method and system for secure IoT device onboarding using a blockchain network	Sumanta Sarkar; Habeeb Basha Syed; Vinayak Kumar Charaka;	
664	11849032	2023-12-19	2021-05-14	Systems and methods for blockchain-based secure key exchange	John M Stokes; Manuel Enrique Caceres; Young Rak Choi; Warren Hojilla Uy; Mun Wei Low; Dayong He;	Verizon Patent and Licensing Inc.;
665	11849039	2023-12-19	2021-11-29	Parallel block processing in blockchains	Marcus Boorstin;	Circle Internet Financial Limited;
666	11849046	2023-12-19	2019-10-18	Freshness visibility in supply-chain	Yam Huo Ow; Ashish Jagmohan; Ali Koc; Ajay Ashok Deshpande; Pavithra Harsha;	International Business Machines Corporation;
667	11849047	2023-12-19	2018-10-09	Certifying authenticity of data modifications	Hiroaki Nakamura; Takaaki Tateishi;	International Business Machines Corporation;
668	11849051	2023-12-19	2021-12-12	System and method for off-chain cryptographic transaction verification	Matthew Unger; Matej Masiar; Qayyum Rajan;	Icomply Investor Services Inc.;
669	11849052	2023-12-19	2021-01-21	Certificate in blockchain network, storage medium, and computer device	Mao Cai Li; Geng Liang Zhu; Hu Lan; Zong You Wang; Li Kong; Kai Ban Zhou; Chang Qing Yang; Qiu Ping Chen; Qu Cheng Liu; Yi Fang Shi; Jin Song Zhang; Pan Liu;	Tencent Technology (shenzhen) Company Limited;
670	11847249	2023-12-19	2019-10-21	Privacy-preserving mobility as a service supported by blockchain	Hideji Wakabayashi;	Sony Corporation;
671	11848937	2023-12-19	2020-09-18	Secure communication using blockchain technology	John T Wolohan, Jr; Steffen Michael Haaker; Ryan Thomas Gentry;	Booz Allen Hamilton Inc.;
672	11849021	2023-12-19	2020-09-08	Blockchain node initialization	Richard Alan Dayan;	International Business Machines Corporation;
673	11842256	2023-12-12	2020-05-15	Ensemble training in a distributed marketplace	Killian Levacher; Emanuele Ragnoli; Stefano Braghin; Gokhan Sagirlar;	International Business Machines Corporation;
674	11842287	2023-12-12	2023-07-28	Systems and methods for conducting blockchain actions based on network mappings of self-executing program characteristics	Jonathan Miles Collin Rosenoer;	Citibank, N.a.;
675	11842317	2023-12-12	2022-08-12	Blockchain-based authentication and authorization	Constanza Maria Heath; Ethan Benjamin Rubinson;	Ebay, Incorporated;
676	11842322	2023-12-12	2019-06-26	Smart contract interpreter	Edward Rosinzonsky; Danjue Li;	Equinix, Inc.;
677	11842339	2023-12-12	2018-05-11	Secure off-chain blockchain transactions	Thomas Trevethan;	Nchain Licensing Ag;
678	11843530	2023-12-12	2022-03-08	System, method, and computer program for unobtrusive propagation of solutions for detected incidents in computer applications	Denis Kuvikov; Andrew Palkin; Vladimir Tkach;	Amdocs Development Limited;
679	11843703	2023-12-12	2019-07-17	Blockchain-based distributed ledgers for image forming apparatuses	Ranjeetha Venkatesh; Sudhindra Venkatesh Kulkarni;	Hewlett-packard Development Company, L.p.;
680	11843751	2023-12-12	2022-01-14	Information processing apparatus, control method, and computer-readable medium for using blockchain to manage electronic data	Mikihiko Kamekawa; Kei Sato;	Canon Kabushiki Kaisha;

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681	11843950	2023-12-12	2021-09-22	Protecting a telecommunications network using network components as blockchain nodes	Ahmad Arash Obaidi;	T-mobile Usa, Inc.;
682	11842335	2023-12-12	2018-11-28	Blockchain communications and ordering	Gilbert Verdian; Colin Paterson; Gaetano Mondelli; Paolo Tasca;	Quant Network Ltd.;
683	11843697	2023-12-12	2017-11-17	Communication device and method using message history-based security key by means of blockchain	Jun Ha Lee; Soo Yong Park; Ji Woo Park; Jin Hwan Lee;	Sogang University Research Foundation;
684	11836071	2023-12-05	2019-12-10	Method and apparatus creating test environments for blockchain systems	Yuki Kondo;	Hitachi, Ltd.;
685	11836130	2023-12-05	2019-10-10	Relational database blockchain accountability	Devon Andrew Beckett; James David Fletcher; Max Hirsch; Vidya Mudalagiri Venkatesha; Alex George;	Unisys Corporation;
686	11836259	2023-12-05	2019-01-16	Blockchain technology for regulatory compliance of data management systems	David Zlotnick; Natali Gaash; Roi Wexler; Aviad Yisrael Gispan; Inbar Helbitz;	Emc IP Holding Company LLC;
687	11836616	2023-12-05	2019-12-04	Auditable privacy protection deep learning platform construction method based on block chain incentive mechanism	Jian Weng; Jiasi Weng; Ming Li; Yue Zhang; Jilian Zhang; Weiqi Luo;	Jinan University;
688	11836656	2023-12-05	2019-09-06	Cognitive enabled blockchain based resource prediction	Zhuo Cai; Bing Xin Wang; Kushal Patel; Sarvesh S Patel;	International Business Machines Corporation;
689	11836714	2023-12-05	2022-04-22	Secure and trustworthy bridge for transferring assets across networks with different data architecture	Michael Edmond Kaplan; Conor Leary; Nicholas Mussallem; Emin Gun Sirer; Bernard Wong;	Ava Labs, Inc.;
690	11836717	2023-12-05	2019-09-11	System and method for processing payments in fiat currency using blockchain and tethered tokens	Vijay Madisetti; Arshdeep Bahga;	
691	11836720	2023-12-05	2018-03-12	Infinitely scalable cryptocurrency system with fast, secure verification	The Pen;	
692	11836721	2023-12-05	2018-06-29	Protection of information in an information exchange	Ned M Smith; Rajesh Poornachandran; Michael Nolan; Simon N Peffers;	Intel Corporation;
693	11836723	2023-12-05	2022-07-19	Blockchain based account funding and distribution	Jacob J Alt; Robert Alpine Jennings; Amber Nelson-Wolfe; Shyam Tummala; Eric Bellas; Jaime Skaggs; Shawn M Call; Melinda Teresa Magerkurth; Vicki King; Charles H Roscow; Scott Shoop; Greg Hayes;	State Farm Mutual Automobile Insurance Company;
694	11836801	2023-12-05	2023-08-02	Systems and methods for administering an exchange traded product (ETP) that operates entirely in cryptocurrency/blockchain	Ophelia Snyder; Hany Rashwan;	Jura Pentium Ag;
695	11836979	2023-12-05	2021-09-14	Method for deploying, creating and certifying virtual presence	Jon N Leonard; David LaMountain;	Arknet Inc.;
696	11837344	2023-12-05	2019-06-28	Systems and methods for securely storing patient information and providing access thereto	Justin Saliman; Jason Hurst; Karthik Karunanithi; Ryan Saliman; Douglas Grim; Darin Feinstein;	Outcomemd, Inc.;
697	11838034	2023-12-05	2023-04-19	System and method for blockchain data compaction	Joshua Cooper; Aliasghar Riahi; Mojgan Haddad; Razmin Riahi; Ryan Kourosh Riahi; Charles Yeomans;	Atombeam Technologies Inc.;
698	11838277	2023-12-05	2021-10-29	Blockchain-based secure, anonymizing message bus	Lon C Lundgren; Eric A Kearns;	Ocelot Technologies, Inc.;
699	11838400	2023-12-05	2019-11-19	Image encoding for blockchain	Gary I Givental; HuyAnh Dinh Ngo; Srinivas Babu Tummalapenta; Aankur Bhatia; Wesley Ali Khademi; Adam Lee Griffin;	International Business Machines Corporation;
700	11838405	2023-12-05	2022-02-04	Blockchain delegation	Zhihong Mao; Tian Chen; Shi Shu;	Arcblock, Inc.;

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701	11838407	2023-12-05	2022-08-29	Computer-implemented systems and methods for using a blockchain to perform an atomic swap	Craig Steven Wright;	Nchain Licensing Ag;
702	11838415	2023-12-05	2022-03-04	Blockchain-implemented method and system	Gavin Allen;	Nchain Licensing Ag;
703	11838420	2023-12-05	2021-12-17	System and method for hierarchical token distribution on blockchain network	Daniel Joseph;	Nchain Licensing Ag;
704	11836743	2023-12-05	2022-02-15	Systems and methods for securing communication data and property using blockchain	Konstantinos Bakalis; Alexandros Bakalis;	
705	11829351	2023-11-28	2019-10-29	High performance distributed system of record with hosted origin services	David C Carver;	Akamai Technologies, Inc.;
706	11829352	2023-11-28	2020-10-26	Double signing protection and prevention in a blockchain computer system	Brandon Waite; Robert Christensen;	Coinbase Crypto Services, Llc.;
707	11829411	2023-11-28	2022-10-03	Data recovery method and apparatus, electronic device, and storage medium	Liangsheng Yuan;	Tencent Technology (shenzhen) Company Limited;
708	11829489	2023-11-28	2020-07-17	Systems and methods for a wearables-based internet-of-things service in an edge-computed blockchain network	Dilip Krishnaswamy; Aayush Bhatnagar; Kanchan Chauhan; Dipender Bhamrah;	Reliance Jio Infocomm Incorporated;
709	11829498	2023-11-28	2021-08-18	Real-time dynamic blockchain securitization platform	Krishna Rangarao Mamadapur; Jigesh Rajendra Safary;	Bank of America Corporation;
710	11829510	2023-11-28	2021-07-23	Secure messaging in a machine learning blockchain network	Victor Bovee Dods; Benjamin James Taylor; William Jack; Leonid Alekseyev;	Ledgerdomain Inc.;
711	11829995	2023-11-28	2022-11-01	Method and system for optimizing blockchain parsing using a wallet's static characteristics	Chandan Garg; Ankur Arora; Aditya Koduri; Anurag Aggarwal;	Mastercard International Incorporated;
712	11829996	2023-11-28	2019-04-25	Hybrid organizational system for data management and tracking	Matthew Lindenberger; Luan Dang;	Phunware, Inc.;
713	11829998	2023-11-28	2017-06-06	Authenticated data feed for blockchains	Fan Zhang; Ethan Cecchetti; Kyle Croman; Ari Juels; Runting Shi;	Cornell University;
714	11830001	2023-11-28	2019-01-25	Blockchain consensus method, accounting node and node	Zhangyong Wei; Li Wang; Kunbiao Lu;	China Unionpay Co., Ltd.;
715	11830004	2023-11-28	2020-11-30	Blockchain transaction safety	David Charles Kuchar; Malcolm Garland;	Strong Force Tx Portfolio 2018, LLC;
716	11830079	2023-11-28	2022-02-28	Evidence oracles	William J Leise; Douglas A Graff; Anthony McCoy; Jaime Skaggs; Shawn M Call; Stacie A McCullough; Wendy H Clayton; Melinda Teresa Magerkurth; Kim E Flesher; Travis Charles Runge;	State Farm Mutual Automobile Insurance Company;
717	11831408	2023-11-28	2019-04-10	Computer-implemented methods and systems for controlling tasks implemented by a cyclically-ordered set of nodes participating in a blockchain network	Daniel Joseph; Silvia Bartolucci; Pauline Bernat;	Nchain Licensing Ag;
718	11831546	2023-11-28	2020-11-13	Relay node, relay network system and operating method thereof	Changhyun Lee;	Electronics and Telecommunications Research Institute;
719	11831628	2023-11-28	2021-02-05	System and methods for IOT security	Amit Biyani; Gunjan Karun;	Smartaxiom, Inc.;
720	11831630	2023-11-28	2022-12-12	Using keys with targeted access to the blockchain to verify and authenticate identity	Lorenz Lee Breu;	Paypal, Inc.;

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721	11831656	2023-11-28	2021-09-20	Providing data authorization based on blockchain	Changzheng Wei; Ying Yan; Hui Zhang; Yujun Peng;	Advanced New Technologies Co., Ltd.;
722	11831660	2023-11-28	2019-02-18	Blockchain-based method and system for handling domain name abuse	Hongtao Li; Yu Zeng; Guanggang Geng; Zhiwei Yan; Kejun Dong; Yong Chen;	China Internet Network Information Center;
723	11831666	2023-11-28	2021-04-09	Blockchain data breach security and cyberattack prevention	Yacov Manevich; Artem Barger; Nitin Gaur; Petr Novotny;	International Business Machines Corporation;
724	11831748	2023-11-28	2017-01-17	Method and system for utilizing the infrastructure of a blockchain to enhance the degree of security and veracity of another blockchain	Justin Fisher; Maxwell Sanchez;	
725	11831749	2023-11-28	2020-04-09	Method and system for utilizing the infrastructure of a blockchain to enhance the degree of reliability of another blockchain	Justin Fisher; Maxwell Sanchez;	Veriblock, Inc.;
726	11831750	2023-11-28	2021-06-09	Method for selecting consensus node using nonce and method and apparatus for generating blockchain using the same	Jin-Tae Oh; Ki-Young Kim; Joon-Young Park;	Electronics and Telecommunications Research Institute;
727	11831761	2023-11-28	2019-07-08	Computer-implemented systems and methods for an accumulator-based protocol for the distribution of tasks across a computer network	Silvia Bartolucci; Pauline Bernat;	Nchain Licensing Ag;
728	11831772	2023-11-28	2019-02-28	Blockchain multi-party shared-governance-based system for maintaining domain name information	Yu Zeng; Hongtao Li; Anlei Hu; Zhiwei Yan; Yanfeng Wang; Douxuan Nan;	China Internet Network Information Center;
729	11831779	2023-11-28	2022-07-18	Decentralized trust using blockchain for tracking and validation of voice communications	Meethil Vijay Yadav; Bradley Wardman; Braden Christopher Ericson;	Paypal, Inc.;
730	11829494	2023-11-28	2021-05-04	Distributed privately subspaced blockchain data structures with secure access restriction management	Jeffrey Schvey; Nadi Sarrar;	Schvey, Inc.;
731	11829942	2023-11-28	2021-03-09	Blockchain enabled transaction processing for an industrial asset supply chain	Walter Charles Yund; Patricia Denise MacKenzie; Joseph James Salvo; John William Carbone; Benjamin Edward Beckmann; Dan Yang; Peter Koudal;	General Electric Company;
732	11819765	2023-11-21	2021-10-29	Systems and methods for transfer of rights pertaining to game assets between users of an online gaming platform	Stephan Cunningham; John Linden;	Mythical, Inc.;
733	11822402	2023-11-21	2021-11-23	Distributed battery management system using blockchain based data storage	Dwaine K Coates; Caitlin Nicole Dillard;	The Boeing Company;
734	11822538	2023-11-21	2020-11-05	Systems and methods of transaction identification generation for transaction-based environment	Baohua Yang;	Oracle International Corporation;
735	11822674	2023-11-21	2020-10-20	Blockchain provenance information for database	Ryan C Marotz; Barry A Trent;	
736	11823088	2023-11-21	2023-05-02	System and method for retrieval and verification of NFT ownership	Benjamin Godlove; Ram Bhaskar; Niveda Krishnamoorthy; Bill Zhu; Alex Miao; Omar Ceja; Josh Zhang; Andrew Yang;	Alchemy Insights, Inc.;
737	11823112	2023-11-21	2022-02-21	Fleet trigger-based incentives with blockchain	Abraham Mezaael; Thomas Woloszyn; Shaheer Ahmed;	Ford Global Technologies, LLC;
738	11823120	2023-11-21	2019-12-13	System or method of verifying an asset using blockchain and collected asset and device information	Prithvi Krishnan Padmanabhan;	Salesforce, Inc.;
739	11823141	2023-11-21	2017-06-16	Blockchain network interaction controller	Quan Wang;	Visa International Service Association;
740	11823177	2023-11-21	2021-11-25	Smart contract of a blockchain for management of cryptocurrencies	Eyal Hertzog; Yehuda Levi; Barak Manos; Asaf Shachaf; Guy Ben Artzi;	Bprotocol Foundation;

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741	11823178	2023-11-21	2017-11-17	Optimization of high volume transaction performance on a blockchain	Konstantinos Christidis; Nitin Gaur; Yun Wang;	International Business Machines Corporation;
742	11823283	2023-11-21	2023-01-30	Systems and methods for maintaining a distributed ledger pertaining to autonomous vehicles	Matthew L Floyd; Alvin Hon-Wai Yu; Antwuan Murphy; Brittney Benzio; Lindsi Brantley; Matthew S Delaney; Matthew Vulich; Matthew S Rodriguez; Neha Goel; Sabrina Collins; Annie Pudlo Murillo;	State Farm Mutual Automobile Insurance Company;
743	11823372	2023-11-21	2020-04-12	Delivery package damage detection using photogrammetry models	Andrea Young; John Kaufmann; Borja Canseco;	International Business Machines Corporation;
744	11823531	2023-11-21	2022-05-04	Proof of play blockchain mining	William Blake Copeland;	Gad Research, LLC;
745	11824648	2023-11-21	2022-11-08	System and method for verifying and providing compensation for participation in real-time streaming of multimedia over a decentralized network	Chris Allen; Davide Lucchi; Paul Gregoire, Jr;	Infrared5, Inc.;
746	11824706	2023-11-21	2021-08-16	Determining blockchain ledger indicates notification availability for an application	Axel Simon;	Red Hat, Inc.;
747	11824842	2023-11-21	2021-03-18	Computer method for secure disclosure of information	Timothy M Londergan; Carlos W Korten; Christopher A Wiklof;	Abaxx Technologies Corp.;
748	11824864	2023-11-21	2019-04-30	Systems, methods, and apparatuses for implementing a declarative and metadata driven blockchain platform using distributed ledger technology (DLT)	Prithvi Krishnan Padmanabhan; Bertha Ching Wai Lam; Brent Fosdick; Sri Naga Deepthi Velisetti;	Salesforce, Inc.;
749	11824970	2023-11-21	2021-01-20	Systems, methods, and apparatuses for implementing user access controls in a metadata driven blockchain operating via distributed ledger technology (DLT) using granular access objects and ALFA/XACML visibility rules	Prithvi Krishnan Padmanabhan;	Salesforce, Inc.;
750	11824978	2023-11-21	2022-05-24	Cryptographic key generation system and method	Quan Wang;	Visa International Service Association;
751	11824987	2023-11-21	2021-12-07	Using capstone blocks in a blockchain with a trusted authority	Douglas Max Grover;	Micro Focus Lcc;
752	11824989	2023-11-21	2021-06-17	Secure onboarding of computing devices using blockchain	Ramani Panchapakesan; Ramanandan Nambannor Kunnath; Erich Stuntebeck;	Vmware, Inc.;
753	11824991	2023-11-21	2020-07-27	Securing transactions with a blockchain network	Michael Stephen Fiske;	Biogy, Inc.;
754	11825001	2023-11-21	2021-09-02	Numerical value ranking method and apparatus based on blockchain	Zhenyao Qiu; Yang Yang; Zhou Chen; Zili Huang; Lu Xiong;	China Unionpay Co., Ltd.;
755	11816011	2023-11-14	2020-12-21	Computerized method and system for validating a computing infrastructure by mining	Guillaume Faure; Alain Massiot;	Bull Sas;
756	11816021	2023-11-14	2022-12-22	System and method for intelligent testing of blockchain applications using a shadow system	Peter Ro; Ryan Oblak; Elakian Kanakaraj; Steven Yang;	Alchemy Insights, Inc.;
757	11816069	2023-11-14	2020-07-27	Data deduplication in blockchain platforms	Krishnasuri Narayanam; Ken Kumar; Akshar Kaul; Pankaj S Dayama;	International Business Machines Corporation;
758	11816087	2023-11-14	2022-07-12	Method and system for blockchain monitoring	Vivekanand Ramgopal; Malini Raman; Ashok Seshadri; Santhana Krishnan Trichy Nallusamy;	Tata Consultancy Services Limited;
759	11816251	2023-11-14	2021-04-28	Method for managing data asset in data bank and data bank system	Jilong Wang; Qianli Zhang;	Tsinghua University;
760	11816453	2023-11-14	2020-12-14	Smart contract blockchain abstraction API	Michael D Dowling;	Wells Fargo Bank, N.a.;

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761	11816475	2023-11-14	2021-07-09	Installation and authentication of applications using blockchain	Michael F Angelo; Douglas Max Grover;	Micro Focus Lcc;
762	11816625	2023-11-14	2022-02-16	System and method for forecasting deliveries via blockchain smart contracts using hyperspectral computer vision	Tarun Dasari; Aditya Reddy Cheruku; Anand Banik; Sumanth B Talasila; Kishore P Sasthiri; Murthy N Kolluru;	Walmart Apollo, LLC;
763	11816642	2023-11-14	2018-03-20	Blockchain digital currency: systems and methods for use in enterprise blockchain banking	Steven Victor Wasserman;	
764	11816649	2023-11-14	2020-11-18	Method and system for protecting intellectual property rights on digital content using smart propertization	Nam Yong Lee; Chul Soo Kim; Jinhong Yang;	Inje University Industry-academic Cooperation Foundation;
765	11816662	2023-11-14	2019-12-06	Method and system for enabling communication between blockchains on heterogeneous blockchain networks	Sarala Buradagunta; Rakesh Yadav; Dmytro Kryvoshei; Steven C Davis; Sébastien Le Callonnec;	Mastercard International Incorporated;
766	11816664	2023-11-14	2018-10-30	Computer network systems administering cryptographically-secured, token-based substitution management and methods of use thereof	Vijay Mayadas; John Garahan; Horacio Barakat; Hrishikesh Nashikkar; Kishore Seshagiri;	Broadridge Financial Solutions, Inc.;
767	11816732	2023-11-14	2023-03-28	Generation of live market data for decentralized systems from transaction data extracted from a blockchain	Anastasia Melachrinos; Alexander Coenegrachts;	Challenger Deep Sas;
768	11816733	2023-11-14	2019-12-18	Tokenization of social impact on the blockchain and related methods	Rebecca Brachman;	The Joan and Irwin Jacobs Technion-cornell Institute;
769	11816749	2023-11-14	2023-03-06	Estate planning and beneficiary management system including digital assets	Sean Foote; Azaz Ahmed;	Legacy Suite Inc;
770	11818142	2023-11-14	2021-08-24	Distributed data authentication and validation using blockchain	Nagendra Kumar Nainar; Carlos M Pignataro; Luca Muscariello; Alberto Compagno; Giovanna Carofiglio;	Cisco Technology, Inc.;
771	11818206	2023-11-14	2023-03-10	Visibility of digital assets at channel level	Nitin Gaur; Petr Novotny; Jeronimo Irazabal; Timothy Olson;	International Business Machines Corporation;
772	11818207	2023-11-14	2022-07-08	Methods and systems for ledger based content delivery using a mobile edge computing (MEC) server	Lyle W Paczkowski; George Jason Schnellbacher;	T-mobile Innovations LLC;
773	11818246	2023-11-14	2020-12-04	Blockchain data structures and systems and methods therefor for multipath transaction management	James Taylor; Conor Haegley; Joseph Lawn;	
774	11818247	2023-11-14	2022-04-07	Systems and methods for providing provenance and anti-counterfeiting of a part using blockchain technology	Lisa Estipona Butters; Sujay Rao; Satyanarayan Kar;	Honeywell International Inc.;
775	11818269	2023-11-14	2022-06-06	Computer-implemented system and method providing a decentralised protocol for the recovery of cryptographic assets	John Fletcher; Silvia Bartolucci;	Nchain Licensing Ag;
776	11818271	2023-11-14	2018-10-10	Linking transactions	Andrey Lvovich Chmora; Roman Anatolievich Nekrasov; Igor Sergeevich Bityutskikh;	"enkri Holding", Limited Liability Company;
777	11818409	2023-11-14	2022-08-04	Content condition applicability via non-fungible tokens	Cara Weikel; Judith Rodriguez; Clayton Johnson; Andre Young;	Capital One Services, LLC;
778	11808713	2023-11-07	2021-07-30	System for detecting pathogens in products	Wolfgang Richter; Faranak Zadeh;	Epic Semiconductors Inc;
779	11809159	2023-11-07	2021-01-15	Managing blockchains in an industrial facility based on firmware change	Tim S Biernat; Juergen K Weinhofer; Sharath Chander Reddy Baddam; Douglas J Reichard; Subbian Govindaraj;	Rockwell Automation Technologies Incorporated;
780	11809409	2023-11-07	2018-12-20	Multi-tenant distributed ledger interfaces	Sri Naga Deepthi Velisetti; Prithvi Krishnan Padmanabhan;	Salesforce, Inc.;

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781	11809415	2023-11-07	2022-03-25	Method and system for data localization-compliant blockchain processing and storage	Jaipal Singh Kumawat; Gurpreet Atwal; Chandan Garg;	Mastercard International Incorporated;
782	11809551	2023-11-07	2021-12-13	Highly scalable permissioned block chains	Venkata Siva Vijayendra Bhamidipati; Ashok Srinivasa Murthy; Derek Chamorro; Michael Chan; Arpit Jain;	Ebay, Incorporated;
783	11809575	2023-11-07	2023-04-25	Platform and method for assessment and verification of Software Bill of Materials (SBOM) and vulnerabilities across a software supply chain life cycle using blockchain	Ashok Reddy; Robert Kent Lamb; Shoeb Javed;	Cryptosoft Inc.;
784	11809896	2023-11-07	2019-05-24	Anomalous transaction commitment prevention for database	Salman Abdul Baset; Qi Zhang; Petr Novotny;	International Business Machines Corporation;
785	11810018	2023-11-07	2018-05-14	Secure provision of undetermined data from an undetermined source into the locking script of a blockchain transaction	Ying Chan; Dean Kramer;	Nchain Licensing Ag;
786	11810023	2023-11-07	2018-10-22	System and method for a transportation or freight capacity exchange for one or more transportation or freight capacity units	Erik M Simpson;	Circlesx LLC;
787	11810103	2023-11-07	2022-05-23	Custom mempool protocol associated with processing of cryptographic events	Sheldon Bennett; Adrian Glover;	Dmg Blockchain Solutions, Inc.;
788	11810104	2023-11-07	2022-05-18	Method and system for management of game tokens	Enrique Benavides; Joel Pedroche; Yasin Hatibi;	
789	11810162	2023-11-07	2022-08-22	Systems and methods for using smart contracts to control the trade, supply, manufacture, and distribution of commodities	Joseph D Preston; Dan Alan Preston; Trinitie Marie Vance; Brett C Simpson; Peter Albert Madakson; William R Rieger;	Clarovia Holdings, LLC;
790	11810183	2023-11-07	2020-02-19	Systems and methods for asset sharing using distributed ledger techniques	Thomas Wayne Schwarz, Jr; Snehal Desai; Nolan Serrao; Jeanie Graciela Lopez; Jennifer Hunt Erickson; Bharat Prasad; Yevgeniy Viatcheslavovich Khmelev; Joel S Hartshorn;	United Services Automobile Association (usaa);
791	11810189	2023-11-07	2022-11-14	Blockchain systems and methods for managing property loan information	Lokesh Awasthy;	State Farm Mutual Automobile Insurance Company;
792	11810190	2023-11-07	2020-03-27	Systems and methods for administering an exchange traded product (ETP) that operates entirely in cryptocurrency/blockchain	Ophelia Snyder; Hany Rashwan;	Jura Pentium Ag;
793	11810676	2023-11-07	2018-11-26	Verified permissioned blockchains	Bishop C Brock; Frank Liu; Thomas S Hubregtsen;	International Business Machines Corporation;
794	11811865	2023-11-07	2021-04-08	Blockchain declarative descriptor for cross-network communication	Chander Govindarajan; Bishakh Chandra Ghosh; Nitin Gaur; Venkatraman Ramakrishna; Dushyant K Behl; Petr Novotny;	International Business Machines Corporation;
795	11811866	2023-11-07	2023-01-19	Computer-implemented system and method for controlling processing steps of a distributed system	Daniel Joseph;	Nchain Licensing Ag;
796	11811910	2023-11-07	2021-02-03	Blockchain maintenance method and apparatus, server, and computer-readable storage medium	Yu Zhang; Lei Wang; Lipeng Hao; Ziyi Zhang;	Huawei Cloud Computing Technologies Co., Ltd.;
797	11811911	2023-11-07	2021-07-02	Method and system for partitioned blockchains and enhanced privacy for permissioned blockchains	Steven C Davis;	Mastercard International Incorporated;
798	11811912	2023-11-07	2022-04-04	Cryptographic algorithm status transition	Phillip H Griffin; Jeffrey J Stapleton;	Wells Fargo Bank, N.a.;
799	11811914	2023-11-07	2022-01-20	Blockchain-based digital rights management	Eric Diehl;	Sony Group Corporation; Sony Pictures Entertainment, Inc.;
800	11811930	2023-11-07	2021-08-31	Authentication of communication session participants using blockchain	Michal Aichinger;	Microsoft Technology Licensing, LLC;

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801	11811933	2023-11-07	2020-11-25	System and method for fair, secure n-party computation using at least one blockchain	Ranjit Kumar Kumaresan; Srinivasan Raghuraman; Rohit Sinha;	Visa International Service Association;
802	11811942	2023-11-07	2019-03-05	Blockchain-implemented methods and systems for authorisation based on bilinear map accumulators	Silvia Bartolucci; Pauline Bernat;	Nchain Licensing Ag;
803	11811945	2023-11-07	2020-03-26	Blockchain identities	Jason Shubrook;	Tollen Software Limited;
804	11811949	2023-11-07	2021-11-07	File validation using a blockchain	Gregory J Alger; Duane R Wald; Andrew Mintner; Donald Grant Peterson; Taiga Matsumoto; Damon Dean; Drew Ashlock;	Docusign, Inc.;
805	11811955	2023-11-07	2022-12-23	Systems and methods for improving reliability in blockchain networks using sharding	Noam Hurwitz; David Philipson; Deepak Bansal;	Alchemy Insights, Inc.;
806	11811956	2023-11-07	2022-09-22	Blockchain-based supervision system of hazardous chemical production	Xiao Luo; Xiji Cheng; Jian Zhao; Zhiwen Zhang; Saiwei Song;	Hangzhou Vastchain Technology Co., Ltd;
807	11812085	2023-11-07	2021-10-22	Live voice and media publishing and distribution platform	Ian Matthew Utile;	Attn.live LLC;
808	11812451	2023-11-07	2019-06-25	Vehicle component usage	Clifford Anthony Bailey; Sujitha Krishna Devaraj; Josh Fodale; Robert Hinh; Adrian Kalinowski; Rafi Odisho;	Ford Global Technologies, LLC;
809	11810080	2023-11-07	2019-07-23	Systems and method for tracking enterprise events using hybrid public-private blockchain ledgers	Jenny Lin; Perry Aaron Jones Haldenby; John Jong Suk Lee; Paul Mon-Wah Chan; Orin Del Vecchio;	The Toronto-dominion Bank;
810	11803417	2023-10-31	2022-01-07	Methods and systems for improving hardware resiliency during serial processing tasks in distributed computer networks	Sanjay Kumar Stribady; Saket Sharma; Gursel Taskale;	The Bank of New York Mellon Corporation;
811	11803447	2023-10-31	2021-06-14	Transaction processing method, apparatus, and electronic device for blockchain	Kang Li; Fuxi Deng;	Alipay (hangzhou) Information Technology Co., Ltd.;
812	11803461	2023-10-31	2020-09-03	Validation of log files using blockchain system	Rajkumar Kannan; Aruna Srinivasa Murthy;	Hewlett Packard Enterprise Development LP;
813	11803537	2023-10-31	2020-01-30	Systems, methods, and apparatuses for implementing an SQL query and filter mechanism for blockchain stored data using distributed ledger technology (DLT)	Prithvi Krishnan Padmanabhan;	Salesforce, Inc.;
814	11803619	2023-10-31	2021-11-18	Systems and methods of digital content certification and verification using cryptography and blockchain	Akbar Ansari; Thomas Fay; Adnan Ali Lone;	Nasdaq, Inc.;
815	11803649	2023-10-31	2021-12-13	Fast access to a data resource update in a blockchain network	Ian Holsman; Bartow Wyatt;	Bullish Global;
816	11803651	2023-10-31	2018-12-19	Dynamically generated smart contracts	Kumarappan Palaniappan; Valentin Bercovici;	Pencildata, Inc.;
817	11803664	2023-10-31	2019-04-26	Distributed application architectures using blockchain and distributed file systems	Dmytro Semenov; Mahesh Kumar Dathrika; Michael Rawlings; Dylan Nelson Jamie Piercey;	Ebay, Incorporated;
818	11803823	2023-10-31	2021-11-29	Systems and methods for blockchain-based payment transactions, alerts, and dispute settlement, using a blockchain interface server	Ramesh Vijayaraghavan;	Worldpay Limited;
819	11803843	2023-10-31	2021-08-18	Artwork transaction method and artwork transaction apparatus and computer program therefor	Joss Daniel Giffard-Burley;	Wacom Co., Ltd.;
820	11803844	2023-10-31	2021-12-06	Multi-party computation in a computer sharding environment	Hubert Andre Le Van Gong; Jinesh Patel;	Paypal, Inc.;

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821	11803847	2023-10-31	2018-07-20	Secure control of transactions using blockchain	David John Kamalsky; Vidit Aggarwal; Seyed-Mahdi Pedramrazi; Ethan Benjamin Rubinson; Sachin Tilloo; Sergio Pinzon Gonzales, Jr;	Ebay, Incorporated;
822	11803857	2023-10-31	2022-01-06	Method and system for implementing chargebacks on a distributed ledger system	Dennis Michael Kennedy; Michael L Grazio;	Mastercard International Incorporated;
823	11803904	2023-10-31	2021-10-20	Smart device and tracking system	Chee Kean Lim; Kia Boon Chew; Yihang Huang; Heng Wee Chin; Hian Leong Ong; Eng Guan Ng;	Ascent Solutions Pte Ltd; 1citadel Pte. Ltd.;
824	11803923	2023-10-31	2019-09-04	Blockchain-based system and method for purchase document transformation and accountability	Edward Wu; Guy Gal; Christopher Dzoba; Jeffrey Judkins; Mark J Stefik; Adriano Castro;	Side, Inc.;
825	11804950	2023-10-31	2022-12-06	Parallel processing of blockchain procedures	Qi Zhang; Petr Novotny; Lei Yu;	International Business Machines Corporation;
826	11804965	2023-10-31	2021-04-14	Connecting configuration services using blockchain technology	Ashish Kumar Palo; Sathish Kumar Bikumala;	Emc IP Holding Company LLC;
827	11805126	2023-10-31	2022-01-19	System and method for directives based mechanism to orchestrate secure communications in multi-cloud distributed systems	Raghunathvenkata Ramana Thummisi; Roopa Nagaraju;	
828	11804963	2023-10-31	2021-04-29	System and method for permissioned blockchain access into a computing network	Oluwanifemi Oluyemi; Chuan Ran; Vamsee Movva; A Jaylani Sharif;	International Business Machines Corporation;
829	11793725	2023-10-24	2022-05-09	Smart dispensing system	Yale Badik; Deanna Felker;	Kure, LLC;
830	11794763	2023-10-24	2020-12-17	Systems and methods for providing driver alerts inside a neighborhood	Mahmoud Yousef Ghannam; Brian Bennie;	Ford Global Technologies, LLC;
831	11797278	2023-10-24	2018-07-05	Method for compiling from a high-level scripting language to a blockchain native scripting language	Craig Steven Wright; Stephane Savanah;	Nchain Licensing Ag;
832	11797365	2023-10-24	2022-12-19	Computerized systems and methods for configuration of network interfaces of a distributed network	Eric Couillard; Sanjaya Kulkarni; Sanjay Deshpande;	Tassat Group Inc.;
833	11797655	2023-10-24	2019-07-18	Transferring a domain name on a secondary blockchain market and in the DNS	Andrew Kaizer; Swapneel Sheth;	Verisign, Inc.;
834	11797666	2023-10-24	2022-11-14	Secure environment public register (SEPR)	Robert William Kocher; Douglas Earl Dyer; John Shelly Bowling, II;	Ideal Innovations Incorporated;
835	11797698	2023-10-24	2020-06-15	Decentralized consent network for decoupling the storage of personally identifiable user data from user profiling data	Dashiell Lavine; Paul Lawbaugh; Cian Montgomery;	Concord Technologies Inc.;
836	11797866	2023-10-24	2018-07-18	Systems and methods for accelerating execution of processes based on artificial intelligence (AI) prediction of blockchain consensus	Daniel Thomas Harrison; Michael Salem;	Salesforce.com, Inc.;
837	11797930	2023-10-24	2020-11-30	System and method for securing data through proctored working environment	Giridhara Padmanabha Rao Madakashira;	Virtusa Corporation;
838	11797955	2023-10-24	2021-07-02	Stablecoin as a medium of exchange on a blockchain-based transaction network	John Gregory Anderson; Charles Henry Uchill; Sean McNamara;	Ceres Coin LLC;
839	11797957	2023-10-24	2019-05-29	Software system that enables instant disbursment of funds between payers and payees	Richard Jackman; Romi Kohli; Simarpreet Singh;	Fintainium, Inc.;
840	11797985	2023-10-24	2020-10-22	Value transfer method, apparatus, and system	Ning Guo Chen; Jian Wei Deng; An Qun Pan; Qiang Fei;	Tencent Technology (shenzhen) Company Limited;

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841	11797986	2023-10-24	2022-08-05	Smart contract optimization for multiparty services and product offerings including derivatives	Vijay Madisetti; Arshdeep Bahga;	
842	11797987	2023-10-24	2019-04-18	Blockchain transaction processing	Jianliang Gu; Bin Qian; Ziheng Zhou;	Vechain Foundation Limited;
843	11797988	2023-10-24	2019-04-18	Transaction processing	Jianliang Gu; Bin Qian; Ziheng Zhou;	Vechain Foundation Limited;
844	11797995	2023-10-24	2017-12-04	Method and system for risk scoring anonymized transactions	Ankur Arora; Shashank Kumar Trivedi; Amit Gupta;	Mastercard International Incorporated;
845	11797998	2023-10-24	2022-06-29	System, method, and computer program product for fraud management with a shared hash map	Gaurav Srikant Mokhasi;	Visa International Service Association;
846	11798008	2023-10-24	2022-02-25	Blockchain-based product authentication system	Thomas Chen; Jonathan Ko;	Touch Point Worldwide, Inc.;
847	11798050	2023-10-24	2022-06-30	Managing blockchain-based trustable transaction services	Qisheng Ma; Feifei Jin; Xuan Tao;	Alipay (hangzhou) Information Technology Co., Ltd.;
848	11798073	2023-10-24	2020-04-16	Blockchain digital cryptocurrency loan system	Maurice Vanegas; Isaac Vanegas; Pranay Bhattacharyya;	
849	11798359	2023-10-24	2021-09-21	Blockchain-based smart contract instant lottery ticket	Gianluca Ragnoni; Fabrizio Battini; Emanuele Martire; Thomas K Oram;	Igt Global Solutions Corporation;
850	11799630	2023-10-24	2018-05-09	Method and device for blockchain nodes	Yan Zhang; Yi Shi;	Hefei Dappworks Technology Co., Ltd.;
851	11799631	2023-10-24	2022-03-08	Privacy optimized data mining system and methods	Will Ragan; Jack Ragan;	
852	11799637	2023-10-24	2021-10-22	Methods and systems for blockchain-implemented event-lock encryption	John Fletcher;	Nchain Licensing Ag;
853	11799659	2023-10-24	2019-05-24	Method, architecture and devices for the realization of an encrypted communication protocol of encrypted data packets named 'Transport Encrypted Protocol' (TEP)	Gabriele Edmondo Pegoraro;	
854	11799660	2023-10-24	2021-09-29	Optimizations for verification of interactions system and method	Mahdi Zamani; Lucianna Kiffer; Karl Benedikt Bunz; Loi Luu;	Visa International Service Association;
855	11799668	2023-10-24	2022-04-29	Electronic identification verification methods and systems with storage of certification records to a side chain	Armin Ebrahimi; Gaurav Khot; Vladimir Reshetnikov; Robert Gadbois;	Ping Identity Corporation;
856	11799911	2023-10-24	2021-02-26	Systems and methods for security protocol execution in a hierarchical state machine-driven execution plan	Ned Smith;	Intel Corporation;
857	11799920	2023-10-24	2023-03-09	Uninterrupted VR experience during customer and virtual agent interaction	Sanjeeva Karna Kammara; Venkatrao Meenavalli; John Dinakar Iruvanti;	Bank of America Corporation;
858	11789703	2023-10-17	2021-10-25	Blockchain-based source code modification detection and tracking system and method for artificial intelligence platforms	Hearsch Jariwala;	
859	11789767	2023-10-17	2022-05-27	Cooperative cloud infrastructure using blockchains for hardware ownership and access	Jay Vyas; Huamin Chen;	Red Hat, Inc.;
860	11789829	2023-10-17	2021-04-27	Interprocess communication for asynchronous tasks	Christian Bartram; Connor Cason; Yvette White;	Capital One Services, LLC;

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861	11789929	2023-10-17	2021-01-21	Method, apparatus, device and medium for performing review based on blockchain	Bo Jing;	Baidu Online Network Technology (beijing) Co., Ltd.;
862	11789937	2023-10-17	2022-01-28	Method and apparatus for exchanging data between blockchain system and non-blockchain system	Chan Fai Lam; Tin Lung Wong; Wei Lun Alan Cheung;	Hong Kong Applied Science and Technology Research Institute Company, Limited;
863	11790077	2023-10-17	2021-06-03	Methods, mediums, and systems for establishing and using security questions	Vincent Pham; Austin Grant Walters; Jeremy Edward Goodsitt; Fardin Abdi Taghi Abad; Anh Truong; Kate Key; Kenneth Taylor;	Capital One Services, LLC;
864	11790096	2023-10-17	2021-04-12	Tokenizing digital assets with restrictions on a blockchain	Philip Scott Lyren;	
865	11790097	2023-10-17	2021-04-21	Systems and methods to track, store, and manage events, rights, and liabilities	Gopinath Rangan; John C Hopkins, III;	United Services Automobile Association (usaa);
866	11790317	2023-10-17	2019-12-05	System, device, and process for tracking product	Guilda Javaheri;	Golden State Foods Corporation;
867	11790334	2023-10-17	2022-12-28	Blockchain supported resource transfer communication protocol	Rebecca Corcillo; Emily Chiu; Moiz Jangda; Megan Coleman; Tianlong Yun;	Block, Inc.;
868	11790353	2023-10-17	2022-01-05	System and method for online/offline payment with virtual currency for nodes included in mobile-based blockchain distributed network	Song Hwan Kim;	
869	11790360	2023-10-17	2023-03-14	Multi-actor transaction simulation in a blockchain network	Abbas Abou Daya;	Gearlay Technologies Inc.;
870	11790370	2023-10-17	2020-11-16	Techniques for expediting processing of blockchain transactions	Jordan Simons;	Americorp Investments LLC;
871	11790418	2023-10-17	2022-04-14	Impact retail hub	Asher Jay; David Householter; Ivett Cser;	Hive and Hamlet Inc.;
872	11790427	2023-10-17	2022-11-15	Distributed database structures for anonymous information exchange	Jordi de Vos; Mesbah Sabur; Pietro Pasotti; Kaj Oudshoorn; Jelle Dirk Licht;	Circularise B.v.;
873	11790444	2023-10-17	2020-08-24	Systems and methods for distributed encoding and global exchange architecture	Miera Rechtschaffen; Alan Rechtschaffen;	Ramsee 1, LLC;
874	11790460	2023-10-17	2020-04-08	Blockchain event logging between companies	Ian Beaver;	Verint Americas Inc.;
875	11790786	2023-10-17	2022-11-28	Airspace management system for an airspace region	Jeffrey Bosworth;	Textron Innovations Inc.;
876	11791982	2023-10-17	2021-05-24	Concurrent transaction processing in a high performance distributed system of record	David C Carver; Leen Khalid A Al Shenibr; Vladimir Shtokman;	Akamai Technologies, Inc.;
877	11791983	2023-10-17	2021-09-21	Blockchain foundry built into integrated circuit	Ronald R Marquardt; Lyle W Paczkowski; Ivo Rook;	T-mobile Innovations LLC;
878	11791987	2023-10-17	2021-10-15	Content validation using blockchain	Pamela Rice;	Capital One Services, LLC;
879	11791990	2023-10-17	2021-05-24	Apparatus and method for managing personal information	Seok-Hyun Kim; Young-Seob Cho; Geon-Woo Kim; Soo-Hyung Kim; Young-Sam Kim; Jong-Hyouk Noh; Kwan-Tae Cho; Sang-Rae Cho; Jin-Man Cho; Seung-Hun Jin;	Electronics and Telecommunications Research Institute;
880	11792006	2023-10-17	2020-10-01	Method and apparatus for electing representative node device, computer device, and storage medium	Rui Guo; Maocai Li; Zongyou Wang; Haitao Tu; Li Kong; Kaiban Zhou; Changqing Yang; Nan Wang; Yong Ding; Yifang Shi;	Tencent Technology (shenzhen) Company Limited;

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881	11792017	2023-10-17	2022-11-14	Systems and methods of secure provenance for distributed transaction databases	Alex Zinder;	Nasdaq, Inc.;
882	11792022	2023-10-17	2020-02-21	Resolution of conflicting data	Krishna Chaitanya Ratakonda; Ashish Jagmohan;	International Business Machines Corporation;
883	11792136	2023-10-17	2022-06-30	Systems and methods for blockchain network optimization	Yao Ma; Ziqiang Liu; Indra Rustandi;	Coinbase, Inc.;
884	11792280	2023-10-17	2022-12-16	Provenance audit trails for microservices architectures	Rajesh Poornachandran; Vincent Zimmer; Subrata Banik; Marcos Carranza; Kshitij Arun Doshi; Francesc Guim Bernat; Karthik Kumar;	Intel Corporation;
885	11792323	2023-10-17	2023-01-11	System and method for user, device, and transaction authentication utilizing smart contracts	Matthew DiMaria; Shannon Lekas; Kurt Nelson; Nicholas James Kennedy; Robert Harpley;	Virtual Hold Technology Solutions, LLC;
886	11792173	2023-10-17	2022-01-06	Methods and devices for increasing entropy of a blockchain using blinded outcome diversification	Silvia Bartolucci; Pauline Bernat; Daniel Joseph; Craig Steven Wright;	Nchain Licensing Ag;
887	11782793	2023-10-10	2022-05-10	Blockchain-based data snapshot method and apparatus, and computer-readable storage medium	Maocai Li; Changqing Yang; Kaiban Zhou; Qucheng Liu; Gengliang Zhu; Jinsong Zhang; Huankun Huang;	Tencent Technology (shenzhen) Company Limited;
888	11782899	2023-10-10	2020-11-30	System and method for electronic document issuing using blockchain and computer program for the same	Young Shin Kim;	Gractor Co., Ltd.; Korea Energy Convergence Association;
889	11782902	2023-10-10	2017-07-07	System, method, and apparatus for implementing a blockchain-based rewards network	Anil Somani; Mohamed Nosseir;	Visa International Service Association;
890	11782904	2023-10-10	2021-10-07	Advanced smart contract with decentralized ledger in a multi-tenant environment	Prithvi Krishnan Padmanabhan; Sri Naga Deepthi Velisetti; Philip Norman Calvin; Brent Fosdick;	Salesforce, Inc.;
891	11783011	2023-10-10	2023-03-13	Asset metadata oracle service for facilitating digital asset trading	Alexander Lipton; Marsha Lipton; Thomas P Hardjono;	Numéraire Financial, Inc.;
892	11783024	2023-10-10	2020-01-30	Systems, methods, and apparatuses for protecting consumer data privacy using solid, blockchain and IPFS integration	Prithvi Krishnan Padmanabhan;	Salesforce, Inc.;
893	11783221	2023-10-10	2019-05-31	Data exposure for transparency in artificial intelligence	Craig M Trim; Michael Bender; Martin G Keen; Sarbajit K Rakshit;	International Business Machines Corporation;
894	11783321	2023-10-10	2018-04-11	Computer-implemented system and method for performing transaction mixing on a blockchain	Daniel Joseph; Craig Steven Wright;	Nchain Licensing Ag;
895	11783324	2023-10-10	2020-10-30	Resource sharing method, apparatus, and device	Huanmi Yin; Feng Lin; Guofei Jiang; Jun Wu;	Advanced New Technologies Co., Ltd.;
896	11783330	2023-10-10	2021-10-22	System and method for processing secure transactions using account-transferable transaction cards	Austin Walters; Vincent Pham; Jeremy Goodsitt;	Capital One Services, LLC;
897	11783339	2023-10-10	2021-06-29	Methods and apparatuses for transferring transaction based on blockchain integrated station	Zongru Zhan; Jiang Wang; Xiaoli Liu; Zheng Cao; Fuxi Deng; Chao Zeng;	Alipay (hangzhou) Information Technology Co., Ltd.;
898	11783425	2023-10-10	2021-04-23	Blockchain subrogation payments	Jaime Skaggs; Shawn M Call; Eric Bellas; Douglas A Graff; William J Leise; Vicki King; Jacob J Alt; Eric R Moore; Stacie A McCullough;	State Farm Mutual Automobile Insurance Company;
899	11783672	2023-10-10	2022-08-24	System and methods for operating a casino loyalty computer system to display images of non-fungible tokens associated with blockchain transactions on gaming devices	Tom Mikulich; Pat Gordon; Jon Von Tobel; William Chad Little;	Station Casinos, Inc.;
900	11784788	2023-10-10	2020-09-01	Identity management method, device, communications network, and storage medium	Yizhen Wu; Yada Huang; He Guan;	Huawei Technologies Co., Limited;

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901	11784789	2023-10-10	2021-04-30	Distributed platform for computation and trusted validation	Ravi Kiran Raman; Kush R Varshney; Roman Vaculin; Michael Hind; Sekou L Remy; Eleftheria K Pissadaki; Nelson K Bore;	International Business Machines Corporation;
902	11784791	2023-10-10	2022-02-17	Verifying an identity based on multiple distributed data sources using a blockchain to safeguard the identity	Sri Krishnamacharya; Quang Le; Stan Tigrett; Russ Ayres;	Equifax Inc.;
903	11784795	2023-10-10	2022-03-08	Post-quantum blockchain system and methods	Will Ragan; Jack Ragan;	
904	11784796	2023-10-10	2023-01-25	Enhanced post-quantum blockchain system and methods including privacy and block interaction	William Perry Ragan; Jack Ragan;	
905	11784824	2023-10-10	2021-05-28	Secure ledger assurance tokenization	Phillip H Griffin; Jeffrey J Stapleton;	Wells Fargo Bank, N.a.;
906	11784829	2023-10-10	2022-06-23	Phytosanitary treatment blockchain	Dennis John Glennon;	
907	11784836	2023-10-10	2022-09-06	Permissible code analysis	John Christopher Muddle; Jeremy Taylor;	Via Science, Inc.;
908	11785021	2023-10-10	2019-11-11	Systems and methods for facilitating detection of a security event associated with an IoT device	Jan-Robin Gerards; Dustin Goodwin;	
909	11785079	2023-10-10	2021-06-16	Free storage protocol for blockchain platform	Saswata Basu; Thomas Howard Austin;	0chain Corp.;
910	11785080	2023-10-10	2022-01-26	Decentralized ledger system and method for enterprises	Maher N Kaddoura;	Architecture Technology Corporation;
911	11785143	2023-10-10	2023-01-31	System and method for secure storage and management of transitory data using a blockchain	Matthew DiMaria; Shannon Lekas; Daniel Bohannon;	Virtual Hold Technology Solutions, LLC;
912	11785466	2023-10-10	2022-10-07	Method and system for IoT code and configuration using smart contracts	Rose M Smith; Samuel F Smith; Clyde C Smith;	
913	11783342	2023-10-10	2019-07-09	Blockchain blacklist anti-money laundering system (BBAMLS)	Phillip H Griffin;	Wells Fargo Bank, N.a.;
914	11783346	2023-10-10	2017-08-31	Blockchain enabled collaborative transaction information processing for a supply chain	Peter Koudal; Benjamin Edward Beckmann; Annarita Giani; John William Carbone; Joseph Salvo; Junrong Yan; Dan Yang; Patricia MacKenzie; Walter Yund;	General Electric Company;
915	11774937	2023-10-03	2019-11-19	Product procurement with automated qualification	Robert M Irwin; Kenneth Allen Hartsock;	The Boeing Company;
916	11775285	2023-10-03	2020-09-17	System and method for managing a public software component ecosystem using a distributed ledger	Duncan Mills;	Oracle International Corporation;
917	11775507	2023-10-03	2021-01-29	Methods and apparatuses for reading and updating data structures, and electronic devices	Benquan Yu; Haizhen Zhuo; Zhonghao Lu; Faqiang Wang;	Advanced New Technologies Co., Ltd.;
918	11775553	2023-10-03	2021-03-31	Data integrity of replicated databases	Puspanjali Panda;	Western Digital Technologies, Inc.;
919	11775556	2023-10-03	2022-01-12	Faster view change for blockchain	Yacov Manevich; Artem Barger; Hagar Meir; Yoav Tock;	International Business Machines Corporation;
920	11775664	2023-10-03	2021-08-02	Blockchain managed access system	Romain Jufer; Cristian Ruiz; Olivier Morel;	Nagravision S.a.;

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921	11775665	2023-10-03	2019-09-10	System and method for executing access transactions of documents related to drug discovery	Abhijit Keskar; Akshesh Doshi;	Innoplexus Ag;
922	11775962	2023-10-03	2019-04-11	Method and system for improved blockchain performance through aggregation	Chandan Garg; Jaipal Singh Kumawat;	Mastercard International Incorporated;
923	11775967	2023-10-03	2020-12-24	Transaction delegation method, transaction delegation system, and computer readable medium	Takashi Fujii; Toshihiko Ryugo; Motoki Sato;	Sivira Inc.;
924	11775999	2023-10-03	2022-08-05	Referral monetization in social network	Wang-Chan Wong; Howard Lee;	
925	11776052	2023-10-03	2021-02-05	Continuously monitoring and updating mortgage ready data	Benjamin Tarmann; Richard R Rhodes; Lokesh Awasthy; Denise DeRoeck; Jaime Skaggs; Jacob J Alt; Shanna L Phillips; Shyam Tummala; Matthew S Meierotto; Richard D Groonwald; Brian J Hughes;	State Farm Mutual Automobile Insurance Company;
926	11776079	2023-10-03	2021-11-22	Digital property authentication and management system	Lewis C Lee; Daniel Crouse; David Craig Andrews; Samuel Cameron Fleming;	Aon Risk Services, Inc. of Maryland;
927	11777706	2023-10-03	2022-08-22	Systems and methods for communication, storage and processing of data provided by an entity over a blockchain net work	Silvia Bartolucci; Pauline Bernat; Daniel Joseph;	Nchain Licensing Ag;
928	11777727	2023-10-03	2022-08-29	Distributed digital wallet seed phrase	Gary Anderson; Jason Sean Gagne-Keats; David John Evans, V;	Osom Products, Inc.;
929	11777728	2023-10-03	2020-05-15	Systems and methods for blockchain transactions with offer and acceptance	Willow W Noonan;	Gmo Globalsign, Inc.;
930	11777738	2023-10-03	2019-06-04	Metadata-based endorsement	Jeronimo Irazabal; Guillermo Romero Lopez; Andres Garagiola;	International Business Machines Corporation;
931	11777783	2023-10-03	2018-02-26	Network slicing with smart contracts	Catalin Meirosu; Craig Schoneberg;	Telefonaktiebolaget Lm Ericsson (publ);
932	11777951	2023-10-03	2021-11-02	Data and source validation for equipment output data or equipment failure prediction using blockchains	Steven M Casey; Kevin M McBride; William O'Brien, Jr; Stephen Opferman;	Centurylink Intellectual Property LLC;
933	11777975	2023-10-03	2023-02-15	Identifying malicious nodes in a blockchain network	Vladas Jurkevicius; Lukas Deksnys;	Humbility Uab;
934	11778024	2023-10-03	2021-11-22	Decentralized computation system architecture based on node specialization	Dietrich Theodore Shirley; Fabiano Pereira Soriani; Christopher Patrick Scott; Layne Lafrance;	Dapper Labs, Inc.;
935	11778455	2023-10-03	2022-02-23	Subscriber identity management method, device, and system	Weihua Hu; Yanping Zhang; Jianan Hong;	Huawei Technologies Co., Limited;
936	11777713	2023-10-03	2021-06-29	Blockchain management platform for performing asset adjustment, cross sectional editing, and bonding	Manu Kurian; Joseph Castinado;	Bank of America Corporation;
937	11777940	2023-10-03	2019-01-11	Storing and accessing medical datasets on the blockchain	Florian Hager; Christoph Pedain; Benedikt Krueger;	Siemens Healthcare Gmbh;
938	11766250	2023-09-26	2019-03-07	Wound anchor sterile pen	James William Staggs;	Gram Tactical LLC;
939	11766310	2023-09-26	2020-11-12	Surgical robot gown	Yen-Yi Ho;	Ai Bioelectronic Healthtech Co., Ltd.;
940	11766614	2023-09-26	2022-05-20	Utilizing mobile device capabilities to keep a user engaged with a mobile application	Pj Putnam; Ruben Hammer;	Pj Hammer Corporation;

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941	11768729	2023-09-26	2018-10-03	Method and apparatus for secure and verifiable composite service execution and fault management on blockchain	Nanjangud Chandrasekhara Swamy Narendra; James Kempf; Sambit Nayak; Anshu Shukla;	Telefonaktiebolaget Lm Ericsson (publ);
942	11769125	2023-09-26	2021-03-24	Method and apparatus for processing transaction requests in blockchain, device and medium	Bo Jing;	Baidu Online Network Technology (beijing) Co., Ltd.;
943	11769143	2023-09-26	2022-12-22	System and method for high performance providing fresh NFT metadata	Benjamin Godlove; Ram Bhaskar; Niveda Krishnamoorthy; Bill Zhu; Alex Miao; Omar Ceja; Josh Zhang; Andrew Yang;	Alchemy Insights, Inc.;
944	11769146	2023-09-26	2016-09-30	Blockchain transactional identity verification	Jason Houseworth; Travis Giggy; Roman Breslav; Daniel D Martin;	Hrb Innovations, Inc.;
945	11769147	2023-09-26	2018-08-30	Secure smart note	Gary P Noble;	International Business Machines Corporation;
946	11769150	2023-09-26	2017-10-11	Transaction scheduling for block space on a blockchain	Muhammad Tayyab Asif; Pralhad D Deshpande;	International Business Machines Corporation;
947	11769154	2023-09-26	2022-06-23	Token device for distributed ledger based interchange	Duane Cash; Alexander Nagelberg; Hudson R Jameson;	United Services Automobile Association (usaa);
948	11769156	2023-09-26	2018-05-15	Automated data projection for smart contract groups on a blockchain	Rishi Saket; Talha Ahmad Siddiqui; Vinayaka Pandit;	International Business Machines Corporation;
949	11769183	2023-09-26	2020-08-18	Digital asset price regulation system using distributed ledger transaction processing rewards	Alev O Karasulu; Sally Khudairi;	Optdyn, Inc.;
950	11769209	2023-09-26	2021-07-08	Method and system for conducting and recording insurance claim transactions using blockchain	Yuxiang Liu; Kwong Wing Yeung;	
951	11769573	2023-09-26	2018-10-16	Team-based tele-diagnostics blockchain-enabled system	Shahid N Shah;	Netspective Communications LLC;
952	11769577	2023-09-26	2021-10-01	Decentralized identity authentication framework for distributed data	Victor Bovee Dods; Leonid Alekseyev; William Jack; Benjamin James Taylor;	Ledgerdomain Inc.;
953	11769585	2023-09-26	2020-01-14	Health data exchange platform	Tara Youngblood; Todd Youngblood;	Youngblood IP Holdings, LLC;
954	11770238	2023-09-26	2021-10-04	Decentralized computation system architecture based on node specialization	Dietrich Theodore Shirley; Fabiano Pereira Soriani; Christopher Patrick Scott; Layne Lafrance;	Dapper Labs, Inc.;
955	11770239	2023-09-26	2022-12-05	Systems and methods for trigger based synchronized updates in a distributed records environment	Jennifer Rutley; Abigail Jennings O'Malley;	Massachusetts Mutual Life Insurance Company;
956	11770240	2023-09-26	2020-05-13	Electronic device and method for receiving push message stored in blockchain	Dohyun Jo; Youna Lee;	Samsung Electronics Co., Ltd.;
957	11770250	2023-09-26	2021-08-02	Method and system for ensuring search completeness of searchable public key encryption	Peng Xu; Tianyang Chen; Yubo Zheng; Hai Jin; Wei Wang;	Huazhong University of Science and Technology;
958	11770256	2023-09-26	2019-06-20	System and method for bitcoin mining with reduced power	David A Carlson;	Marvell Asia Pte., Ltd.;
959	11770257	2023-09-26	2020-02-07	Blockchain incorporated system for verifying ingredients in agricultural products and byproducts	Christopher Jones; Justin Kim;	Research Blocks Technologies, Inc.;
960	11770263	2023-09-26	2023-03-24	Systems and methods for enforcing cryptographically secure actions in public, non-permissioned blockchains using bifurcated self-executing programs comprising shared digital signature requirements	Shishir Singh; Jonathan Miles Collin Rosenoer; Andres Wolberg-Stok; Biser Dimitrov;	Citibank, N.a.;

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961	11770296	2023-09-26	2022-04-04	Decentralized data storage and processing for IoT devices	Keith Nolan; Mark Kelly; Michael Nolan; Davide Carboni; John Brady; Niall Cahill; Ned M Smith; Gregory Burns;	Intel Corporation;
962	11770366	2023-09-26	2019-08-14	Blockchain autonomous agents	Francisco Angel Garcia Rodriguez;	Yoti Holding Limited;
963	11770378	2023-09-26	2021-09-03	Systems and methods for controlling access to a blockchain	Ram Pemmaraju;	Blocksafe Technologies, Inc.;
964	11770444	2023-09-26	2022-04-22	Edge computing for internet of things security with blockchain authentication	Raghuram Parvataneni; Anil K Guntupalli;	Verizon Patent and Licensing Inc.;
965	11770788	2023-09-26	2023-04-24	Systems and methods for deployment of a decentralized electronic subscriber identity module	Ismaila Wane; Karsten Ohme;	Bloxtel Inc.;
966	11768821	2023-09-26	2022-03-23	Blockchain based multi vendor change monitoring system	Adam Dale Braham; Jason A Nikolai; Shane Smith;	International Business Machines Corporation;
967	11761689	2023-09-19	2019-02-16	Method and system for recovering and utilizing heat energy produced by computer hardware in blockchain mining operations	Daniel Stolyarov; Elena Polyakova;	G6 Materials Corp.;
968	11762643	2023-09-19	2020-02-14	System using blockchain	Shinichiro Otsuka;	Nomura Research Institute, Ltd.;
969	11762815	2023-09-19	2018-11-23	Multi-framework managed blockchain service	Jonathan Andrew Fritz; Rahul Pathak; Anurag Windlass Gupta; Nachimuthu Govindasamy; Anthony A Virtuoso; Yugandhar Maram; Mahmoud Salem; Carey Michael Crook; Turkay Mert Hocanin; Montana Norman Wong; Aditya Manohar; Rajul Mittal; Shiyu Sun; Yu Yan; Ramkumar Kamalapuram Sugavanam; Gitesh Tyagi;	Amazon Technologies, Inc.;
970	11762839	2023-09-19	2018-12-13	Search method using data structure for supporting multiple search in blockchain-based IoT environment, and device according to method	Soo Yong Park; Dong Young Lee;	Sogang University Research Foundation;
971	11762844	2023-09-19	2020-12-30	Secure trimming of blockchain in a resource-constrained network	Eric Donald White;	Itron Gmbh;
972	11762879	2023-09-19	2022-10-21	Information traceability method and system based on blockchain	Peng Zhu; Jun Wang;	Nanjing University of Science and Technology;
973	11762974	2023-09-19	2022-08-04	Single sign-on solution using blockchain	Balaji Balaraman; Andras L Ferenczi; Dallas L Gale; Nilesh Yashavant Jadhav; Harish R Naik;	American Express Travel Related Services Company, Inc.;
974	11763189	2023-09-19	2019-03-21	Method for tracking lack of bias of deep learning AI systems	Paul Golding;	Prosper Funding LLC;
975	11763275	2023-09-19	2020-08-24	System and method for cryptocurrency point of sale	Kaiser Kim; Paul Collier; Sahil Amoli; Justin O'Brien; Bojan Joveski; Tyson Battistella;	Coinbase, Inc.;
976	11763300	2023-09-19	2019-07-24	Method and system for currency-agnostic real-time settlement	Peter J Groarke;	Mastercard International Incorporated;
977	11763305	2023-09-19	2022-06-29	Distributed ledger for device management	Bharat Prasad; Ruthie D Lyle; Minya Liang; Thomas Bret Buckingham;	United Services Automobile Association (usaa);
978	11763332	2023-09-19	2021-04-30	Edge computing platform supported by smart contract enabled blockchain network	Jieyi Long; Mitchell C Liu;	Theta Labs, Inc.;
979	11763383	2023-09-19	2019-05-30	Cryptocurrency system, terminal, server, trading method of cryptocurrency, and program	Kazue Sako;	Nec Corporation;
980	11764943	2023-09-19	2021-08-10	Methods and systems for somewhat homomorphic encryption and key updates based on geometric algebra for distributed ledger/blockchain technology	David W Honorio Araujo da Silva; Carlos A Paz de Araujo; Hanes Barbosa Marques de Oliveira; Marcelo Araujo Xavier;	Algemetric, Inc.;

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981	11764946	2023-09-19	2022-04-06	Audit chain for private blockchain	Saumyadipta Das; Francois Vigneron; Andreas Grosche; Joe A Kattackal; Markus Brugger; Mark Teichmann; Manoj Karjala Chandrasekar; Vigneswaran Padmanaban; Srikanth Rajamani; Matthew Morabito;	Sap Se;
982	11764947	2023-09-19	2019-05-13	Systems and methods for storage, generation and verification of tokens used to control access to a resource	Craig Steven Wright;	Nchain Licensing Ag;
983	11764950	2023-09-19	2019-10-29	System or method to implement right to be forgotten on metadata driven blockchain using shared secrets and consensus on read	Prithvi Krishnan Padmanabhan;	Salesforce, Inc.;
984	11764959	2023-09-19	2020-11-20	Neural network classifiers for block chain data structures	Victor Bovee Dods; Benjamin James Taylor; Leonid Alekseyev;	Ledgerdomain Inc.;
985	11764973	2023-09-19	2021-03-05	Systems and methods for creating a universal record	Ajith Thekadath; Suman Mukherjee;	Visa International Service Association;
986	11764976	2023-09-19	2022-04-26	System and method for secure internet communications	Jose Manuel Rivera; Michael Lasky; Andrew Bruce;	Triplecyber Corp.;
987	11764989	2023-09-19	2022-08-16	Systems and methods of enabling blockchain-based building automation systems	Kevin Serwatowski;	Johnson Controls Tyco IP Holdings Llp;
988	11765167	2023-09-19	2022-04-25	System and method for secure onboarding of network devices	Bradley Richard Ree; Gary Bernard Jabara;	Ioxt, LLC;
989	11765227	2023-09-19	2022-07-20	5G on-demand dynamically instantiated blockchain for highly distributed peer-to-peer consumer cloud	Venson Shaw; Sunil Lingayat;	T-mobile Usa, Inc.;
990	11765228	2023-09-19	2021-02-16	Blockchain virtual machine systems and methods	Shvetal Shah;	Ciena Corporation;
991	11765276	2023-09-19	2019-03-07	Blockchain for communication of subscriber data records between public land mobile networks	K Arunkumar; Darwin Chandran; Karthikeyan Chandrasekar; Ramkumar N; Gopala Krishnan Ramasubbu; Ravi Sekhar Reddy V;	Telefonaktiebolaget Lm Ericsson (publ);
992	11761653	2023-09-19	2020-07-21	Building management system with a distributed blockchain database	Sudhi R Sinha; Youngchoon Park; Sajjad Pourmohammad;	Johnson Controls Tyco IP Holdings Llp;
993	11755522	2023-09-12	2022-07-07	Method, electronic device, and computer program product for implementing blockchain system on switch	Chenxi Hu; Sanping Li; Zhen Jia; Anzhou Hou;	Dell Products Inc.;
994	11755542	2023-09-12	2023-02-03	Systems and methods for locking queued distributed network tokens	Kevin Lupowitz; Eric Couillard; Jeff Yang; Chester Chee; Brian Bruce; Joe Grastara;	Tassat Group Inc.;
995	11755562	2023-09-12	2021-05-13	Score based endorsement in a blockchain network	Alexander Kofman; Jonathan Bnayahu; Artem Barger; Dany Moshkovich;	International Business Machines Corporation;
996	11755567	2023-09-12	2023-03-17	Blockchain-based data verification method and apparatus, device, and storage medium	Bo Jing; Hongyan Wang;	Beijing Baidu Netcom Science Technology Co., Ltd;
997	11755693	2023-09-12	2022-12-05	Authentication of encrypted media based on immutable ledgers	Jason Lealand Crawforth; Michael Robert Blood;	Swear Inc.;
998	11755718	2023-09-12	2021-03-31	Blockchain implemented counting system and method for use in secure voting and distribution	Craig Steven Wright; Stephane Savanah;	Nchain Licensing Ag;
999	11755772	2023-09-12	2021-09-20	Securing data in a blockchain with a one-time pad	Robert Edward Grant;	Crown Sterling Limited, LLC;
1,000	11755935	2023-09-12	2022-09-12	Managing information for model training using distributed blockchain ledger	Kevin Gidney;	Docusign International (emea) Limited;

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1,001	11755998	2023-09-12	2020-05-18	Smart data annotation in blockchain networks	Abhishek Malvankar; Shikhar Kwatra; Jeronimo Irazabal; Kushal S Patel;	International Business Machines Corporation;
1,002	11756030	2023-09-12	2021-03-03	Secure management of content distribution data blocks on a blockchain	Sergio Pinzon Gonzales, Jr;	Ebay, Incorporated;
1,003	11756031	2023-09-12	2020-02-24	Multicurrency blockchain platform and method of use	Paul Hamera; Alexander Kern; Ali Fathalian; Nikhil Srinivasan; Omar Bohsali; Jing Fan; Josh Ellithorpe;	Coinbase, Inc.;
1,004	11756047	2023-09-12	2021-10-04	Fingerprinting physical items to mint NFT's	Shannon Bruce Vosseller; Christopher Michael Matthews; Andrew Chalkley; Paul Telis Stathacopoulos;	Ebay, Incorporated;
1,005	11756051	2023-09-12	2021-01-27	System and method for custom-made medical devices life cycle management	Ashish Omprakash Indani; Saurabh Das; Devraj Goulikar; Biswamohan Routray;	Tata Consultancy Services Limited;
1,006	11756053	2023-09-12	2022-03-01	Systems and methods for provisioning cryptographic digital assets for blockchain-secured retail products	Christopher Andon; Hien Tommy Pham;	Nike, Inc.;
1,007	11756117	2023-09-12	2021-07-20	Electronic certification data structures for verifying resource integrity	Justin Randall Padawer; Taylor Cushman Rose; Michael Angelo DeVico; Richard Edward Horne;	Progrexion Ip, Inc.;
1,008	11756128	2023-09-12	2021-02-17	Distributed ledger system for managing smart vehicle data	Ronny S Bryant; Stacie A McCullough; Mitchell J Hill; Jacob J Alt; Jaime Skaggs; Shawn M Call; Eric Bellas; Vicki King; Melinda Teresa Magerkurth;	State Farm Mutual Automobile Insurance Company;
1,009	11756375	2023-09-12	2022-02-14	Securely storing machine data on a non-volatile memory device	Nimish Purohit; Tyson Adams; Rex Carlson; Garrett Hill; Rajendrasinh Jadeja;	Aristocrat Technologies, Inc.;
1,010	11756377	2023-09-12	2021-12-06	Preparation and installation of gaming devices using blockchain	Nimish Purohit; Garrett Hill; Eric Taylor;	Aristocrat Technologies, Inc.;
1,011	11757627	2023-09-12	2022-04-07	Cryptoasset custodial system with proof-of-stake blockchain support	Diogo Monica; Nathan P McCauley; Boaz Avital; Riyaz D Faizullabhoy;	Anchor Labs, Inc.;
1,012	11757643	2023-09-12	2022-11-07	System and method for authenticating user identity	Brian R Gallagher; Darwin R Lo;	Insights Network;
1,013	11757650	2023-09-12	2018-12-28	Distributed self sovereign identities for network function virtualization	Kapil Sood; Ned M Smith;	Intel Corporation;
1,014	11757655	2023-09-12	2021-10-05	Systems and methods for distributed extensible blockchain structures	Phillip H Griffin;	Wells Fargo Bank, N.a.;
1,015	11757663	2023-09-12	2020-03-18	Blockchain-based monitoring of devices	Irene Wong Woerner; Ronald Chi King Kong;	Emtruth, Inc.;
1,016	11757884	2023-09-12	2019-05-28	Method and system for controlling the release of a resource	Lutz Firnkorn; Joachim Sokol; Martin Weber;	Siemens Aktiengesellschaft;
1,017	11757897	2023-09-12	2022-01-14	Blockchain-based commercial inventory systems and methods	Jordan Simons;	Americorp Investments LLC;
1,018	11757985	2023-09-12	2022-11-16	Systems and methods for a blockchain interoperability platform	Roberto Bayardo; Justin Blumenthal; Huiyi Li; Xiang Li; Leopoldo Orines; Sharanjai Prasad; Alex Wolfe; Qi Wu; Andrew Min; Francis Hamand; Hao Xue; Zoltan Onodi-Szucs;	Coinbase, Inc.;
1,019	11757988	2023-09-12	2021-06-16	Add and drop blobbers in blockchain	Saswata Basu; Thomas Howard Austin;	0chain Corp.;
1,020	11757989	2023-09-12	2019-09-04	System and method for incorporating sensor measurements into a blockchain	Alex Stuart; Justin Phillips;	Carbon-block Inc.;

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1,021	11755647	2023-09-12	2020-12-03	XML production through database mining and blockchain	Michael J Falcetano; Keith Joseph Miller; John Bouzakis; Michael Kelly;	International Business Machines Corporation;
1,022	11755746	2023-09-12	2023-01-10	Systems and methods for conducting blockchain actions based on network mappings of self-executing program characteristics	Jonathan Miles Collin Rosenoer;	Citibank, N.a.;
1,023	11748330	2023-09-05	2022-08-05	Systems and methods for analyzing vehicle sensor data via a blockchain	William J Leise; Jacob J Alt; Jaime Skaggs; Eric Bellas; Shawn M Call; Eric R Moore; Melinda Teresa Magerkurth; Vicki King;	State Farm Mutual Automobile Insurance Company;
1,024	11748336	2023-09-05	2021-01-04	Method and apparatus for managing measurement device based on blockchain	Jean-Christophe Emery; Michael Heidingsfelder; Eugen Schibli; Feng Dai; Qing Chen; GuoJun Xie;	Mettler-toledo (changzhou) Precision Instruments Ltd.; Mettler Toledo (changzhou) Measurement Technology Ltd.; Mettler-toledo International Trading (shanghai) Co., Ltd.;
1,025	11748337	2023-09-05	2021-04-08	System and method of decentralized management of multi-owner nodes using blockchain	Sathyanarayanan Manamohan; Krishnaprasad Lingadahalli Shastry; Avinash Chandra Pandey; Ravi Sarveswara;	Hewlett Packard Enterprise Development LP;
1,026	11748411	2023-09-05	2020-04-10	Cognitive session graphs including blockchains	Manoj Saxena; Matthew Sanchez; Richard Knuszka;	Tecnotree Technologies, Inc.;
1,027	11748724	2023-09-05	2022-11-01	Systems and methods for operating a bridge server to support multiple shards of a blockchain	Cameron Thacker; Andrew Royer; Rudy Koch;	Mythical, Inc.;
1,028	11748749	2023-09-05	2021-06-17	Method and system for mediated cross ledger stable coin atomic swaps using hashlocks	Srinath Ravinathan; Donghao Huang; Hancong Guan; Karl Cheng; Phuoc Hoang Long Le; Weiming Ma;	Mastercard Asia/pacific Pte. Ltd.;
1,029	11748750	2023-09-05	2021-09-13	Zero-knowledge proof payments using blockchain	Andras Ferenczi; Dallas L Gale; Nilesh Y Jadhav; Harish R Naik;	American Express Travel Related Services Company, Inc.;
1,030	11748752	2023-09-05	2021-08-23	Modular, configurable smart contracts for blockchain transaction processing validations	Steven K Rainey; David Richard Jarczyk; Nikola G Ognjanovic; Noah Leuthaeuser; Michal Pol; Christopher Donnelly; Jenny Li; Rafiq Mohamed Jalal; Ashish Lal Rajbanshi;	Kpmg Llp;
1,031	11748762	2023-09-05	2020-06-17	System for simulating and creating smart purchase agreements from master service agreements	Steven Cebertowicz; David M Hilbert; Kandha Sankarapandian; Ram Sriram; Chidansh Amitkumar Bhatt; Scott Carter; Laurent Denoue; David Ayman Shamma; Shinji Onishi;	Fujifilm Business Innovation Corp.;
1,032	11748784	2023-09-05	2021-06-28	User control of anonymized profiling data using public and private blockchains in an electronic ad marketplace	Paul Lawbaugh; Dashiell Lavine;	Concord Technologies Inc.;
1,033	11748793	2023-09-05	2021-10-04	Transaction access control using tokenized reputation scores	Shannon Bruce Vosseller; Andrew Chalkley;	Ebay, Incorporated;
1,034	11748811	2023-09-05	2022-12-15	Blockchain instrument for transferable equity	Thomas Marshall Gordon, III; Joseph W Forbes, Jr; Gregory Frederick Bush;	Equity Shift, Inc.;
1,035	11748818	2023-09-05	2019-09-09	System and method for healthcare revenue cycle management	Tyler Wince; Ronnie Wince;	Myndshft Technologies, Inc.;
1,036	11748835	2023-09-05	2020-01-27	Systems and methods for monetizing data in decentralized model building for machine learning using a blockchain	Sathyanarayanan Manamohan; Vishesh Garg; Krishnaprasad Lingadahalli Shastry;	Hewlett Packard Enterprise Development LP;
1,037	11749047	2023-09-05	2020-08-18	Electronic voting system and control method	Yuji Unagami; Junichiro Soeda;	Panasonic Intellectual Property Corporation of America;
1,038	11749066	2023-09-05	2021-08-06	Localized betting system and method	Scott Carlson; José-Emmanuel Pont;	Nagravision S.a.;
1,039	11750370	2023-09-05	2020-12-22	Programmable blockchain solid state drive and switch	Rajinikanth Pandurangan; Vijay Balakrishnan;	Samsung Electronics Co., Ltd.;
1,040	11750388	2023-09-05	2023-01-24	Linking digital and physical non-fungible items	Jason Sean Gagne-Keats; Gary Anderson; Wolfgang Wesley Muller; Jean-Baptiste Charles Theou;	Osom Products, Inc.;

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1,041	11750392	2023-09-05	2020-11-25	Authenticated index data structure with back-pointers	Jude Nelson; Aaron Blankstein;	Hiro Systems Pbc;
1,042	11750395	2023-09-05	2018-09-03	System and method for blockchain-based multi-factor security authentication between mobile terminal and IoT device	Yong-Hwan Yoo; Bonggyeol Choi;	Icncast Co., Ltd;
1,043	11750401	2023-09-05	2021-05-20	Proving top level domain name control on a blockchain	Andrew Kaizer; Swapneel Sheth;	Verisign, Inc.;
1,044	11748747	2023-09-05	2021-10-29	Method and system for payment card verification via blockchain	Ankur Arora;	Mastercard International Incorporated;
1,045	11750400	2023-09-05	2021-01-22	Blockchain post-quantum signature scheme	Konstantinos Chalkias;	R3 Ltd.;
1,046	11750711	2023-09-05	2022-12-22	Systems and methods for adaptively rate limiting client service requests at a blockchain service provider platform	David Philipson; Kunal Roy;	Alchemy Insights, Inc.;
1,047	11740954	2023-08-29	2019-05-31	Method, apparatus and system for storing fault data, and computer-readable medium	Hao Liu; Jing Li; Dan Wang; Wen Tao Hua; Ang Li;	Siemens Ltd., China;
1,048	11740975	2023-08-29	2021-06-30	System and method for managing blockchain nodes	Eric Scrivner; Maksym Naboka; Ales Katona;	Coinbase, Inc.;
1,049	11741066	2023-08-29	2021-05-25	Blockchain based reset for new version of an application	Siddharth R Rao; Raghuveer Prasad Nagar; Jagadesh Ramaswamy Hulugundi; Saneesh Parambath;	International Business Machines Corporation;
1,050	11741075	2023-08-29	2020-06-04	Methods and system of tracking transactions for distributed ledger	Baohua Yang;	Oracle International Corporation;
1,051	11741082	2023-08-29	2020-04-30	Systems and methods for automated recovery of blockchain-based accounts	Adam Vukich; Kevin P Kelly; Adnan Malik; Mykhaylo Bulgakov; William Carroll; Steven Quadros; Abdelkader Benkreira;	Capital One Services, LLC;
1,052	11741083	2023-08-29	2020-07-24	Cross-shard private atomic commit	Yacov Manevich; Hagar Meir; Artem Barger;	International Business Machines Corporation;
1,053	11741216	2023-08-29	2022-11-07	Credential revocation leveraging private keys on keystores read by provisioned devices	Victor Bovee Dods; Benjamin James Taylor; Benjamin Gregory Nichols;	Ledgerdomain Inc.;
1,054	11741229	2023-08-29	2021-06-22	Inspection system, inspection method, and computer program	Teruhiro Tagomori;	Nomura Research Institute, Ltd.;
1,055	11741239	2023-08-29	2018-10-17	Blockchain-based hours-of-service system	Aaron Swearingen;	Omnitracs, LLC;
1,056	11741247	2023-08-29	2018-12-20	Smart privacy and controlled exposure on blockchains	Gabriela Ciocarlie; Karim Eldefrawy; Tancrede Lepoint;	Sri International;
1,057	11741441	2023-08-29	2022-03-01	Systems and methods for streamlining credit and/or debit card transactions utilizing blockchain supported credit tokens and/or debit tokens	Jun Yan;	Tradove, Inc.;
1,058	11741539	2023-08-29	2022-03-28	Blockchain-based shared appreciation note	David Jette; Brett Markinson;	Homium, LLC;
1,059	11742065	2023-08-29	2022-05-20	Multi-dimensional cryptographically secured datastores for medical records	Sreelakshmi Kolli; Leon Rasovsky;	
1,060	11743027	2023-08-29	2020-03-30	Decentralized methods and systems for storage, access, distribution and exchange of electronic information and documents over the internet using blockchain to protect against cyber attacks and theft	Johny Mathew; Nitin Duggal;	

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1,061	11743045	2023-08-29	2019-04-24	Partitioning a blockchain network	Dean Kramer; Martin Sewell; Bassem Ammar;	Nchain Licensing Ag;
1,062	11743051	2023-08-29	2020-10-28	Blockchain machine compute acceleration engine with a block verify and a block validate	Haris Javaid; Ji Yang; Sundararajarao Mohan; Gordon John Brebner;	Xilinx, Inc.;
1,063	11743052	2023-08-29	2021-10-15	Platform for generating authenticated data objects	Karim Talal Hamasni; Charles Plant St Louis; Graham Henry Miller; Atilla Murat Firat; Ugobame I Uchibeke; Joe Larizza; Ioannis Bakagiannis;	Royal Bank of Canada;
1,064	11743137	2023-08-29	2021-06-15	Systems, methods, and apparatuses for implementing a metadata driven rules engine on blockchain using distributed ledger technology (DLT)	Prithvi Krishnan Padmanabhan;	Salesforce, Inc.;
1,065	11743328	2023-08-29	2022-02-03	Computer-implemented system and method for propagation and communication of data in a network such as a blockchain network	Silvia Bartolucci; Daniel Joseph; Simone Madeo;	Nchain Licensing Ag;
1,066	11743327	2023-08-29	2021-02-05	Topological ordering of blockchain associated proposals	Lei Yu; Qi Zhang; Petr Novotny; Nitin Gaur;	International Business Machines Corporation;
1,067	11733940	2023-08-22	2022-11-23	Printing system and device for processing transactions in a distributed ledger	Eric Louis Kampman;	Kyocera Document Solutions Inc.;
1,068	11733991	2023-08-22	2021-01-25	Data processing method based on intelligent contract, device, and storage medium	Yao Zhang; Tao Yang;	Tencent Technology (shenzhen) Company Limited;
1,069	11734004	2023-08-22	2020-01-30	Computing system and method	Kristy-Leigh Anne Minehan;	Core Scientific Operating Company;
1,070	11734047	2023-08-22	2021-06-01	Language agnostic smart contract execution on a blockchain	Ian Holsman;	Bullish Global;
1,071	11734060	2023-08-22	2020-09-01	Graph data based task scheduling method, apparatus and storage medium thereof	Bo Zheng;	Tencent Technology (shenzhen) Company Limited;
1,072	11734230	2023-08-22	2021-12-27	Traffic redundancy deduplication for blockchain recovery	Igor Golikov; Alex Markuze; Avishay Yanai; Guy Gueta; Israel Cidon; Eyal Zohar;	Vmware, Inc.;
1,073	11734259	2023-08-22	2019-05-31	Anonymous database rating update	Rishi Saket; Pankaj S Dayama; Nitin Singh;	International Business Machines Corporation;
1,074	11734296	2023-08-22	2022-04-14	Off-chain functionality for data contained in blocks of blockchain	Stephen Opferman; William R Benassi; James P Gately;	Centurylink Intellectual Property LLC;
1,075	11734455	2023-08-22	2022-12-15	Blockchain-based data processing method and apparatus, device, and storage medium	Bo Jing;	Beijing Baidu Netcom Science Technology Co., Ltd;
1,076	11734616	2023-08-22	2019-07-12	Method and system for access control of shared spaces through blockchain	Bhupinder Singh Narang; Ashish Jain; Pulkit Gupta;	Mastercard International Incorporated;
1,077	11734647	2023-08-22	2022-11-16	Upstream visibility in supply-chain	Elisabeth Claire Paulson; Ashish Jagmohan; Ajay Ashok Deshpande; Pavithra Harsha; Ali Koc; Krishna Chaitanya Ratakonda; Ramesh Gopinath;	International Business Machines Corporation;
1,078	11734655	2023-08-22	2019-01-17	Method and system for a failsafe mechanism for blockchain wallets	Aishwarya Mallik; Alok Kumar Dwivedi; Chandan Garg;	Mastercard International Incorporated;
1,079	11734661	2023-08-22	2018-10-31	Content distribution management system and method using blockchain technology	Chang Hoon Cho; Jung Ki Min;	Altimedia Corporation;
1,080	11734675	2023-08-22	2021-08-05	Systems and methods of blockchain transaction recordation	Thomas Fay; Dominick Paniscotti;	Nasdaq, Inc.;

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1,081	11734676	2023-08-22	2019-11-14	Using a contactless card to securely share personal data stored in a blockchain	Jeffrey Rule; Rajko Ilincic; Kaitlin Newman;	Capital One Services, LLC;
1,082	11734677	2023-08-22	2022-10-20	Systems and methods for exchanging electronic tokens	Daniel Kang; Thomas Chen; Jonathan Ko;	Touch Point Worldwide, Inc.;
1,083	11734681	2023-08-22	2022-05-27	Secure management of data files using a blockchain	Sergio Pinzon Gonzales, Jr;	Ebay, Incorporated;
1,084	11734682	2023-08-22	2022-09-01	Systems and methods for creating multiple records based on an ordered smart contract	Ajith Thekadath; Timothy P Tidwell; Venkata Javaji; Mondo Jacobs;	Visa International Service Association;
1,085	11734756	2023-08-22	2021-07-23	Blockchain based loan securitization	David Duccini; Phillip H Griffin; David Newman; Nishant Usapkar;	Wells Fargo Bank, N.a.;
1,086	11734758	2023-08-22	2021-11-03	Trade authorization blockchain-based export and valuation system	Matt Henson; David Eugene Harris;	Trade Collaboration Engine, LLC;
1,087	11734760	2023-08-22	2022-06-06	Systems and methods for operating a math-based currency exchange	Ashish B Kurani;	Wells Fargo Bank, N.a.;
1,088	11734770	2023-08-22	2022-11-17	Using a distributed ledger to determine fault in subrogation	William J Leise; Douglas A Graff; Anthony McCoy; Jaime Skaggs; Shawn M Call; Stacie A McCullough; Wendy H Clayton; Melinda Teresa Magerkurth; Kim E Flesher; Travis Charles Runge;	State Farm Mutual Automobile Insurance Company;
1,089	11734781	2023-08-22	2022-04-25	Single-tier blockchain-based system and method for document transformation and accountability	Edward Wu; Guy Gal; Christopher Dzoba; Jeffrey Judkins; Mark J Stefik; Adriano Castro;	Side, Inc.;
1,090	11736271	2023-08-22	2018-09-21	Method for signing a new block in a decentralized blockchain consensus network	Ghassan Karame; Wenting Li; Giorgia Azzurra Marson; Jens-Matthias Bohli; Sebastien Andreina;	Nec Corporation;
1,091	11736290	2023-08-22	2022-11-07	Management of recipient credentials leveraging private keys on keystores read by provisioned devices	Victor Bovee Dods; Benjamin James Taylor; Benjamin Gregory Nichols;	Ledgerdomain Inc.;
1,092	11736456	2023-08-22	2020-09-29	Consensus service for blockchain networks	Yacov Manevich; Jason Karl Yellick;	International Business Machines Corporation;
1,093	11736470	2023-08-22	2022-08-23	Systems and methods for blockchain validation and data record access employing a blockchain configured banking core and blockchain configured federation proxies	Vladimir Lounegov;	Finlink, Inc.;
1,094	11736586	2023-08-22	2021-04-06	High performance distributed system of record	David C Carver; Thomas Houman; Andrew F Champagne; Vladimir Shtokman; Patrick Alexander Deegan; Ramanath Mallikarjuna;	Akamai Technologies, Inc.;
1,095	11734686	2023-08-22	2021-10-05	Automated event processing computing platform for handling and enriching blockchain data	Jisoo Lee; John C Checco; William August Stahlhut; Joseph Castinado; Brad Romano; Suki Ramasamy; Patrick N Lawrence; Lekha Ananthakrishnan;	Bank of America Corporation;
1,096	11734902	2023-08-22	2022-06-07	Contextual control of digital files built on the blockchain and projected in augmented reality	Asad J Malik; Jack Gerrard; Jake Sally;	Jadu Ar Inc.;
1,097	11736294	2023-08-22	2020-03-30	Root-of-trust blockchain verification	Vinodkumar Gangal;	Infineon Technologies Ag;
1,098	11724200	2023-08-15	2020-07-23	Market-based gaming platform	Assaf Packin; Robin Shapiro;	
1,099	11726773	2023-08-15	2021-05-19	Software supply chain quality control evaluation using blockchain	Michael F Angelo; Alexander Hoole;	Micro Focus Lcc;
1,100	11726968	2023-08-15	2021-06-25	Methods, apparatuses, and devices for transferring data assets based on blockchain	Shubo Li; Wenyu Yang; Shanlu Sun; Ping Dai; Renhui Yang; Qin Liu;	Alipay (hangzhou) Information Technology Co., Ltd.;

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1,101	11727098	2023-08-15	2020-09-10	Method and apparatus for user verification with blockchain data storage	Kevin Alan Tussy;	Facetec, Inc.;
1,102	11727120	2023-08-15	2020-07-10	Blockchain cybersecurity solutions	Sri Nikhil Gupta Gourisetti; Michael E Mylrea; Craig H Allwardt; Beverly E Johnson;	Battelle Memorial Institute;
1,103	11727365	2023-08-15	2021-08-16	Carbon neutral blockchain protocol for resolving carbon offsetter payments for cryptocurrency transactions	Sujay Vijay Purandare; Charles Gabriel Neale Dalton; Michael Charles Todasco; Norihiro Edwin Aoki; Suryatej Gundavelli;	Paypal, Inc.;
1,104	11727366	2023-08-15	2020-02-19	Systems and methods for verification of blockchain transactions	Matthew Cutler; Chris Meisl; Ryan Angilly; Niel Robertson;	Blocknative Corporation;
1,105	11727401	2023-08-15	2021-04-16	System, method and program product for generating and utilizing stable value digital assets	Cameron Howard Winklevoss; Tyler Howard Winklevoss;	Gemini Ip, LLC;
1,106	11727478	2023-08-15	2021-08-23	Event-based distribution of cryptographically secured digital assets	Christopher Andon; Matthew Davis; Hien Tommy Pham; Jeremy Schroeder;	Nike, Inc.;
1,107	11727484	2023-08-15	2021-10-04	Methods and apparatus for mortgage loan securitization based upon mortgage servicing stored on blockchain	Shane Michael Leonard; Richard Sheridan Collins;	
1,108	11727490	2023-08-15	2022-09-24	System to trade athletes' performance profiles as stocks	Aryan Thakker;	
1,109	11727501	2023-08-15	2017-02-21	Cryptographic method and system for secure extraction of data from a blockchain	Craig Steven Wright;	Nchain Licensing Ag;
1,110	11727504	2023-08-15	2020-08-20	System and method for automated blockchain custody service for managing a set of custodial assets with block chain authenticity verification	Charles Howard Cella;	Strong Force Tx Portfolio 2018, LLC;
1,111	11728928	2023-08-15	2021-10-05	Securely sharing public and private blockchain data	Stephen R Luedtke; Nathaniel G McKervey; Ryan Moore; Siegfried Puchbauer; Antoine Toulme;	Splunk Inc.;
1,112	11728969	2023-08-15	2018-12-03	Blockchain-implemented security systems and methods for blinded outcome selection	Silvia Bartolucci; Pauline Bernat; Daniel Joseph; Craig Steven Wright;	Nchain Licensing Ag;
1,113	11728976	2023-08-15	2022-12-22	Systems and methods for efficiently serving blockchain requests using an optimized cache	Benjamin Godlove; John Forbes Hayden, III; Steven Yang; Noam Hurwitz;	Alchemy Insights, Inc.;
1,114	11728995	2023-08-15	2018-04-09	Reward point transfers using blockchain	Vasudevan Swamidurai;	American Express Travel Related Services Company, Inc.;
1,115	11729007	2023-08-15	2020-11-30	Methods and apparatus to manage timing in a blockchain network	Daniel C Middleton;	Intel Corporation;
1,116	11729078	2023-08-15	2020-03-20	Method and devices for a load allocation and monitoring for a supply security-critical resource to be allocated in a network	Abhinav Sadu; Gianluca Lipari; Ferdinanda Ponci; Jindal Akshay;	Rheinisch-westfÄlische Technische Hochschule (rwth) Aachen;
1,117	11729084	2023-08-15	2022-07-01	Multi-node system monitoring using system monitoring ledgers for primary monitored nodes	Sudheer Jaisawal;	Optum, Inc.;
1,118	11729186	2023-08-15	2019-10-03	Blockchain architecture for computer security applications	Oluwaseyi Ajayi; Tarek Saadawi; Obinna Igbe;	Research Foundation of the City University of New York;
1,119	11726810	2023-08-15	2022-06-21	Systemic extensible blockchain object model comprising a first-class object model and a distributed ledger technology	David Alan Beberman;	Prasaga Foundation;
1,120	11729175	2023-08-15	2019-04-25	Blockchain folding	Asad Haque; Nancy Davoust;	Comcast Cable Communications, LLC;

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1,121	11729180	2023-08-15	2021-12-21	Automated event processing computing platform for handling and enriching blockchain data	Jisoo Lee; John C Checco; William August Stahlhut; Joseph Castinado; Brad Romano; Suki Ramasamy; Patrick Nicholas Lawrence; Lekha Ananthakrishnan;	Bank of America Corporation;
1,122	11720526	2023-08-08	2020-11-11	Sustainable energy tracking system utilizing blockchain technology and Merkle tree hashing structure	Eric Miller; Evan Caron; Troy Martin;	Cleartrace Technologies, Inc.;
1,123	11720540	2023-08-08	2020-12-30	Secure blockchain data recovery	Eric Donald White;	Itron Gmbh;
1,124	11720545	2023-08-08	2019-04-26	Optimization of chaincode statements	Jeronimo Irazabal; Andres Garagiola;	International Business Machines Corporation;
1,125	11720547	2023-08-08	2020-11-03	Blockchain service based application generator	Vivek Vishal;	Sap Se;
1,126	11720549	2023-08-08	2021-04-30	Data stream integrity using blockchain	Nathaniel G McKervey; Paul Jean André Bernier; Siegfried Puchbauer; Min Zhang;	Splunk Inc.;
1,127	11720552	2023-08-08	2022-07-18	Domain name registry database	Ulvi Kasimov; Suleyman Kasimov;	Ukci Holdings Limited;
1,128	11720887	2023-08-08	2020-11-30	System, method and program product for depositing and withdrawing stable value digital assets in exchange for fiat	Brandon Arvanaghi; Eric Neiman Winer; Daniel William Halley James; Stephen Judkins; Alex Parkinson; Cameron Howard Winklevoss; Tyler Howard Winklevoss;	Gemini Ip, LLC;
1,129	11720906	2023-08-08	2021-02-26	Blockchain-based product authentication system	Thomas Chen; Jonathan Ko;	Touch Point Worldwide, Inc.;
1,130	11720907	2023-08-08	2022-08-15	Blockchain-based product authentication system	Thomas Chen; Jonathan Ko;	Touch Point Worldwide, Inc.;
1,131	11721417	2023-08-08	2019-11-06	Multi-dimensional cryptographically secured datastores for managing medical records	Sreelakshmi Kolli; Leon Rasovsky;	Align Technology, Inc.;
1,132	11722301	2023-08-08	2021-04-09	Blockchain ID connect	Armin Ebrahimi;	Ping Identity Corporation;
1,133	11722302	2023-08-08	2018-10-23	Computer-implemented systems and methods for combining blockchain technology with digital twins	Alexandra Covaci; Giuseppe Destefanis; Simone Madeo; Patrick Motylinski; Stephane Vincent;	Nchain Licensing Ag;
1,134	11722318	2023-08-08	2021-06-29	Message transmission methods and apparatuses	He Sun; Chao Zeng; Jiang Wang;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,135	11722324	2023-08-08	2020-03-11	Secure and accountable execution of robotic process automation	Thomas Joseph Foth; Francis Njoroge Kahura; Ernesto Valdes Forte;	Pricewaterhousecoopers Llp;
1,136	11722496	2023-08-08	2022-07-18	Tracking or storing of equipment configuration data using immutable ledger functionality of blockchains	Kevin M McBride; Hunter Rudd; James E Sutherland; Steven M Casey;	Centurylink Intellectual Property LLC;
1,137	11720711	2023-08-08	2021-01-29	System and method for interaction object management in a blockchain environment	Gustavo Manuel Damil Marin;	
1,138	11722316	2023-08-08	2020-07-08	Cryptographic communication system and cryptographic communication method based on blockchain	Younsung Chu; Junho Huh;	Samsung Electronics Co., Ltd.;
1,139	11714624	2023-08-01	2021-11-30	Managing and deploying applications in multi-cloud environment	Subhash Makhija; Huzaifa Matawala; Shivendra Singh Malik; Abdul Rasheed Nagoor Gani; Wael Yousef;	Nb Ventures, Inc.;
1,140	11714831	2023-08-01	2019-12-16	Data processing and classification	Subhash Makhija; Santosh Ganesh Dattatraya Bhat; Nishanth Koganti; Venkata Sri Harsha Vemuluru; Vikash Prasad;	Nb Ventures, Inc.;

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1,141	11714836	2023-08-01	2021-11-18	Method for high-performance traceability query oriented to multi-chain data association	Jiang Xiao; Jian Chang; Rui Han; Xiaohai Dai; Hai Jin;	Huazhong University of Science and Technology;
1,142	11714894	2023-08-01	2021-12-10	Authenticating client applications using an identity fabric blockchain	Carolyn Manis Sorensen;	Fmr Corp.;
1,143	11715099	2023-08-01	2017-12-20	Method and system for trust-based payments via blockchain	Lauren Grendon; Mamadou Alpha Barry; Edgar Marques; Julie Eloge Eboutou; Valerie Gann;	Mastercard International Incorporated;
1,144	11715340	2023-08-01	2022-11-21	Smart storage and vending system	Yale Badik; Deanna Felker;	Kure, LLC;
1,145	11716199	2023-08-01	2021-07-06	Blockchain generation apparatus, blockchain verification apparatus, and program	Hiroki Watanabe; Akihito Akutsu; Yasuhiko Miyazaki; Atsushi Nakadaira; Shigeru Fujimura; Junichi Kishigami;	Nippon Telegraph and Telephone Corporation;
1,146	11716201	2023-08-01	2019-05-17	System and method for maintaining usage records in a shared computing environment	Krzysztof Fabjański;	Assa Abloy Ab;
1,147	11716202	2023-08-01	2021-08-02	Techniques for secure blockchain routing	Quan Wang;	Visa International Service Association;
1,148	11716211	2023-08-01	2018-12-08	3D-printed packaging with blockchain integration	James L Schmeling; David A Divine; David S Thompson; Shay C Colson;	
1,149	11716333	2023-08-01	2021-07-27	System and method for single use, fixed process privilege elevation	Andrew J Mullin; Hai Van Nguyen; Jason S Thacker; Nicholas R Adam; Binh Nguyen;	Jpmorgan Chase Bank, N.a.;
1,150	11709819	2023-07-25	2020-09-30	Validating test results using a blockchain network	Jaione Tirapu Azpiroz; Ademir Ferreira da Silva; Percival Silva de Lucena; Matheus Esteves Ferreira; Ricardo Luis Ohta; Mathias B Steiner;	International Business Machines Corporation;
1,151	11709864	2023-07-25	2022-07-22	Restricted blockchain cluster	Jianju Liu; Aaron Jimenez; Wenxuan Xu; Jianglan Han;	Lendingclub Bank, National Association;
1,152	11710112	2023-07-25	2021-10-08	Blockchain-based transaction kiosk	Mohammed Adham; Nathaniel Wood;	Bitaccess Inc.;
1,153	11710129	2023-07-25	2021-06-21	Blockchain-based method and apparatus for managing biological asset object	Yingqiang Wu;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,154	11710509	2023-07-25	2022-02-01	Retroactive recording of a meeting	Dhirendra Kumar Bhupati;	Microsoft Technology Licensing, LLC;
1,155	11711202	2023-07-25	2019-05-29	Committing data to blockchain based on approximate hash verification	Praveen Jayachandran;	International Business Machines Corporation;
1,156	11711213	2023-07-25	2021-03-31	Master key escrow process	Arun Velagapalli; Nitin Mahendru; Arthur Britto; David Schwartz; Kimon Papahadjopoulos;	Polysign, Inc.;
1,157	11711218	2023-07-25	2020-08-30	Trust-based shard distribution apparatus and method for fault tolerant blockchain networks	Jong-Moon Chung; Ju Sik Yun; Yun Yeong Goh;	Industry-academic Cooperation Foundation, Yonsei University;
1,158	11711267	2023-07-25	2020-02-24	5G network slicing with distributed ledger traceability and resource utilization inferencing	Valerie J Parker; Neal Conrad Oliver; Stephen T Palermo; Hari K Tadepalli;	Intel Corporation;
1,159	11711286	2023-07-25	2020-09-27	Compliance mechanisms in blockchain networks	Petr Novotny; Jeronimo Irazabal; Nitin Gaur; Dulce B Ponceleon;	International Business Machines Corporation;
1,160	11711433	2023-07-25	2022-08-31	Systems and methods for asynchronous API-driven external application services for a blockchain	William K Devine; Emma J Scopino; Robert W Jenkins; Vinod Srinivasan;	The Travelers Indemnity Company;

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1,161	11710190	2023-07-25	2022-01-25	Blockchain subrogation claims with arbitration	Shawn M Call; Jaime Skaggs; Eric Bellas; Douglas A Graff; William J Leise; Vicki King; Jacob J Alt; Eric R Moore; Stacie A McCullough;	State Farm Mutual Automobile Insurance Company;
1,162	11711219	2023-07-25	2020-10-12	PKI-based user authentication for web services using blockchain	Minya Liang;	United Services Automobile Association (usaa);
1,163	11703348	2023-07-18	2021-01-05	Method and apparatus for enabling map updates using a blockchain platform	Justyna Zander;	Nvidia Corporation;
1,164	11704303	2023-07-18	2020-12-18	Method and system for processing transactions in a blockchain network	Meena Singh Dilip Thakur; Lakshmi Padmaja Maddali; Vigneswaran Ramachandran; Rajan Mindigal Alasingara Bhattachar; Srujana Kanchanapalli; Batsayan Das;	Tata Consultancy Services Limited;
1,165	11704429	2023-07-18	2021-10-28	Systems and methods for securing and disseminating time sensitive information using a blockchain	Akbar Ansari; Thomas Fay; Dominick Paniscotti;	Nasdaq, Inc.;
1,166	11704663	2023-07-18	2022-05-11	Method and system for blockchain-based vehicle identifiers and wallets for decentralized payments	Vijay Madisetti; Arshdeep Bahga;	
1,167	11704665	2023-07-18	2021-10-08	Method and system for offline data transfer via machine-readable code	Ankur Arora;	Mastercard International Incorporated;
1,168	11704759	2023-07-18	2019-11-27	Apparatuses, systems, and methods for obtaining and recording consent for a proposed object of consent for a digital agreement using a blockchain	Casey Kuhlman; Jan Hendrik Scheufen; Anjlee Khurana;	
1,169	11706017	2023-07-18	2020-10-14	Integration of blockchain-enabled readers with blockchain network using machine-to-machine communication protocol	Abilash Soundararajan; Michael Reid Tennefoss;	Hewlett Packard Enterprise Development LP;
1,170	11706023	2023-07-18	2021-05-10	System and method for mitigating international revenue share fraud	Divesh Srivastava; Yaron Kanza; Tamraparni Dasu; Teddy Chu; Shuaicheng Ma; Li Xiong;	At&t Intellectual Property I, L.p.; Emory University;
1,171	11706035	2023-07-18	2021-09-13	Signature verification using blockchain	Bruno Ciscato; Dominic Hart;	Red Hat, Inc.;
1,172	11706038	2023-07-18	2022-07-18	System and method for distributed PKI root	Darshak Thakore; Michael Glenn; Brian Alexander Scriber; Steven John Goeringer;	Cable Television Laboratories, Inc.;
1,173	11706076	2023-07-18	2021-01-22	Computer system with computing devices, communication device, task processing device	Yushi Shen; Congchong Ru; Zhengbin Yao; Chuanjun Ma;	Novnet Computing System Tech Co., Ltd.;
1,174	11706091	2023-07-18	2022-09-22	Method and a system for retrieving and applying dynamic policy rules in a network	Foteini Andriopoulou;	Unify Patente Gmbh & Co. Kg;
1,175	11706228	2023-07-18	2021-03-19	Customized view of restricted information recorded into a blockchain	Jordan Simons;	Americorp Investments LLC;
1,176	11706231	2023-07-18	2021-05-27	Distributed ledger for network security management	Ruthie D Lyle; Bharat Prasad; Eric David Schroeder; Minya Liang; Thomas Bret Buckingham; Gabriel C Fernandez;	United Services Automobile Association (usaa);
1,177	11706280	2023-07-18	2019-03-18	Methods and system for auditing batch jobs using blockchain	Bilgin Ismet Ibryam;	Red Hat, Inc.;
1,178	11706617	2023-07-18	2019-08-21	Authenticating radio access network components using distributed ledger technology	Om Prakash Suthar; Rajiv Asati; Santanu Dasgupta;	Cisco Technology, Inc.;
1,179	11698840	2023-07-11	2021-08-12	Transaction consensus processing method and apparatus for blockchain and electronic device	Xiaojun Liao;	Advanced New Technologies Co., Ltd.;
1,180	11698897	2023-07-11	2019-09-18	Cascading family of blockchains	Ganesh Krishnan; Dharmesh Dadbhawala; Ashish Baluja; Bhaumik Dedhia;	Boardwalktech, Inc;

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#	Patent No	Pub. Date	Filed	Title	Inventors	Assignees
1,181	11698986	2023-07-11	2020-12-11	Decentralized encryption and decryption of blockchain data	Michal Knas; Jiby John; Rick Ferry; Krzysztof Gibadlo;	Massachusetts Mutual Life Insurance Company;
1,182	11699135	2023-07-11	2021-03-17	Method and system to delegate issuance capability to a third-party	Sébastien Le Callonnec; Rakesh Yadav; Sarala Buradagunta;	Mastercard International Incorporated;
1,183	11699166	2023-07-11	2018-10-23	Multi-merchant loyalty point partnership	Calvin Chan; Christopher Cracchiolo; Andras Ferenczi; Harish R Naik; Andrew Martin Baal Thomas;	American Express Travel Related Services Company, Inc.;
1,184	11699186	2023-07-11	2021-04-09	Systems and methods for IT supply chain management on a distributed platform	Delano Seymour; Douglas Steele; John Cowan;	Edjx, Inc.;
1,185	11699203	2023-07-11	2019-02-20	Digital property authentication and management system	Lewis C Lee; Daniel Crouse; David Craig Andrews; Samuel Cameron Fleming; Samuel John Desmond; Lewis Brendan Lee;	Aon Risk Services, Inc. of Maryland;
1,186	11699310	2023-07-11	2020-07-22	Blockchain ledger validation and service	James John Margaria, Jr;	Motional Ad LLC;
1,187	11700113	2023-07-11	2022-03-21	Audit result data storage method and device, audit result data query method and device, and audit item storage method and device	Dongyan Wang; Maocai Li; Bo Li; Haitao Tu;	Tencent Technology (shenzhen) Company Limited;
1,188	11700133	2023-07-11	2020-10-13	Zero-knowledge proof-based certificate service method using blockchain network, certification support server using same, and user terminal using same	Jay Wu Hong; Kyoo Hyung Han;	Coinplug, Inc.;
1,189	11700249	2023-07-11	2020-05-13	Systems and methods for user authentication based on a genetic sequence	Ofer A Lidsky;	
1,190	11700265	2023-07-11	2021-01-20	Customized view of restricted information recorded into a blockchain	Jordan Simons;	Americorp Investments LLC;
1,191	11693979	2023-07-04	2019-11-27	Dynamic permission assignment and enforcement for transport process	Ana C Biazetti; Craig Andrew Lanzen; Dillon Dierker Lees; Aaron Lieber; Nis David Nømark Jespersen; Thiago Rodrigues;	International Business Machines Corporation; Gtd Solution Inc.;
1,192	11694110	2023-07-04	2019-06-12	Aggregated machine learning verification for database	Venkata Sitaramagiridharganesh Ganapavarapu; Kanthi Sarpatwar; Karthikeyan Shanmugam; Roman Vaculin;	International Business Machines Corporation;
1,193	11694193	2023-07-04	2017-04-28	Implementing logic gate functionality using a blockchain	Craig Steven Wright; Stephane Savanah;	Nchain Licensing Ag;
1,194	11694196	2023-07-04	2017-10-24	Method and system for directing an exchange associated with an anonymously held token on a blockchain	Gavin Allen;	Nchain Licensing Ag;
1,195	11694197	2023-07-04	2021-11-30	Object oriented smart contracts for UTXO-based blockchains	Clemens Ley;	Bcdb, Inc.;
1,196	11694198	2023-07-04	2019-02-01	System and method for transferring resources using a blockchain	Silvia Bartolucci; Pauline Bernat; Daniel Joseph; Craig Steven Wright;	Nchain Licensing Ag;
1,197	11694206	2023-07-04	2022-06-02	Systems and methods for a graphical user interface with intelligent network expansion	Maxwell David Galka;	Elementus Inc.;
1,198	11694234	2023-07-04	2021-04-29	Decentralized privacy-preserving rewards with cryptographic black box accumulators	Goncalo Pestana; Benjamin Livshits;	Brave Software, Inc.;
1,199	11694258	2023-07-04	2020-10-19	Systems, methods, and devices for generating and trading environmental credits	Thuy Ngoc Nguyen; Piotr Boleslaw Koszmider;	Tergo, LLC;
1,200	11694264	2023-07-04	2022-08-31	Blockchain instrument for transferable equity	Thomas Marshall Gordon, III; Joseph W Forbes, Jr; Gregory Frederick Bush;	Equity Shift, Inc.;

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1,201	11694282	2023-07-04	2022-06-23	Computer implemented blockchain-based system for agricultural products	David Behrends; Diana Kaliff; Darby McNee Bodden; Fabian Portmann; Jaqueline Tomasini Castro;	Farmer Connect Sa;
1,202	11694513	2023-07-04	2021-08-10	Anti-fraud cloud gaming blockchain	Bryan Cotta;	Sony Interactive Entertainment Inc.;
1,203	11695543	2023-07-04	2020-08-20	Blockchain network control system and methods	Stephen J Meyers; Alec D Iverson;	Myndshft Technologies, Inc.;
1,204	11695544	2023-07-04	2020-09-15	Method and system to execute and record transactions for a key in a blockchain	Ramesh Lingala; Gowthami Vuradi; Adam Kuenzi;	Carrier Corporation;
1,205	11695545	2023-07-04	2020-12-11	Systems and methods for controlled random endorsement in a blockchain network	Pradeep Menon; Rahul Koneru;	Verizon Patent and Licensing Inc.;
1,206	11695552	2023-07-04	2021-03-25	Quantum key distribution in a multi-cloud environment	Grzegorz Piotr Szczepanik; Kushal S Patel; Lukasz Jakub Palus; Sarvesh S Patel;	International Business Machines Corporation;
1,207	11695553	2023-07-04	2020-09-08	Generation of a multi-user contextual portfolio of private keys and use of such a portfolio	Christine Hennebert; Florian Barrois;	Commissariat a L'energie Atomique Et Aux Energies Alternatives;
1,208	11695566	2023-07-04	2021-12-16	Method and apparatus for recording mileage data of vehicle on blockchain	Fei Chen; Wei Zhang; Gang Qian; Yanyu Chen; Ruixue Wang; Ziyu Liu;	Zhiji Automotive Technology Co., Ltd.;
1,209	11695567	2023-07-04	2018-04-06	Securing blockchain transaction based on undetermined data	Ying Chan;	Nchain Licensing Ag;
1,210	11695570	2023-07-04	2021-12-27	Quantum-safe blockchain vault system	Phillip H Griffin;	Wells Fargo Bank, N.a.;
1,211	11695573	2023-07-04	2021-07-23	Blockchain controlled cross-domain data transfer	Timothy Olson; Petr Novotny; Nitin Gaur;	International Business Machines Corporation;
1,212	11695578	2023-07-04	2021-07-13	Systems and methods for storing and sharing transactional data using distributed computer systems	Johan Toll; Fredrik Sjöblom;	Nasdaq Technology Ab;
1,213	11695735	2023-07-04	2019-05-10	Security management for net worked client devices using a distributed ledger service	Jay Fallah; Kristopher Byrne; Kevin John Oerton; Josef Zankowicz; Scott Rankine;	Nxm Labs, Inc.;
1,214	11695741	2023-07-04	2020-05-28	Blockchain network incorporating an individual's geo-location via a communication network and applications using the same	Tarik Tali; Hassan Zili; Abdelhak Tali;	Taliware, Inc.;
1,215	11693393	2023-07-04	2020-09-25	Blockchain method for controlling an industrial process	Stefan Heinz Emmert; Maximilian Eugen Stahl;	Schneider Electric Industries Sas;
1,216	11695755	2023-07-04	2021-09-30	Identity proofing and portability on blockchain	Jose Caldera; Kieran Gerard Sherlock;	Acuant, Inc.;
1,217	11687054	2023-06-27	2017-08-28	Method for verifying a value stream along a transport route or in warehouse stock by means of blockchain technology	Nikolai Fink; Michael Gunzert; Dietmar Spanke; Ulrich Kaiser; Dimitri Mousko;	Endress+hauserse+co. Kg;
1,218	11687499	2023-06-27	2020-07-06	Scalable cryptocosm platform	George F Tibsherany;	Zobocoo LLC;
1,219	11687522	2023-06-27	2020-09-01	High performance distributed system of record with delegated transaction signing	William R Sears; David C Carver; Leen AlShenibr; Daniel Franke;	Akamai Technologies, Inc.;
1,220	11687562	2023-06-27	2021-08-18	Apparatus and method for adaptively managing sharded blockchain network based on deep Q network	Jong-Moon Chung; Ju Sik Yun; Yun Yeong Goh;	Industry-academic Cooperation Foundation, Yonsei University;

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1,221	11687664	2023-06-27	2021-07-26	Blockchain-based file storage device and file access authorization system and method	Hsiu-Te Lin;	
1,222	11687755	2023-06-27	2022-01-24	System and apparatus for encrypted data collection using RFID cards	Kevin Osborn; James Zarakas; Saleem Sangi; Jeffrey Rule;	Capital One Services, LLC;
1,223	11687899	2023-06-27	2021-03-16	Systems and methods for sharing user inventory information to initiate a peer-to-peer exchange of a non-fungible digital asset	Rudy Koch;	Mythical, Inc.;
1,224	11687904	2023-06-27	2019-11-04	Downstream tracking of content consumption	Dulce B Ponceleon; Nitin Gaur; Peter Guglielmino;	International Business Machines Corporation;
1,225	11687916	2023-06-27	2021-09-29	Decisional architectures in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
1,226	11687921	2023-06-27	2020-09-23	Method and device for control of blockchain data access based on smart contract	Hehe Wang; Yuzhuang Xu; Tao Zhu; Yu Zhou;	China Unionpay Co., Ltd.;
1,227	11687922	2023-06-27	2018-06-11	Systems and methods for addressing security-related vulnerabilities arising in relation to off-blockchain channels in the event of failures in a network	John Fletcher;	Nchain Licensing Ag;
1,228	11687923	2023-06-27	2020-05-29	Systems and methods for facilitating tokenization of modifiable game assets on a distributed blockchain	Stephan Cunningham; John Linden; Cameron Thacker;	Mythical, Inc.;
1,229	11687942	2023-06-27	2019-05-20	Method and apparatus for processing account of blockchain network, and storage medium	Wei Xiao;	Baidu Online Network Technology (beijing) Co., Ltd.;
1,230	11687948	2023-06-27	2020-03-16	Adjusting weights of weighted consensus algorithms for blockchains	Prasanth Mathew Varghese; Sindhu Pasumarthy;	Paypal, Inc.;
1,231	11689355	2023-06-27	2021-03-04	Method and system for the atomic exchange of blockchain assets using transient key pairs	Steven C Davis;	Mastercard International Incorporated;
1,232	11689356	2023-06-27	2022-09-20	Approximate hash verification of unused blockchain output	Praveen Jayachandran;	International Business Machines Corporation;
1,233	11689366	2023-06-27	2022-06-30	Cryptoasset custodial system with vault-specific rules governing different actions allowed for different vaults	Diogo Monica; Nathan P McCauley; Boaz Avital; Riyaz D Faizullabhoy;	Anchor Labs, Inc.;
1,234	11689372	2023-06-27	2020-01-02	Secure, energy-efficient public blockchain	Dennis E Shasha;	New York University;
1,235	11689374	2023-06-27	2022-11-14	Blockchain-enhanced proof of identity	Guy Harrison; Michael Harrison; Steven Cedro;	Onespan Canada Inc.;
1,236	11689513	2023-06-27	2020-07-17	Blockchain operating system	Jordan Simons;	Americorp Investments LLC;
1,237	11689539	2023-06-27	2021-03-12	Blockchain-based commercial inventory systems and methods	Jordan Simons;	Americorp Investments LLC;
1,238	11689616	2023-06-27	2019-05-25	Optimization of delivery of blocks	Petr Novotny; Shiqiang Wang; Qi Zhang; Venkatraman Ramakrishna;	International Business Machines Corporation;
1,239	11689658	2023-06-27	2022-07-25	Systems and methods for blockchain wireless services in a controlled environment	Michael Francis Byrne; Brian Francis Byrne;	
1,240	11689660	2023-06-27	2020-12-03	Methods and systems for detecting disinformation and blocking robotic calls	Eric Adolphe; Jesse Cai; Karthik Prasanna Maiya; Hongyi Guan; Ben Sisko Adolphe;	

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1,241	11687624	2023-06-27	2021-01-11	Contents blockchain platform	Young Sik Bae;	Whoborn Inc.;
1,242	11681551	2023-06-20	2021-10-12	Resource trust model for securing component state data for a resource using blockchains	Michael Chan; Derek Chamorro; Venkata Siva Vijayendra Bhamidipati; Arpit Jain;	Ebay, Incorporated;
1,243	11681688	2023-06-20	2021-02-26	Immutable and decentralized storage of computer models	Ilana Alexandra Golbin; Joseph David Voyles; Kris Douglas Kersey; Thomas Joseph Foth;	Pricewaterhousecoopers Llp;
1,244	11681787	2023-06-20	2022-10-14	Ownership validation for cryptographic asset contracts using irreversibly transformed identity tokens	Gareth Neville Genner;	T Stamp Inc.;
1,245	11681811	2023-06-20	2021-12-29	Cybersecurity for configuration and software updates of vehicle hardware and software based on fleet level information	Sunil Dixit;	Northrop Grumman Systems Corporation;
1,246	11681886	2023-06-20	2019-09-04	Genomic and environmental blockchain sensors	John P Peeters;	
1,247	11681992	2023-06-20	2020-11-17	Blockchain-based supply chain payment network	Jun Yan;	Tradove, Inc.;
1,248	11682003	2023-06-20	2019-10-18	Systems and methods for charitable giving using blockchain cryptocurrency	Avrohom Meir Gluck;	Avrohom Meir Gluck;
1,249	11682014	2023-06-20	2022-06-10	Method and apparatus for operating blockchain system, device and storage medium	Chunhui Wan; Tong Jin;	Beijing Baidu Netcom Science Technology Co., Ltd;
1,250	11682015	2023-06-20	2022-10-17	Multi-layer digital asset architecture for virtual and mixed reality environments	Christopher Andon; Hien Tommy Pham; David S Nay;	Nike, Inc.;
1,251	11682025	2023-06-20	2021-06-25	Digital appraisal system providing computational attestation of appraisal integrity	Alison Heiss McLaney;	Digipraise LLC;
1,252	11682082	2023-06-20	2021-03-30	Evidence oracles	William J Leise; Douglas A Graff; Anthony McCoy; Jaime Skaggs; Shawn M Call; Stacie A McCullough; Wendy H Clayton; Melinda Teresa Magerkurth; Kim E Flesher; Travis Charles Runge;	State Farm Mutual Automobile Insurance Company;
1,253	11682095	2023-06-20	2020-08-05	Methods and apparatus for performing agricultural transactions	Mark Coast;	
1,254	11683152	2023-06-20	2020-10-09	System and method using a locally referenced blockchain	Andrea Hoeller; Walther Pachler;	Infineon Technologies Ag;
1,255	11683153	2023-06-20	2021-03-30	Blockchain configuration for secure content delivery	Artin Nazarian; Mark Arana; Derek Prestegard;	Disney Enterprises, Inc.;
1,256	11683154	2023-06-20	2021-10-13	Access to data broadcast in encrypted form based on blockchain	Davide Fazzone; Luigi Lombardi; Vinicio Bombacino; Andrea Tortosa;	International Business Machines Corporation;
1,257	11683164	2023-06-20	2018-12-07	System and method for securely sharing cryptographic material	Alexandra Covaci; Simone Madeo; Patrick Motylinski; Stephane Vincent;	Nchain Licensing Ag;
1,258	11683173	2023-06-20	2020-12-08	Consensus algorithm for distributed ledger technology	Bartlomiej Stanislaw Filipek; Maciej Snopczynski; Michal Zarakowski; Karol Oleszek;	International Business Machines Corporation;
1,259	11683180	2023-06-20	2022-05-26	Protecting digital media with nested hashing techniques	Jason Lealand Crawforth;	Swear Inc.;
1,260	11683185	2023-06-20	2020-02-06	Entity certification management	Igor Anatolyevich Naumov; Yichong Yu;	International Business Machines Corporation;

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1,261	11683189	2023-06-20	2020-03-19	Method and system for maintaining privacy and traceability of blockchain-based system	Jian Weng; Yue Zhang; Jiasi Weng; Ming Li; Weiqi Luo;	Jinan University;
1,262	11683413	2023-06-20	2019-07-01	Number management system, number management method, number management device and number management program	Kenta Shinohara; Noritaka Horikome;	Nippon Telegraph and Telephone Corporation;
1,263	11683672	2023-06-20	2021-11-04	Distributed ledger control over wireless network slices	Lyle Walter Paczkowski;	T-mobile Innovations LLC;
1,264	11682053	2023-06-20	2019-06-20	Blockchain tracking and managing of a transaction incented by a merchant donation to a consumer affinity	Terrance Patrick Tietzen; Matthew Arnold Macpherson Bates; Michael J Kimball;	Edatanetworks Inc.;
1,265	11673722	2023-06-13	2018-04-23	Method and system for secure courier transport and data storage via blockchain	Rachit Verma; Nishant Maheshwari; Gayatri Dwivedi;	Mastercard International Incorporated;
1,266	11675577	2023-06-13	2021-03-01	Systems and methods of orchestrating nodes in a blockchain network	Evgeny A Aseev;	Chainstack Pte. Ltd.;
1,267	11675854	2023-06-13	2020-01-20	Conflict-free version control	Yedendra Shrinivasan; Krishna Chaitanya Ratakonda; Rak-Joon Choi;	International Business Machines Corporation;
1,268	11676117	2023-06-13	2020-05-07	Blockchain compliance verification network	Nitin Gaur; Malavan Balanavaneethan; Mayuran Satchithanantham; Hung Chung Kuo; Chung Yu Huang;	International Business Machines Corporation;
1,269	11676132	2023-06-13	2021-05-18	Smart contracts in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
1,270	11676133	2023-06-13	2020-08-14	Method and system for mobile cryptocurrency wallet connectivity	Peter Jihoon Kim;	Coinbase, Inc.;
1,271	11676135	2023-06-13	2020-01-14	Blockchain consensus protocol using predictive proof of metrics	Venkata Siva Vijayendra Bhamidipati; Derek Chamorro; Michael Chan; Arpit Jain; Ashok Srinivasa Murthy; Anirudh Kamalapuram Muralidhar;	Ebay, Incorporated;
1,272	11676139	2023-06-13	2019-06-26	Blockchain adapter, protocol, and access layer	Zhihong Mao; Peiling Ding; Tian Chen;	Arcblock, Inc.;
1,273	11676144	2023-06-13	2020-11-12	Hierarchy-based blockchain	Ryan Marsh;	Citibank, N.a.;
1,274	11677542	2023-06-13	2018-05-17	Ad-hoc smart contract generation in a blockchain	Garfield Vaughn; Tetiana Iakovenko; Marcelo A Martins; Nitin Gaur; Rolando Franco;	International Business Machines Corporation;
1,275	11677564	2023-06-13	2020-07-15	System and method using distributed blockchain database	Christofer Hardy; David Abraham;	Dish Network L.l.c.;
1,276	11677569	2023-06-13	2020-11-13	Systems and methods for notary agent for public key infrastructure names	David V Duccini; Phillip H Griffin; Jeffrey J Stapleton;	Wells Fargo Bank, N.a.;
1,277	11677572	2023-06-13	2022-03-03	Permission-controlled smart contract upgrade method and system based on smart contract, blockchain node, and storage medium	Wei Li; Weiwei Qiu; Keting Yin; Qilei Li; Jialei Rong; Zhiqiang Wu;	Hangzhou Qulian Technology Co., Ltd.;
1,278	11677712	2023-06-13	2020-12-29	Distributed domain name resolution and method for use of same	Scott Gaydos; Robert Otting;	Etherweb Technologies LLC;
1,279	11677728	2023-06-13	2021-08-31	Secure authorization and transmission of data between trustless actors	Abhilash Jayakumar; Harrison Dahme; Nishil Shah; Morgan Roman; Zachary Blacher;	Coinbase, Inc.;
1,280	11677756	2023-06-13	2021-05-26	Risk adaptive protection	Richard A Ford;	Forcepoint LLC;

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1,281	11676142	2023-06-13	2019-09-05	Blockchain architecture, system, method and device for automated cybersecurity and data privacy law compliance with proprietary off-chain storage mechanism	H Anthony DeRosa-Grund;	Atrium Separate IP Holdings Number 4, LLC;
1,282	11676143	2023-06-13	2020-05-18	Systems and methods for blockchain transaction management	Bojan Joveski; Alexander Kern; Vipul Patil; Sahil Amoli; Justin O'Brien; Peter Jihoon Kim; Daniel Que; Tyson Battistella; Nikhil Srinivasan;	Coinbase, Inc.;
1,283	11669148	2023-06-06	2022-01-18	Method for supplying blockchain computing power and system thereof	Liang Lu;	
1,284	11669598	2023-06-06	2022-06-17	Authenticating media data based on metadata encoding	Jason Lealand Crawforth; Michael Robert Blood;	Swear Inc.;
1,285	11669811	2023-06-06	2019-09-26	Blockchain-based digital token utilization	Suki Ramasamy; Sasidhar Purushothaman;	Bank of America Corporation;
1,286	11669831	2023-06-06	2021-04-07	Tokenized asset backed by government bonds and identity and risk scoring of associated token transactions	Miles Paschini; Nitin Agarwal;	
1,287	11669832	2023-06-06	2017-07-21	Blockchain-implemented method and system for access control on remote internet-enabled resources	Stephane Vincent; Craig Steven Wright;	Nchain Licensing Ag;
1,288	11669833	2023-06-06	2022-10-25	Blockchain endpoint protection	Andrew Cheung; Alexey Shpurov; Serguei Strakhov;	01 Communique Laboratory Inc.; Talen Summit Holdings Limited;
1,289	11669835	2023-06-06	2021-12-08	Systems and methods of verifying installation of building automation devices	Weilun Huang; Chunfu Li; Zhi Wang; Xing Yin; Chen Shi;	Honeywell International Inc.;
1,290	11669836	2023-06-06	2017-12-15	Computer-implemented systems and methods to enable complex functionality on a blockchain while preserving security-based restrictions on script size and opcode limits	Stephane Vincent;	Nchain Licensing Ag;
1,291	11669841	2023-06-06	2020-10-12	Systems and methods for blockchain based payment networks	Sastry Durvasula; Andras Ferenczi; Upendra Mardikar; Keshav Narsipur; Vishnuvajhala Subrahmanyam; Sathish B Muthukrishnan;	American Express Travel Related Services Company, Inc.;
1,292	11671240	2023-06-06	2020-06-26	Data access control with a confidential blockchain network	Jonathan J Gollogly;	Microsoft Technology Licensing, LLC;
1,293	11671242	2023-06-06	2020-02-01	Ubiquitous, industry agnostic platform for automated, smart contract based, real time trusted transactions	Moustafa Mohamed Amin; Mayande Gowon Walker;	Openct, Ag;
1,294	11671244	2023-06-06	2021-03-24	Blockchain technology for data integrity regulation and proof of existence in data protection systems	Assaf Natanzon; David Zlotnick;	Emc IP Holding Company LLC;
1,295	11671252	2023-06-06	2022-07-12	System and method for internal etching surfaces of transparent materials with information pertaining to a blockchain	Omar Besim Hakim;	Ellansalabs Inc.;
1,296	11671256	2023-06-06	2022-08-09	Distributed consent protecting data across systems and services	Jordan Simons;	Americorp Investments LLC;
1,297	11671257	2023-06-06	2021-06-21	Mobility data storage method and system	Haolun Huang; Tatsuya Okabe; Himank Gupta;	Denso Corporation;
1,298	11671261	2023-06-06	2020-11-10	Ledger-based artificial intelligence data storing	Bijoyendra Nath; Scott R Warmka;	Seagate Technology Incorporated;
1,299	11671262	2023-06-06	2020-05-29	Asynchronously determining relational data integrity using cryptographic data structures	Panagiotis Antonopoulos; Jakub J Szymaszek; Raghav Kaushik; Conor J Cunningham;	Microsoft Technology Licensing, LLC;
1,300	11671263	2023-06-06	2019-08-30	Cryptographically securing data files in a collaborative environment	Aaron Drake; Lee Miller London;	T-mobile Usa, Inc.;

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1,301	11671414	2023-06-06	2018-02-07	Blockchain-based authentication method and system	Matteo Signorini; Roberto DiPietro; Wael Kanoun;	Nokia Technologies Oy;
1,302	11671432	2023-06-06	2019-04-18	Portable trust rating method and system	Riccardo Vieri;	
1,303	11671991	2023-06-06	2021-07-08	Method and system for resource management in blockchain based iot network	Ishan Rastogi; Rahul Rajendra Sonanis; Umang Goel; Siddharth Lal; Yeonhyang Kim; Aloknath De;	Samsung Electronics Co., Ltd.;
1,304	11669532	2023-06-06	2022-01-14	Blockchain implementing reliability database	Kohichi Kamijoh;	International Business Machines Corporation;
1,305	11663170	2023-05-30	2020-08-17	Method for associating data between a plurality of blockchain networks and apparatus thereof	Young Woon Kwon; Jung Woo Cho; Hwa Yong Oh; Han Saem Seo; Sang Won Lee;	Samsung Sds Co., Ltd.;
1,306	11663197	2023-05-30	2018-10-31	Convolutional and ephemeral datachains with conditional period	Anton Yegorin;	International Business Machines Corporation;
1,307	11663506	2023-05-30	2020-04-06	Estimation of power consumption of proof of work consensus based distributed systems	Emanuele Ragnoli; Sean A McKenna;	International Business Machines Corporation;
1,308	11663564	2023-05-30	2020-07-31	Creating and managing private electronic currency	Joon Maeng;	Wells Fargo Bank, N.a.;
1,309	11663595	2023-05-30	2018-03-27	Blockchain transactional identity verification	Jason Houseworth; Travis Giggy; Roman Breslav; Daniel D Martin;	Hrb Innovations, Inc.;
1,310	11663609	2023-05-30	2016-10-04	Method and apparatus to enforce smart contract execution hierarchy on blockchain	Konstantinos Christidis; Anna D Derbakova; Nitin Gaur; Praveen Jayachandran; Srinivasan Muralidharan;	International Business Machines Corporation;
1,311	11663610	2023-05-30	2020-03-05	Method and system for providing a service node within a blockchain	Sarala Buradagunta; Rakesh Yadav;	Mastercard International Incorporated;
1,312	11663672	2023-05-30	2018-12-27	User interface log validation via blockchain system and methods	Andreas Adamec;	Nanthealth, Inc.;
1,313	11664851	2023-05-30	2021-10-12	Payment system for wireless power sharing	Christopher V Beckman;	
1,314	11664972	2023-05-30	2018-11-05	Method for linking a first data block to a second data block, method for checking the integrity of a blockchain structure, device and computer program product	Andreas Wilke; David Fabian; Ilya Komarov;	Bundesdruckerei Gmbh;
1,315	11664973	2023-05-30	2020-04-21	Trust-varied relationship between blockchain networks	Nitin Gaur; Petr Novotny; Dulce B Ponceleon;	International Business Machines Corporation;
1,316	11664986	2023-05-30	2022-04-20	System and method for etching internal surfaces of transparent gemstones with information pertaining to a blockchain	Omar Besim Hakim;	Ellansalabs Inc.;
1,317	11664995	2023-05-30	2019-04-19	Decentralized document and entity verification engine	Vishal Gupta;	
1,318	11665005	2023-05-30	2021-08-10	Event communication and verification through a blockchain network	Sukrit Handa; Suman Mukherjee; Timothy P Tidwell; Ajith Thekadath;	Visa International Service Association;
1,319	11665147	2023-05-30	2021-03-08	Blockchain systems and methods for user authentication	Jonathan Weimer; Ryan Fox;	Capital One Services, LLC;
1,320	11665197	2023-05-30	2021-08-12	Apparatus and method for distinguishing between legitimate and malicious branches of a split blockchain	Xiaohu Chen; Xinle Yang; Yang Chen;	Moac Blockchain Tech Inc.;

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1,321	11665234	2023-05-30	2021-06-29	Methods and apparatuses for synchronizing data based on blockchain integrated station	Zongru Zhan; Xiaoli Liu; Jiang Wang; Zheng Cao; Chao Zeng; Fuxi Deng;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,322	11665246	2023-05-30	2021-11-22	Methods and apparatus for incentivizing participation in fog networks	Richard Cameron Murphy; Fa-Long Luo;	Micron Technology Incorporated;
1,323	11665275	2023-05-30	2019-07-01	Number management system, number management method, number management device and number management program	Kenta Shinohara; Noritaka Horikome;	Nippon Telegraph and Telephone Corporation;
1,324	11663348	2023-05-30	2018-12-21	Dynamic entitlement for blockchain data	Yi-Min Chee; Justin Gregory Manweiler; Ashish Jagmohan; Krishna C Ratakonda;	International Business Machines Corporation;
1,325	11663593	2023-05-30	2021-10-19	Hierarchy-based blockchain	Ryan Marsh;	Citibank, N.a.;
1,326	11664987	2023-05-30	2020-10-26	Updating public key certificates in network devices using a blockchain network	Gopal Gupta; Nagendra Babu Rapaka; Abhinesh Mishra; Amit Agrawal;	Hewlett Packard Enterprise Development LP;
1,327	11665172	2023-05-30	2020-05-08	Systems and methods for processing optimizations and templating using metadata-driven blockchain techniques	Sanzib Khaund;	Live Nation Entertainment, Incorporated;
1,328	11657040	2023-05-23	2020-10-30	Blockchain machine network acceleration engine	Ji Yang; Haris Javaid; Sundararajarao Mohan; Gordon John Brebner;	Xilinx, Inc.;
1,329	11657062	2023-05-23	2020-01-14	General purpose blockchain	David Bernard Thaw; Hyung Kyu Kang;	
1,330	11657164	2023-05-23	2020-09-24	Decentralized policy publish and query system for multi-cloud computing environment	Pengfei Wu; Stephen J Todd; Kun Wang;	Emc IP Holding Company LLC;
1,331	11657176	2023-05-23	2020-03-26	Blockchain-based mechanisms for secure health information resource exchange	Douglas A Bulleit; Bharat Chand Aluri; Fred Thomas Danner, III; Charles Clifton Miller, III; Mark Lloyd Braunstein;	Health Blockchain Convergence, Inc.;
1,332	11657460	2023-05-23	2022-08-19	Using historical data for subrogation on a distributed ledger	William J Leise; Douglas A Graff; Anthony McCoy; Jaime Skaggs; Shawn M Call; Stacie A McCullough; Wendy H Clayton; Melinda Teresa Magerkurth; Kim E Flesher; Travis Charles Runge;	State Farm Mutual Automobile Insurance Company;
1,333	11657461	2023-05-23	2020-03-02	System and method of initiating a collateral action based on a smart lending contract	Charles Howard Cella;	Strong Force Tx Portfolio 2018, LLC;
1,334	11657723	2023-05-23	2020-09-25	Management device	Kei Nakajima; Hirotaka Uchitomi;	Honda Motor Co., Ltd.;
1,335	11658801	2023-05-23	2018-10-29	System for securing verification key from alteration and verifying validity of a proof of correctness	Alexandra Covaci; Simone Madeo; Patrick Motylinski; Stephane Vincent;	Nchain Licensing Ag;
1,336	11658804	2023-05-23	2021-05-11	Systems and methods for blockchains with serial proof of work	Andrew Jonathan Leker; Matthew Drew Birder; Allison Phuong Huynh; Mark Thomas Wallace;	Mydream Interactive, Inc.;
1,337	11658805	2023-05-23	2021-08-16	Secure transmission of electronic health records via blockchain	Noel J Guillama; Chester A Heath;	
1,338	11658816	2023-05-23	2021-04-14	Document control system for blockchain	David Gerard Ledet;	Philips North America LLC;
1,339	11658824	2023-05-23	2021-06-07	Plagiarism detection from encrypted documents	Yedendra Shrinivasan; Krishnasuri Narayanam; Akshar Kaul; Pankaj Satyanarayan Dayama;	International Business Machines Corporation;
1,340	11658825	2023-05-23	2017-07-04	Securing an item of device use information of a device	Rainer Falk;	Siemens Aktiengesellschaft;

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1,341	11658830	2023-05-23	2019-09-05	Systems and method for ridesharing using blockchain	Dominique Meroux; Zhen Jiang;	Ford Global Technologies, LLC;
1,342	11658833	2023-05-23	2022-12-06	Systems and methods for conducting cryptographically secure actions in public, non-permissioned blockchains using bifurcated self-executing programs	Shishir Singh; Jonathan Miles Collin Rosenoer; Andres Wolberg-Stok; Biser Dimitrov;	Citibank, N.a.;
1,343	11658978	2023-05-23	2021-03-23	Authentication using blockchains	Manu J Kurian;	Bank of America Corporation;
1,344	11658985	2023-05-23	2022-03-29	Utilizing blockchains to implement named data networking	Kevin M McBride; Stephen Opferman; Steven M Casey; William O'Brien, Jr;	Centurylink Intellectual Property LLC;
1,345	11659031	2023-05-23	2020-12-14	Blockchain based peer-to-peer content sharing apparatus for blocking illegal contents	Sangmin Lee; Sangheun Oh;	Samsung Electronics Co., Ltd.;
1,346	11659682	2023-05-23	2020-11-20	Portable blockchain mining systems and methods of use	Stephen Barbour;	Upstream Data Inc.;
1,347	11650846	2023-05-16	2020-02-21	Method, device, and computer program product for job processing	Pengfei Wu; YuHong Nie; Jinpeng Liu;	Emc IP Holding Company LLC;
1,348	11650955	2023-05-16	2021-03-04	Systems and methods for distributed data storage and delivery using blockchain	Mahender Adluri; Robert Taylor;	Consensus Cloud Solutions, LLC;
1,349	11651036	2023-05-16	2021-02-05	Integrated index blocks and searching in blockchain systems	Eric Allan Bier; Shantanu Rane;	Palo Alto Research Center Inc.;
1,350	11651056	2023-05-16	2019-08-30	Cryptographically managing license compatibility	Aaron Drake; Lee Miller London;	T-mobile Usa, Inc.;
1,351	11651082	2023-05-16	2020-07-10	Blockchain applicability framework	Sri Nikhil Gupta Gourisetti; Michael E Mylrea; Hirak Patangia;	Battelle Memorial Institute; University of Arkansas;
1,352	11651096	2023-05-16	2020-08-24	Systems and methods for accessing digital assets in a blockchain using global consent contracts	Frank J Ricotta, Jr; Brian Jackson; Tyson Henry; Amber Mortensen Hartley;	Burstiq, Inc.;
1,353	11651109	2023-05-16	2021-01-12	Permission management method, permission verification method, and related apparatus	Pan Liu;	Tencent Technology (shenzhen) Company Limited;
1,354	11651321	2023-05-16	2022-08-23	Secure shipping interactions using blockchains	Nambi Sankaran; Constanza Maria Heath; Someshekhar Banerjee; David John Kamalsky; Abhishek Pandey; Mikhail Tsirelson;	Ebay, Incorporated;
1,355	11651335	2023-05-16	2020-02-28	Methods and devices for controlling a mining pool for multiple blockchain networks	Angus Adams; Steven Patrick Coughlan;	Nchain Licensing Ag;
1,356	11651353	2023-05-16	2020-08-26	Platform for coordinated credit-based and non-custodial digital asset settlement	Carson Raymond Cook;	Membrane Labs Inc.;
1,357	11651360	2023-05-16	2016-11-21	Triggering actions responsive to blockchain transactions	Douglas G Kinnaird; Ruiping Li; Brian M O'Connell; Susan K Schreitmueller; Shelbee D Smith-Eigenbrode; David D Weck;	Kyndryl, Inc.;
1,358	11651362	2023-05-16	2022-03-14	Method and system for zero-knowledge and identity based key management for decentralized applications	Vijay Madisetti; Arshdeep Bahga;	
1,359	11651366	2023-05-16	2020-09-04	Systems and methods for creating and distributing blockchain-backed redistributable electronic content components	Sahil Sharma; Ben William Gordon Hurst; Ping An; Purna Aditya Kumar Bhimaraju; Varun Kumar;	Paypal, Inc.;
1,360	11651432	2023-05-16	2022-08-31	Blockchain instrument for transferable equity	Thomas Marshall Gordon, III; Gregory Frederick Bush;	Equity Shift, Inc.;

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1,361	11651458	2023-05-16	2021-03-03	Method for generating target contract and terminal device	Tao Rong; Yan Wang;	Advanced New Technologies Co., Ltd.;
1,362	11651651	2023-05-16	2022-04-14	Ticketing systems on a distributed ledger	Nimish Purohit; Eric Taylor; Scott Dickerson;	Aristocrat Technologies, Inc.;
1,363	11652604	2023-05-16	2020-11-12	Blockchain data compression and storage	Suryatej Gundavelli; Charles Gabriel Neale Dalton; Michael Jim Tien Chan;	Paypal, Inc.;
1,364	11652605	2023-05-16	2021-02-23	Advanced non-fungible token blockchain architecture	Bradley Turner; Michael Jim Tien Chan; Jonathan Michael Padilla; Liam Julian DiGregorio; Charles Gabriel Neale Dalton;	Paypal, Inc.;
1,365	11652607	2023-05-16	2020-07-28	Symmetric encryption for private smart contracts among multiple parties in a private peer-to-peer network	Vijay Mehta; Alexander Phan;	Experian Information Solutions, Inc.;
1,366	11652608	2023-05-16	2020-11-12	System and method to protect sensitive information via distributed trust	Ryan Matthew Peterson; Julia Clavien; Daniel James Gilligan; Paul Milton McCarney; Daniel Kevin Austin;	Ixup IP Pty Ltd;
1,367	11652609	2023-05-16	2021-04-16	Systems and methods for total loss handling via blockchain	William J Leise; Douglas A Graff; Stacie A McCullough; Shawn M Call; Eric Bellas; Jaime Skaggs; Jacob J Alt; Eric R Moore; Vicki King;	State Farm Mutual Automobile Insurance Company;
1,368	11652621	2023-05-16	2022-03-28	Use of irrational number sequences to secure state transition function in blockchain transactions	Robert Edward Grant;	Theon Technology LLC;
1,369	11652623	2023-05-16	2021-06-29	Secure conference system	Ming Zhe Jiang; Yi Yuan; Xiao Hu He; Xiao Yan Wang; Xiao Tong Chi;	International Business Machines Corporation;
1,370	11652634	2023-05-16	2018-10-23	Computer-implemented systems and methods for linking a blockchain to a digital twin	Alexandra Covaci; Giuseppe Destefanis; Simone Madeo; Patrick Motylinski; Stephane Vincent;	Nchain Licensing Ag;
1,371	11652636	2023-05-16	2021-01-21	System and method for securing and authenticating serialized data associated with a product	Nishkarsh Tomar; Shubam Gupta; Pooja Gupta;	Cognizant Technology Solutions India Pvt. Ltd.;
1,372	11652647	2023-05-16	2020-08-11	Authentication system and computer readable medium	Masaya Honjo; Mitsuhiro Matsumoto;	Mitsubishi Electric Corporation;
1,373	11650972	2023-05-16	2016-12-02	Semantic compliance validation for blockchain	David Newman;	Wells Fargo Bank, N.a.;
1,374	11651365	2023-05-16	2019-09-05	Blockchain architecture, system, method and device for automated cybersecurity and data privacy law compliance with proprietary off-chain storage mechanism	H Anthony DeRosa-Grund;	Atrium Separate IP Holdings Number 4, LLC;
1,375	11652650	2023-05-16	2022-09-20	Externally validated proof of work for appending a block record to a blockchain with a commitment database server	Roxana Iuliana Teodor; Peter Damian Ashton; Remy Lyon; Siamak Fayyaz Shahandashti;	Veiovia Ltd.;
1,376	11645146	2023-05-09	2021-09-23	Automated system for intelligent error correction within an electronic blockchain ledger	Jigesh Rajendra Safary; Krishna R Mamadapur;	Bank of America Corporation;
1,377	11645233	2023-05-09	2019-07-26	Distributed file cache	Cheng Yong Zhao; Jia Min Li; Zhong Shi Lu; Ze Rui Yuan; Yan Liang Qiao;	International Business Machines Corporation;
1,378	11645264	2023-05-09	2022-01-27	Systems and methods for analyzing vehicle sensor data via a blockchain	William J Leise; Jacob J Alt; Jaime Skaggs; Eric Bellas; Shawn M Call; Eric R Moore; Melinda Teresa Magerkurth; Vicki King;	State Farm Mutual Automobile Insurance Company;
1,379	11645268	2023-05-09	2019-06-11	Database world state performance improvement	Petr Novotny; Qi Zhang; Salman Abdul Baset;	International Business Machines Corporation;
1,380	11645270	2023-05-09	2020-10-26	Blockchain backup and recovery	Bryan Nobuhara; Robert Christensen;	Coinbase, Inc.;

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1,381	11645376	2023-05-09	2018-11-27	Device-based database system	Joel Viale; Zsolt Szalai;	International Business Machines Corporation;
1,382	11645417	2023-05-09	2021-08-30	Personal information management device, system, method and computer-readable non-transitory medium therefor	Jae Young Lee;	Snplab Inc.;
1,383	11645422	2023-05-09	2020-02-12	Document verification	Yedendra Shrinivasan; Krishna Chaitanya Ratakonda; Ramesh Gopinath;	International Business Machines Corporation;
1,384	11645605	2023-05-09	2019-08-22	Contextual IoT with blockchain	Shyam Ravindranathan; Anand Tekkam; Ramshankar Venkatasubramanian; Bipin Bihari Pandey;	Sap Se;
1,385	11645632	2023-05-09	2020-05-26	System and method for a decentralized portable information container supporting privacy protected digital information credentialing, remote administration, local validation, access control and remote instruction signaling utilizing blockchain distributed ledger and container wallet technologies	Derek Norman La Salle;	
1,386	11645649	2023-05-09	2019-07-26	Resource transfer method and apparatus, storage medium, and computer device	Rui Guo; Maocai Li; Jun Liang; Jianjun Zhang; Zongyou Wang; Haitao Tu; Qi Zhao; Binhua Liu; Dawei Zhu; Qing Qin;	Tencent Technology (shenzhen) Company Limited;
1,387	11645650	2023-05-09	2020-08-06	Systems and methods for blockchain-based transaction break prevention	Shishir Singh;	Citibank, N.a.;
1,388	11645658	2023-05-09	2018-07-02	Method, system, and computer program product for determining solvency of a digital asset exchange	Payman Mohassel; Shashank Agrawal; Chaya Ganesh;	Visa International Service Association;
1,389	11645670	2023-05-09	2022-07-25	Multi-axis blockchain clearance of offers	Michael Walsh; Venkata Radha Krishna Proddaturi; Joshua Arteaga; Ehsan Hoque;	Quotient Technology Inc.;
1,390	11645708	2023-05-09	2018-10-31	Smart contract compliance monitoring and enforcement	Michael Dawson;	International Business Machines Corporation;
1,391	11645920	2023-05-09	2019-05-20	Secure unmanned aerial vehicle flight planning	Precia Carraway; Ali Daniali;	T-mobile Usa, Inc.;
1,392	11646866	2023-05-09	2020-11-17	Blockchain based service reservation and delegation	Li Jiang; Li Ni Zhang; Wen Rui Zhao; Jing Bo Jiang; Yu Zhao; Lan Luo; Li Long Chen;	International Business Machines Corporation;
1,393	11646879	2023-05-09	2019-06-04	Method and apparatus for selecting distributed consensus node based on proof of nonce	Jin-Tae Oh; Joon-Young Park; Ki-Young Kim;	Electronics and Telecommunications Research Institute;
1,394	11646891	2023-05-09	2017-03-10	Compact recordation protocol	Quan Wang;	Visa International Service Association;
1,395	11646892	2023-05-09	2020-10-29	Method and system for blockchain-based information management among network devices	Kalyani Bogineni; Mohan Palat; Ratul K Guha; Sudhakar Reddy Patil; Jignesh S Panchal; Kristen Sydney Young; Hans Raj Nahata;	Verizon Patent and Licensing Inc.;
1,396	11646897	2023-05-09	2022-02-18	Method and apparatus for utilizing off-platform-resolved data as an input to code execution on a decentralized platform	David William Kravitz; Fabrice Cheng; Matthew Benjamin Smith; Mollie Zechlin Halverson;	Springcoin, Inc.;
1,397	11646900	2023-05-09	2020-03-18	Subscription service for networks	Krishna Chaitanya Ratakonda; Ashish Jagmohan; Yi-Min Chee; Justin Gregory Manweiler;	International Business Machines Corporation;
1,398	11646901	2023-05-09	2021-01-13	Information processing device that processes write request and transmission control method	Takayoshi Nakayama;	Fujitsu Corporation;
1,399	11646903	2023-05-09	2022-12-07	Systems and methods for generating shell-wrapped self-executing programs for conducting cryptographically secure actions	Jonathan Miles Collin Rosenoer;	Citibank, N.a.;
1,400	11647078	2023-05-09	2020-04-16	Content consumption measurement for digital media using a blockchain	Ashish Sardesai; Dante J Pacella;	Verizon Patent and Licensing Inc.;

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1,401	11647377	2023-05-09	2021-06-09	Mobile device roaming optimization and operation	Jignesh K Karia; Pankaj Satyanarayan Dayama; Mukundan Sundararajan; Neha Shah; Arindam Dasgupta; Suman Das;	International Business Machines Corporation;
1,402	11645369	2023-05-09	2020-01-15	Blockchain digital rights management streaming library	Marci Ramona Wojcik;	International Business Machines Corporation;
1,403	11640391	2023-05-02	2020-07-08	Supporting blockchain collections in a database	Juan R Loaiza; Wei-Ming Hu; Amrish Srivastava; Mahesh Baburao Girkar; James W Stamos; Sachin Sonawane;	Oracle International Corporation;
1,404	11640392	2023-05-02	2020-12-04	Blockchain endorsement agreement	Jeronimo Irazabal; Julio Marcelo Ripoll; Federico Eduardo Carpi;	International Business Machines Corporation;
1,405	11640394	2023-05-02	2019-06-17	Method, apparatuses and system for exchanging data between a distributed database system and devices	Thomas Jetzfellner;	Siemens Aktiengesellschaft;
1,406	11640474	2023-05-02	2019-06-27	Method and apparatus for operating database	Hao Song; Baohua Lai;	Beijing Baidu Netcom Science and Technology Co., Ltd.;
1,407	11640554	2023-05-02	2019-11-27	Blockchain-based training data management system and method for trusted model improvements	Marisa Ferrara Boston; Christopher H L Wicher; Rupa Shah;	Kpmg Llp;
1,408	11640601	2023-05-02	2020-08-28	Method and system for regulation of blockchain transactions	Donghao Huang; Hancong Guan; Srinath Ravinathan; Mohammed Sadiq Ahmad; Rajasekaran Dhamodharan; Steven C Davis; Rakesh Yadav; Sébastien Le Callonnec; David James Fleming;	Mastercard International Incorporated;
1,409	11640604	2023-05-02	2021-12-10	Automated blockchain address creation and transfers by uniform resource locator generation and execution	Jesse Thomas Seaver; Sacha Tueni; Noah Thorp; Michael Reeder;	Waly Cash Inc.;
1,410	11640630	2023-05-02	2019-08-05	Systems and methods for verifying identity of a user on an equipment online marketplace platform	Satyanarayan Kar; Lisa Estipona Butters; Sujay Rao; Keerthi Jayarajan; Sravan Kommuri; Sathish Muthukrishnan;	Honeywell International Inc.;
1,411	11641271	2023-05-02	2021-01-27	Control method, non-transitory computer-readable storage medium, and information processing apparatus	Yoshiki Higashikado; Shingo Fujimoto; Masanobu Morinaga;	Fujitsu Corporation;
1,412	11641283	2023-05-02	2019-03-26	Computer implemented method and system for transferring access to a digital asset	John Fletcher; Thomas Trevethan;	Nchain Licensing Ag;
1,413	11635950	2023-04-25	2018-10-29	Arithmetic enhancement of C-like smart contracts for verifiable computation	Alexandra Covaci; Simone Madeo; Patrick Motylinski; Stephane Vincent;	Nchain Licensing Ag;
1,414	11636070	2023-04-25	2022-09-23	Systems and methods for locking queued distributed network tokens	Kevin Lupowitz; Eric Couillard; Jeff Yang; Chester Chee; Brian Bruce; Joe Grastara;	Tassat Group Inc.;
1,415	11636094	2023-04-25	2019-10-16	Chaincode recommendation based on existing chaincode	Vagner Figueredo de Santana; Ana Paula Appel; Alecio Pedro Delazari Binotto; Percival Silva de Lucena;	International Business Machines Corporation;
1,416	11636095	2023-04-25	2019-12-05	System and method for providing a representational state transfer proxy service for a blockchain cloud service	Jared Li; Pierce Shi; Shi Xiang Zhou; Weiguo Zhu; Sheng Zhu; Shun Li; Jim Jin; Todd Little;	Oracle International Corporation;
1,417	11636448	2023-04-25	2021-06-17	Systems and methods for e-certificate exchange and validation	Kenneth Pustizzi;	Xspero U.S.;
1,418	11636450	2023-04-25	2018-07-27	Blockchain system to which proof-of-transaction consensus algorithm is applied, and method therefor	Yong Tae Kim; Byung Wan Lim;	Blockchain Labs Inc.;
1,419	11636469	2023-04-25	2021-06-08	Data access management with non-fungible tokens	Michael Weber; Samuel Brack; Paul Claudius;	Dia Association;
1,420	11636471	2023-04-25	2017-12-15	Social data tracking datastructures, apparatuses, methods and systems	Michael Thibodeau; Christopher Parson; Matthew Ryan George; Randal J August; Kersing Huang; Vladimir Tsitrin;	Fmr Corp.;

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1,421	11636477	2023-04-25	2017-12-28	Data usage method, system, and program thereof employing blockchain network (BCN)	Takayuki Nakamura;	
1,422	11636491	2023-04-25	2019-01-15	Hydrogen fueling station communication	Mark A McClung; Michael C Edwards;	Toyota Motor Engineering & Manufacturing North America, Inc.;
1,423	11636520	2023-04-25	2021-05-25	Blockchain-based digital advertising and marketing system and method	Matthew R Olden;	
1,424	11636537	2023-04-25	2019-03-26	System and methods of providing point-of-need financing	Tushar Srivastava; Prerit Srivastava; Mayank Tewari;	Stream Source Technologies;
1,425	11637688	2023-04-25	2018-06-30	Method and apparatus for implementing a distributed blockchain transaction processing element in a datacenter	James Kempf; Heikki Mahkonen; Zoltán Turányi;	Telefonaktiebolaget Lm Ericsson (publ);
1,426	11637691	2023-04-25	2018-11-06	Management of a size of a ledger	Vishwanath Venkataramappa; Messaoud Benantar; David Y Chang;	International Business Machines Corporation;
1,427	11637693	2023-04-25	2021-03-29	Distributed blockchain-type implementations configured to execute know-your-customer (kyc) verification for MANAGING tokenized digital assets and improved electronic wallets, and methods of use thereof	Viktor Prokopenya; Artsiom Mikhasiou; Il'ya Fomenok; Aliaksandr Kotseleu; Siarhei Sinila;	Currency Com Limited;
1,428	11637701	2023-04-25	2020-09-23	Technologies for conducting a data transaction between enterprises using a permissioned blockchain infrastructure and an oracle system	Archana Sekar; Javier Villalobos; Yochai Konig;	Genesys Cloud Services, Inc.;
1,429	11637708	2023-04-25	2021-05-14	Method for creating a hierarchical threshold signature digital asset wallet	Chiu Hung Hung;	
1,430	11637709	2023-04-25	2021-05-04	Split-key wallet access between blockchains	Saswata Basu; Thomas Howard Austin;	0chain Corp.;
1,431	11637746	2023-04-25	2021-08-27	Object identification for groups of IoT devices	Ned M Smith; Mark Kelly; Michael Nolan; Davide Carboni;	Intel Corporation;
1,432	11638141	2023-04-25	2021-04-05	Remote sim unlock (RSU) implementation using blockchain	Ahmad Arash Obaidi;	T-mobile Usa, Inc.;
1,433	11628351	2023-04-18	2021-10-08	Blockchain	Bao Tran; Ha Tran;	
1,434	11628366	2023-04-18	2021-04-30	Distributed ledger tracking of event data	Nicholas J Witchey; John Wiacek; Patrick Soon-Shiong;	Nant Holdingsip, LLC;
1,435	11630658	2023-04-18	2022-09-20	Blockchain based secure software updates for IoT devices	Gabriel Jerome Solomon; Peng Zhang; Yuhong Liu; Rachael Brooks;	Santa Clara University;
1,436	11630808	2023-04-18	2021-05-03	Proof of lottery (PoL) blockchain	Oded Shmueli;	Technion Research & Development Foundation Limited;
1,437	11630821	2023-04-18	2021-02-18	Blockchain-based data processing method and apparatus, device, and medium	Wei Xiao;	Baidu Online Network Technology (beijing) Co., Ltd.;
1,438	11631063	2023-04-18	2020-12-04	Blockchain solutions for financial services and other transactions-based industries	Paul F Dowding;	L4s Corp.;
1,439	11631064	2023-04-18	2019-09-17	Crowdfunding method based on block chain for creating game and crowdfunding system for implementing crowdfunding service environment	Soo Kyoung Seol; Heetae Lyu; Junghwa Baek; Kiho Na; HeeJae Myeong; Min Tae Kim; SeungJae Lee;	Nhn Corporation;
1,440	11631066	2023-04-18	2019-05-13	Digital derivatives in blockchain environments	Michael Maloney; Jonathan Mohan;	

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1,441	11631077	2023-04-18	2017-12-28	System for facilitating secure electronic communications between entities and processing resource transfers	Paul Zappier; Nicholas Paul Zappier;	Hashlynx Inc.;
1,442	11631080	2023-04-18	2021-01-11	Cross-chain communication method, device and storage medium thereof	Hui Yang; Shuai Dong; Qiuyan Yao; Bowen Bao; Chao Li; Zhengjie Sun; Jie Zhang;	Beijing University of Posts and Telecommunications;
1,443	11631093	2023-04-18	2021-07-15	Flexible behavioral chain framework for permission-based enterprise-focused blockchain applications	James W Fan; Dan Celenti; Alireza Hooshiari;	At&t Intellectual Property I, L.p.;
1,444	11632236	2023-04-18	2019-05-02	Establishment, management, and usage of domain name to blockchain address associations	Andrew Kaizer; Swapneel Sheth;	Verisign, Inc.;
1,445	11632237	2023-04-18	2020-08-28	Configuration override in a blockchain network	Jason Karl Yellick; Alessandro Sorniotti; Gari Singh; Paul Brian Tippett;	International Business Machines Corporation;
1,446	11632238	2023-04-18	2021-10-05	Traceability of edits to digital documents via distributed ledgers	Gavin Stuart Peter Miller; Xuejun Xu; Max Gray Edell; John Bevil Bates; Matthew Keith Albright;	Adobe, Inc.;
1,447	11632240	2023-04-18	2021-06-15	Anonymous disclose and many-to-many recognition system based on blockchain and identity confirmation allowance and method thereof	Chen-Hsuan Wang; Jiann-Min Yang; Scott Miau;	Skychain Co., Ltd.;
1,448	11632249	2023-04-18	2020-10-06	Secure log schemes for portable accounts	Jody Sankey;	Google Inc.;
1,449	11632255	2023-04-18	2021-08-17	Method and system for storing and retrieving electronic files using blockchains	Radu Vestemean;	
1,450	11625260	2023-04-11	2020-12-04	Method for enhancing throughput in blockchain network	Ju Wook Jang; Beom Suk Lee; Jae Geun Song;	Sogang University Research & Business Development Foundation;
1,451	11625382	2023-04-11	2020-06-22	Blockchain as a service method, apparatus, and system	Jahu G Coleman;	Einstein Technologies Inc.;
1,452	11625385	2023-04-11	2020-05-28	Method and apparatus for managing data based on blockchain	Young Yoo Heo; Kwang Cheol Lee; Sang Ji Bae; Jun Tae Kim; Jung Eun Lee; Kyu Sang Lee;	Samsung Sds Co., Ltd.;
1,453	11625390	2023-04-11	2021-10-07	Methods for extending a proof-of-space-time blockchain	Bram Cohen; Krzysztof Pietrzak; Mariano Sorgente;	Chia Network Inc.;
1,454	11625694	2023-04-11	2017-02-14	Blockchain-based exchange with tokenisation	Craig Steven Wright; Stephane Savanah;	Nchain Licensing Ag;
1,455	11625695	2023-04-11	2019-11-11	Protocol framework for supporting protocol flows	Michael Christopher Hearn; Qurratul Ain Shams Asari;	R3 Ltd.;
1,456	11625711	2023-04-11	2019-06-11	Autonomous exchange via entrusted ledger key management	Benedict Ow; Richard Stiles; Anthony Tan;	Duvon Corporation;
1,457	11625718	2023-04-11	2021-06-02	Blockchain-based data verification system and method, computing device and storage medium	Fan Zhou;	Advanced New Technologies Co., Ltd.;
1,458	11625731	2023-04-11	2017-06-30	Methods, systems and apparatus to track a provenance of goods	Ansuya Negi; Rita H Wouhaybi; Igor Tatourian; Oleg Pogorelik; Ned M Smith; Alex Nayshtut;	Intel Corporation;
1,459	11625783	2023-04-11	2022-04-25	Blockchain instrument for transferable equity	Thomas Marshall Gordon, III;	Equity Shift, Inc.;
1,460	11625792	2023-04-11	2020-02-28	System and method for automated blockchain custody service for managing a set of custodial assets	Charles Howard Cella;	Strong Force Tx Portfolio 2018, LLC;

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1,461	11626972	2023-04-11	2020-01-28	Data processing method and apparatus	Haizhen Zhuo; Honglin Qiu;	Advanced New Technologies Co., Ltd.;
1,462	11626973	2023-04-11	2021-11-22	Post-quantum cryptography side chain	Brad A Shea; Jeff J Stapleton; Robert L Carter, Jr; Pierre Arbajian; Peter Bordow; Michael Erik Meinholz;	Wells Fargo Bank, N.a.;
1,463	11626984	2023-04-11	2021-06-29	Blockchain integrated station and cryptographic acceleration card, key management methods and apparatuses	Changzheng Wei; Peng Wu; Ying Yan; Hui Zhang; Changhua He; Zongru Zhan;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,464	11626986	2023-04-11	2018-07-23	Method and system of rescinding access to blockchain data	Andrzej Horoszczak; Remigiusz Czerwiński; Rafał Łukasz Czaja; Michał Wichulski; Jeffrey Arthur Deneau;	Billon Group Limited;
1,465	11626988	2023-04-11	2020-09-23	Blockchain-based technologies for hyper-personalized interactions across enterprises	Archana Sekar; Javier Villalobos; Yochai Konig;	Genesys Cloud Services, Inc.;
1,466	11626992	2023-04-11	2020-04-21	Blockchain-powered ledger for a data supply chain	Yaron Kanza; Divesh Srivastava; Tamraparni Dasu; Eleftherios Koutsofios;	At&t Intellectual Property I, L.p.;
1,467	11626994	2023-04-11	2021-04-09	System and method for presenting content based on articles properly presented and verifiably owned by or in possession of user	Stephen J Brown; Stephen C Harris;	Sneakertopia Inc.;
1,468	11626999	2023-04-11	2021-05-11	Method and system for quantum-resistant hashing scheme	Steven C Davis; Paul Taylor; Eduardo Andrade;	Mastercard International Incorporated;
1,469	11627003	2023-04-11	2019-03-05	Systems and methods for a blockchain multi-chain smart contract time envelope	Amit Biyani;	Smartaxiom, Inc.;
1,470	11627115	2023-04-11	2021-08-26	Information processing method, information processing system, and information processing apparatus	Tomoko Yonemura; Tsukasa Omino; Yoshikazu Hanatani; Taihei Yamaguchi; Misaki Komatsu;	Kabushiki Kaisha Toshiba;
1,471	11623671	2023-04-11	2019-04-11	Blockchain remote command verification	Sidarta F Beltramin; Fernando D Belo; Guilherme Martini; Evan P Sevel; James D Seaton;	Progress Rail Locomotive Inc.;
1,472	11618395	2023-04-04	2019-09-17	Vehicle data verification	Mahmoud Yousef Ghannam; Pramita Mitra; Brian Bennie;	Ford Global Technologies, LLC;
1,473	11620152	2023-04-04	2019-07-19	Blockchain sharding with parallel threads	Rundong Huang;	Ezblock Ltd.;
1,474	11620364	2023-04-04	2021-08-23	Layered-infrastructure blockchain-based system for software license distribution	Owen Crowley; Peniel Charles; Joseph Kanjirathinkal;	Dell Products Inc.;
1,475	11620642	2023-04-04	2018-08-30	Digital contracts in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
1,476	11620671	2023-04-04	2018-04-10	Method and system for managing medical information platform by using blockchain, and non-transitory computer-readable recording medium	Woo Kyun Kho; Eun Sol Lee;	Medibloc Co., Ltd.;
1,477	11620684	2023-04-04	2020-09-10	Identification of targets for a campaign by referencing a blockchain and/or a distributed system file system	Adam Vukich; Abdelkadar M'Hamed Benkreira; Joshua Edwards; William Carroll; Mykhaylo Bulgakov;	Capital One Services, LLC;
1,478	11620700	2023-04-04	2021-06-07	Method and system for providing transparency in loan request bidding	Ankur Sambhar;	Jpmorgan Chase Bank, N.a.;
1,479	11621824	2023-04-04	2021-07-20	Blockchain transaction manager	Neeraj Srivastava;	Dlt Global, Inc.;
1,480	11621825	2023-04-04	2019-08-09	Blockchain digest augmentation of group-of-pictures video streams	Tyson York Winarski;	

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1,481	11621827	2023-04-04	2021-04-05	Blockchain validation system	Frank Anthony Nuzzi;	Paypal, Inc.;
1,482	11621829	2023-04-04	2020-06-30	Domain name blockchain user addresses	Andrew Kaizer; Swapneel Sheth;	Verisign, Inc.;
1,483	11621833	2023-04-04	2020-05-15	Secure multiparty loss resistant storage and transfer of cryptographic keys for blockchain based systems in conjunction with a wallet management system	Craig Steven Wright; Stephane Savanah;	Nchain Licensing Ag;
1,484	11621834	2023-04-04	2020-06-15	Systems and methods for preserving data integrity when integrating secure multiparty computation and blockchain technology	Mark A Will; Sanjeev Solanki; Kailash Sivanesan;	Acronis International Gmbh;
1,485	11621836	2023-04-04	2020-07-07	Quantum resistant blockchain with multi-dimensional quantum key distribution	Solyman Ashrafi;	Nxgen Partners Ip, LLC;
1,486	11621850	2023-04-04	2021-02-25	Distributed ledger management method, distributed ledger system, and node	Nao Nishijima;	Hitachi, Ltd.;
1,487	11621852	2023-04-04	2021-12-02	System and method for providing a multiple-operation transaction to a blockchain	Ilya Dubinsky;	Source Ltd.;
1,488	11621855	2023-04-04	2020-10-05	Electronic device and method for managing blockchain address using the same	Sunghyuk Lee; Sooyeon Kim; Juyoung Kim; Jaehun Jung; Jinki Jung;	Samsung Electronics Co., Ltd.;
1,489	11621858	2023-04-04	2020-12-12	Anonymity mechanisms in permissioned blockchain networks	Jeronimo Irazabal; Petr Novotny; Mariela Claudia Lanza;	International Business Machines Corporation;
1,490	11621959	2023-04-04	2017-11-03	User authentication using connection information provided by a blockchain network	Apostolis Salkintzis;	Lenovo (singapore) Pte. Ltd.;
1,491	11621960	2023-04-04	2019-05-28	System and method to update aircraft maintenance records using blockchain technology	Rohini Sabnis; Imtiaz Elahi;	Honeywell International Inc.;
1,492	11621973	2023-04-04	2019-07-03	Blockchain cybersecurity audit platform	Michael E Mylrea; Sri Nikhil Gupta Gourisetti;	Battelle Memorial Institute;
1,493	11622001	2023-04-04	2021-10-25	Distributed system of record transaction receipt handling in an overlay network	David C Carver; Andrew F Champagne;	Akamai Technologies, Inc.;
1,494	11620649	2023-04-04	2022-04-05	Systems and methods of using the blockchain to allow music artists to raise and distribute capital	Jason Meinzer;	
1,495	11614929	2023-03-28	2021-06-25	Identity registration methods, apparatuses, and devices	Yuan Chen; Renhui Yang; Wenyu Yang; Qin Liu; Shubo Li;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,496	11614994	2023-03-28	2021-04-26	Method, apparatus and electronic device for blockchain-based transaction consensus processing	Fuxi Deng;	Advanced New Technologies Co., Ltd.;
1,497	11615007	2023-03-28	2018-10-22	Method and control system for controlling and/or monitoring devices	Thomas Jetzfellner;	Siemens Aktiengesellschaft;
1,498	11615078	2023-03-28	2022-01-20	Blockchain-based transaction methods	Renhui Yang;	Alipay (hangzhou) Information Technology Co., Ltd.; Ant Blockchain Technology (shanghai) Co., Ltd.;
1,499	11615160	2023-03-28	2021-04-28	Digital label management	Gary Shorter; Jaffershah Jahangeer;	Iqvia Inc.;
1,500	11615195	2023-03-28	2021-02-08	Systems and methods for providing multi-node resiliency for blockchain peers	Sarang Mahatwo; Ricky Kwan; Jeetendra Pradhan; Bryan M Zima;	Verizon Patent and Licensing Inc.;

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1,501	11615272	2023-03-28	2020-06-17	Anomaly analysis using a blockchain, and applications thereof	Salim Memon; Saira Zaman;	Capital One Services, LLC;
1,502	11615354	2023-03-28	2020-08-26	Blockchain based project evaluation method and system	Seung Woo Kim; Jae Geol Cho; Sang Han Lee; Dae Hee Kim; Sun Joo Ryu; Joo Sung Hong;	Soonchunhyang University Industry Academy Cooperation Foundation;
1,503	11615369	2023-03-28	2018-09-18	Real-time, independently verifiable location tracking system	Timothy Leonard; Vasanth Srinivasan; Joseph M DeBoth; Mark Botticelli;	Trimble Transportation Enterprise Solutions, Inc.;
1,504	11615374	2023-03-28	2019-08-23	Provenance and illicit product control system	Iqbal Mohamed;	Iq Universe Inc.;
1,505	11615386	2023-03-28	2021-06-07	Block chain authentication systems and methods	Bharat Prasad; Charles Lee Oakes, III; Gunjan C Vijayvergia; Vijay Jayapalan; Thomas Bret Buckingham;	United Services Automobile Association (usaa);
1,506	11615398	2023-03-28	2021-09-29	Digital contracts in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
1,507	11615408	2023-03-28	2022-05-24	Multi-signature verification network	Jerry Perullo;	Intercontinental Exchange Holdings, Inc.;
1,508	11615409	2023-03-28	2022-08-17	Battery management reward network and system	William C Rehm;	Deedstack, Inc.;
1,509	11615410	2023-03-28	2022-06-29	Heartbeats and consensus in verifiable outsourced ledgers	Srinath Suresh Setty; Ramarathnam Venkatesan; Soumya Basu;	Microsoft Technology Licensing, LLC;
1,510	11615416	2023-03-28	2019-10-10	Child support and centralized distributed network	Eugenia Roxanne Miller;	
1,511	11616259	2023-03-28	2022-07-12	Smart battery system	Kyra Dhawan; Kian Dhawan;	Knoetik Solutions, Inc.;
1,512	11616636	2023-03-28	2021-06-29	Hash updating methods and apparatuses of blockchain integrated station	Changzheng Wei; Ying Yan; Peng Wu; Hui Zhang; Changhua He;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,513	11616638	2023-03-28	2021-06-03	Blockchain ledger growth management	Ashish Sardesai; Dante J Pacella; Lachlan Maxwell; Venkata Josyula; Mani Tadayon;	Verizon Patent and Licensing Inc.;
1,514	11616639	2023-03-28	2021-07-26	Storing time-sensitive secrets in a blockchain network	Ian Holsman;	Bullish Global;
1,515	11616641	2023-03-28	2019-09-11	Computer implemented system and method for sharing a common secret	Craig Steven Wright;	Nchain Licensing Ag;
1,516	11616643	2023-03-28	2022-06-23	System and method of management of a shared cryptographic account	Tal Arieh Be'ery; Ouriel Ohayon; Omer Shlomovits; Gary Benattar;	Zengo Inc.;
1,517	11616649	2023-03-28	2018-08-09	Computer-implemented systems and methods relating to a binary blockchain comprising a pair of coupled blockchains	John Fletcher; Martin Sewell;	Nchain Licensing Ag;
1,518	11616650	2023-03-28	2021-12-13	Physio-digital non-fungible token system	Danyal Panjwani; Jack Bonomo;	Liquidsports, Inc.;
1,519	11616652	2023-03-28	2020-03-12	Data security using a blockchain ledger	S U M Prasad Dhanyamraju; Sriganesh Sultanpurkar; Shiva Kumar Sholayappan; Mounika Kalidindi; Nandini Matam;	Hcl Technologies Limited;
1,520	11616706	2023-03-28	2021-06-02	Packet processing method and device designed for blockchain tasks	Yabo Zhang;	Huawei Technologies Co., Limited;

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1,521	11616854	2023-03-28	2022-07-14	System and method of secured interface to a blockchain based network	Tal Arieh Be'Ery; Menahem Cherbakovsky;	Zengo Inc.;
1,522	11616637	2023-03-28	2021-04-26	Blockchain management platform for performing asset adjustment, cross sectional editing, and bonding	Joseph Castinado; Manu Kurian;	Bank of America Corporation;
1,523	11609577	2023-03-21	2019-04-12	Method for defining a function existence of activated functions in a functional unit and functional unit operable according to the method	Patrick Mochar; Christoph Grasser; Erich Schall;	Audi Ag;
1,524	11609902	2023-03-21	2021-11-20	Flow control for probabilistic relay in a blockchain network	Giuseppe Destefanis; Simone Madeo; Patrick Motylinski; Stephane Vincent; Alexandra Covaci;	Nchain Licensing Ag;
1,525	11610261	2023-03-21	2020-02-27	System that varies the terms and conditions of a subsidized loan	Charles Howard Cella;	Strong Force Tx Portfolio 2018, LLC;
1,526	11611438	2023-03-21	2022-03-28	Computer network systems for cryptographically-secured, token-based operations and methods of use thereof	Horacio Barakat; Harsha Kolagani; Kishore Seshagiri; Ashfaq Shaik; John Garahan; Vijay Mayadas; Michael McMahon;	Broadridge Financial Solutions, Inc.;
1,527	11611441	2023-03-21	2021-11-19	Decentralized database optimizations	James Douglas Beecham; Justin W Fly; Christopher Edward Struttmann; Scott Nathaniel Goldfarb; Jackson Chaiken; Thomas Daly; Judson Benton Locke; Mark Snellman;	Altr Solutions, Inc.;
1,528	11611445	2023-03-21	2017-02-17	Changing smart contracts recorded in block chains	Khan Baykaner; Alberto Ramos;	Nokia Technologies Oy;
1,529	11611560	2023-03-21	2020-01-31	Systems, methods, and apparatuses for implementing consensus on read via a consensus on write smart contract trigger for a distributed ledger technology (DLT) platform	Prithvi Krishnan Padmanabhan;	Salesforce.com, Inc.;
1,530	11611567	2023-03-21	2020-12-04	Method and system for management and resolution of blockchain-based top-level domain	Dongbin Wang; Hui Zhi; Zhouyi Zhu; Xu Zhang; Jinqiao Shi; Yueming Lu; Zemin Zhou; Hui Wu; Kun Guo; Yaoyao Guo;	Beijing University of Posts and Telecommunications;
1,531	11609900	2023-03-21	2020-09-23	Massively parallel computing system for processing of values in a distributed ledger blockchain system	Scott C Harris;	
1,532	11611437	2023-03-21	2020-09-09	Blockchain token holding social event history	Scott C Harris;	
1,533	11611440	2023-03-21	2019-09-18	Deal room platform using blockchain	Maher Khatib; Mushegh Hakhinian;	Intralinks, Inc.;
1,534	11604608	2023-03-14	2021-06-25	Blockchain transaction processing systems and methods	Shikun Tian;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,535	11604631	2023-03-14	2021-03-05	Blockchain node service deployment method, apparatus and system and computing device and medium	Yesong Wang;	Alibaba Group Holding Limited;
1,536	11604633	2023-03-14	2021-06-28	Trusted startup methods and apparatuses of blockchain integrated station	Changzheng Wei; Ying Yan; Hui Zhang; Lei Wang;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,537	11604784	2023-03-14	2021-03-24	Establishing decentralized identifiers for algorithms, data schemas, data sets, and algorithm execution requests	Anirban Basak; Thomas P Hardjono; Shantanu Rajkumar Kothavale;	Fortifid, Inc.;
1,538	11604787	2023-03-14	2020-11-13	Method of generating globally verifiable unique identifiers using a scalable interlinked blockchain structure	S Ryan Quick; Armand Kolster;	Providentia Worldwide, LLC;
1,539	11604890	2023-03-14	2017-10-20	Accessing information based on privileges	Abilash Soundararajan; Michael Reid Tennefoss;	Hewlett Packard Enterprise Development LP;
1,540	11605013	2023-03-14	2018-10-17	System and method of decentralized machine learning using blockchain	Sathyanarayanan Manamohan; Krishnaprasad Lingadahalli Shastry; Vishesh Garg;	Hewlett Packard Enterprise Development LP;

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1,541	11605071	2023-03-14	2020-04-22	Autonomous exchange via entrusted ledger key management	Benedict Ow; Richard Stiles; Anthony Tan;	Duvon Corporation;
1,542	11605080	2023-03-14	2020-11-01	Method and system of transferring cryptocurrency credits through a blockchain with leaf blocks	Tingkai Liu;	
1,543	11605124	2023-03-14	2020-02-28	Systems and methods of smart contract and distributed ledger platform with blockchain authenticity verification	Charles Howard Cella;	Strong Force Tx Portfolio 2018, LLC;
1,544	11605143	2023-03-14	2022-05-16	Blockchain with joint claims on tokens	Paul Burchard;	Goldman Sachs & Company;
1,545	11606190	2023-03-14	2018-08-30	High performance distributed system of record with cryptographic service support	David C Carver; Andrew F Champagne; Ramanath Mallikarjuna; Thomas Houman;	Akamai Technologies, Inc.;
1,546	11606191	2023-03-14	2019-09-13	Methods, systems, and devices for configuring a federated blockchain network	Thyge Knuhtsen; Rod Cruz; Humayun Arif; Rene Dufrene;	At&t Intellectual Property I, L.p.; At&t Intellectual Property Ii, L.p.;
1,547	11606219	2023-03-14	2017-02-14	System and method for controlling asset-related actions via a block chain	Craig Steven Wright; Gavin Allen;	Nchain Licensing Ag;
1,548	11606291	2023-03-14	2022-03-17	Access control and ownership transfer of digital content using a decentralized content fabric and ledger	Serban Simu; Michelle Munson;	Eluvio, Inc.;
1,549	11606424	2023-03-14	2021-04-23	System, method, and computer program for blockchain-based entity group management	Pavel Yefim May; Sergey Podalov; Vladimir Tkach;	Amdocs Development Limited;
1,550	11606425	2023-03-14	2020-12-22	Visibility of digital assets at channel level	Nitin Gaur; Petr Novotny; Jeronimo Irazabal; Timothy Olson;	International Business Machines Corporation;
1,551	11606426	2023-03-14	2019-10-23	Database access gateway through distributed network nodes	Joseph Cascioli; Judson Powers;	Architecture Technology Corporation;
1,552	11606442	2023-03-14	2019-06-07	Subscription to edits of blockchain transaction	Marc Edward Mercuri;	Microsoft Technology Licensing, LLC;
1,553	11605059	2023-03-14	2018-12-03	Software system utilizing blockchain for transactions	Thomas Benjamin; Sriram Narasimhan; Abhay Saswade; Gireesh Malaksamudra;	Sap Se;
1,554	11606188	2023-03-14	2022-05-27	Systems for multi-blockchain, multi-token interoperability via common blockchain integration	Kevin Lupowitz; Eric Couillard; Sanjaya Kulkarni; Brian Bruce; Sanjay Deshpande; Omari Edwards; Joe Grastara; Al Gleicher;	Tassat Group Inc.;
1,555	11606209	2023-03-14	2019-06-05	Blockchain based access control using time-dependent obfuscation of access tokens	Gary Mawdsley; Dmitry Tishkovsky;	Lockular Limited;
1,556	11599350	2023-03-07	2021-03-29	Blockchain computer data distribution	Adam Cecchetti; Michael Eddington;	Accenture Global Solutions Limited;
1,557	11599431	2023-03-07	2019-06-04	Database optimized disaster recovery orchestrator	Long Wang; Ruchi Mahindru; Soumitra Sarkar; Yu Deng;	International Business Machines Corporation;
1,558	11599555	2023-03-07	2021-10-05	Data manifest as a blockchain service	Vishal Patangia; Mark Standring; Vasudevan Atteeri; Matthew Steed;	Bank of America Corporation;
1,559	11599604	2023-03-07	2020-12-31	Content anti-piracy management system and method	Mohammed Artin Smaiely; Alex Seth Fonoroff;	Dish Network L.l.c.;
1,560	11599653	2023-03-07	2020-06-30	Systems and methods for controlled access to policy data on blockchain	Melinda Teresa Magerkurth; Eric Bellas; Jaime Skaggs; Shawn M Call; Eric R Moore; Vicki King; Burton J Floyd; David Turrentine; Steven T Olson; Timothy Caleb Wells; Corin Rebekah Chapman; Edward W Breitweiser; Robert Gomez; Shelia Cummings Smith;	State Farm Mutual Automobile Insurance Company;

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1,561	11599668	2023-03-07	2020-10-23	Securing access to confidential data using a blockchain ledger	Joel Vincent Nation; James Peter George Ryles;	Oracle International Corporation;
1,562	11599858	2023-03-07	2020-05-07	Blockchain settlement network	Nitin Gaur; Malavan Balanavaneethan; Mayuran Satchithanantham; Hung Chung Kuo; Ruby Cheng; Wing Lun Chung;	International Business Machines Corporation;
1,563	11599859	2023-03-07	2021-09-14	Method and system for dispute resolution in a public blockchain	Peter J Groarke;	Mastercard International Incorporated;
1,564	11599874	2023-03-07	2020-07-06	Rapid approval of blockchain-based transactions	Harry Tu;	Aldelo, LP;
1,565	11599875	2023-03-07	2020-06-12	Autonomous exchange via entrusted ledger application specific wallet	Benedict Ow; Richard Stiles; Anthony Tan;	Duvon Corporation;
1,566	11599961	2023-03-07	2022-06-30	Estate planning and beneficiary management system including digital assets	Sean Foote;	Legacy Suite Inc;
1,567	11601256	2023-03-07	2020-11-02	Consensus-based voting for network member identification employing blockchain-based identity signature mechanisms	Joseph R Mazzarella;	Mutualink, Inc.;
1,568	11601304	2023-03-07	2019-11-19	Blockchain based vehicle control	John J Costello; Richard J Skertic;	Rolls-royce Corporation; Rolls-royce North American Technologies Inc.;
1,569	11601439	2023-03-07	2020-02-13	Verifiable outsourced ledgers	Srinath Setty; Ramarathnam Venkatesan;	Microsoft Technology Licensing, LLC;
1,570	11601787	2023-03-07	2018-12-31	Using a blockchain to determine trustworthiness of messages between vehicles over a telecommunications network	Ahmad Arash Obaidi;	T-mobile Usa, Inc.;
1,571	11593316	2023-02-28	2019-10-16	Database snapshot for managing state synchronization	Kaustav Haldar; Erik Rueger;	International Business Machines Corporation;
1,572	11593321	2023-02-28	2019-03-06	Systems and methods of self-administered protocols on a blockchain platform	Saswata Basu; Siva Dirisala;	0chain Corp.;
1,573	11593337	2023-02-28	2019-08-14	Data processing method, device, and a storage medium	Wei Xiao;	Baidu Online Network Technology (beijing) Co., Ltd.;
1,574	11593512	2023-02-28	2018-05-11	Systems and methods for crowdsourcing, analyzing, and/or matching personal data	Zhizhuo Zhang; Manolis Kellis; Dianbo Liu; Anne Kim; Lauren Huang; Sandeep Nuckchady;	Massachusetts Institute of Technology;
1,575	11593731	2023-02-28	2020-05-28	Analyzing and managing production and supply chain	Jeffrey H Hunt; Lori S Smith;	The Boeing Company;
1,576	11593803	2023-02-28	2021-06-10	Two level crux chain platform for protecting and verifying blockchain data	Fong Chuan Julian Yu;	
1,577	11593833	2023-02-28	2021-08-30	Method and system for providing electronic universal incentive awards with blockchains	Joseph Sean Williams Tubay;	
1,578	11593888	2023-02-28	2020-10-07	Evidence oracles	William J Leise; Douglas A Graff; Anthony McCoy; Jaime Skaggs; Shawn M Call; Stacie A McCullough; Wendy H Clayton; Melinda Teresa Magerkurth; Kim E Flesher; Travis Charles Runge;	State Farm Mutual Automobile Insurance Company;
1,579	11593889	2023-02-28	2020-10-28	Systems and methods for maintaining a distributed ledger pertaining to autonomous vehicles	Matthew L Floyd; Alvin Hon-Wai Yu; Antwuan Murphy; Brittney Benzio; Lindsi Brantley; Matthew S Delaney; Matthew Vulich; Matthew S Rodriguez; Neha Goel; Sabrina Collins; Annie Pudlo Murillo;	State Farm Mutual Automobile Insurance Company;
1,580	11593898	2023-02-28	2019-11-05	Method for processing data and apparatuses for implementing the same	Thierry Lucidarme; Stephane Dupre la Tour;	Electricite De France;

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1,581	11593901	2023-02-28	2020-12-04	Systems and methods for using blockchains to record, manage, and transfer ownership rights to land titles	David H Blackman; David Brown;	First American Financial Corporation;
1,582	11595211	2023-02-28	2020-04-15	Apparatus and methods for intelligent token-based authentication within a distributed database using hierarchical data files	Quentin Drouot;	
1,583	11595328	2023-02-28	2018-11-23	Methods, media and computing devices for implementing instant messaging system based on blockchain	Gang Chen; Liang Ruan; Hangsheng Xu; Shanghu Luo;	Netease (hangzhou) Network Co., Ltd.;
1,584	11595406	2023-02-28	2021-05-20	Systems and methods for hybrid blockchain control	Avrohom Gluck; Chaim Gluck; Nechama Gluck;	
1,585	11595524	2023-02-28	2022-04-25	System and method for callback management utilizing smart callbacks	Matthew Donaldson Moller; Matthew DiMaria; Shannon Lekas; Kurt Nelson; Nicholas James Kennedy; Kevin Shinseki; Robert Harpley;	Virtual Hold Technology Solutions, LLC;
1,586	11595543	2023-02-28	2021-12-09	Image forming apparatus, control method, and storage medium, cooperating with blockchain service to verify a printed product	Myoshi Toda;	Canon Kabushiki Kaisha;
1,587	11593830	2023-02-28	2019-10-11	Loyalty coin miner for customized blockchain based customer loyalty program	Sumant Sahoo; Prakash Sridharan; Ramakanth Kanagovi; Ravi Shukla; Arun Swamy;	Dell Products Inc.;
1,588	11586420	2023-02-21	2020-04-22	Blockchain random number generating system and blockchain random number generating method	Shao-Nung Huang;	Acer Inc.;
1,589	11586612	2023-02-21	2019-09-26	System and method for intermediary-less database management	Abhijit Keskar;	Innoplexus Ag;
1,590	11586614	2023-02-21	2020-07-17	Native persistent store support for blockchains	James W Stamos; Mahesh Baburao Girkar; Wei Ming Hu; Juan R Loaiza; Sachin Vijaykumar Sonawane; Hongjie Yang;	Oracle International Corporation;
1,591	11587019	2023-02-21	2018-12-18	Method for a registration of usage of tracking data	Ilian Pashov; Oliver Stroebel; Michael Zettler;	Siemens Aktiengesellschaft;
1,592	11587050	2023-02-21	2018-09-07	Blockchain distribution network	Uri Klarman; Aleksandar Kuzmanovic;	Northwestern University;
1,593	11587069	2023-02-21	2021-09-27	Digital contracts in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
1,594	11587071	2023-02-21	2020-06-24	Method and system for merchant acceptance of cryptocurrency via payment rails	Srinath Ravinathan; Donghao Huang;	Mastercard Asia/pacific Pte. Ltd.;
1,595	11587074	2023-02-21	2020-06-19	Recordation of device usage to blockchains	Paul Snow;	Inveniam Capital Partners, Inc.;
1,596	11587162	2023-02-21	2021-01-20	Blockchain-based digital loan network	Jun Yan;	Tradove, Inc.;
1,597	11587182	2023-02-21	2020-09-11	Systems and methods for maintaining a distributed ledger of transactions pertaining to an autonomous vehicle	Matthew L Floyd; Alvin Hon-wai Yu; Antwuan Murphy; Brittney Benzio; Lindsi Brantley; Matthew S Delaney; Matthew Vulich; Matthew S Rodriguez; Neha Goel; Sabrina Collins; Annie Pudlo Murillo;	State Farm Mutual Automobile Insurance Company;
1,598	11588620	2023-02-21	2020-12-30	Forming a blockchain in low-bandwidth, resource-constrained network	Eric Donald White;	Itron Gmbh;
1,599	11588629	2023-02-21	2020-12-15	Secure, decentralized, automated platform and multi-actors for object identity management through the use of a block chain technology	Guillaume Hébert; David Leporini;	Bull Sas;
1,600	11588642	2023-02-21	2020-10-16	Method and apparatus for sharing and acquiring information	Yong Su;	Shanghai Lianshang Network Technology Co., Ltd.;

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1,601	11588643	2023-02-21	2018-12-27	Blockchain management system	Vidit Maniyar; Arjun Shukla;	Paypal, Inc.;
1,602	11588651	2023-02-21	2021-07-08	Blockchain timestamp agreement	Sachiko Yoshihama; Tatsushi Inagaki; Yohei Ueda; Kohichi Kamijoh; Hiroaki Nakamura;	Green Market Square Limited;
1,603	11588653	2023-02-21	2021-05-07	Blockchain-based smart contract call methods and apparatus, and electronic device	Jiyuan Wang; Xuebing Yan;	Advanced New Technologies Co., Ltd.;
1,604	11588654	2023-02-21	2022-05-04	Method and apparatus for operating blockchain system, device and storage medium	Chunhui Wan; Tong Jin; Zhimin Wei; Jiaxiang Liu; Lei Zhang; Bingxin Fan;	Beijing Baidu Netcom Science Technology Co., Ltd;
1,605	11588803	2023-02-21	2021-01-25	Systems, methods, and apparatuses for implementing super community and community sidechains with consent management for distributed ledger technologies in a cloud based computing environment	Prithvi Krishnan Padmanabhan; Sriram Gopalan; Venkata Sarath Maddali; Darpan Dhamija; Jyoti Raj;	Salesforce.com, Inc.;
1,606	11588812	2023-02-21	2021-03-22	Preselected issuance and data operations loops in a blockchain network	Daniel Cage; Padmakar Kankipati; Norman R Silverman;	Speedchain, Inc.;
1,607	11588818	2023-02-21	2020-12-23	Certified transaction authentication system for unilaterally-issued records	Marcos V Dequeiroga; Marcio C Esteves; Tom Roesner;	Doctrace, LLC;
1,608	11586670	2023-02-21	2022-03-01	NFT production from feature films for economic immortality on the blockchain	Christoph Bertsch; Rodney Lake; Douglas Sturgeon; Anthony Sziklai;	Eight Plus Ventures, LLC;
1,609	11586765	2023-02-21	2020-12-11	Blockchain based privacy compliance platform	Saswata Basu;	Ochain, LLC;
1,610	11579239	2023-02-14	2021-05-25	Global resource locator label	William D Meadow;	Locatorx, Inc.;
1,611	11579630	2023-02-14	2020-02-06	Decentralized robot cooperation platform	Abdoulaye Faye; Hugo Borne-Pons;	Accenture Global Solutions Limited;
1,612	11579919	2023-02-14	2019-05-24	Anomalous transaction detection for database	Salman Abdul Baset; Qi Zhang; Petr Novotny;	International Business Machines Corporation;
1,613	11580075	2023-02-14	2020-09-03	Systems and methods of providing immutable records	Taulant Ramabaja;	Uledger, Inc.;
1,614	11580087	2023-02-14	2020-11-24	Blockchain generation system and method for operating the same	Kyung Dong Park;	Hyundai Motor Company; Kia Motors Corporation;
1,615	11580097	2023-02-14	2018-09-11	Blockchain-based systems and methods for communicating, storing and processing data over a blockchain network	Silvia Bartolucci; Pauline Bernat; Daniel Joseph;	Nchain Licensing Ag;
1,616	11580098	2023-02-14	2020-02-14	Multi-client transaction validation	Qi Zhang; Petr Novotny;	International Business Machines Corporation;
1,617	11580240	2023-02-14	2020-03-24	Protecting sensitive data	Vugranam C Sreedhar; Sreekrishnan Venkateswaran; Charanjit Singh Jutla;	Kyndryl, Inc.;
1,618	11580335	2023-02-14	2019-04-02	Transaction management of machine learning algorithm updates	Long Yu; Brian J Young;	General Electric Company;
1,619	11580417	2023-02-14	2018-07-10	System and method for processing data and managing information	Cong Wang; Yifeng Zheng; Chengjun Cai;	City University of Hong Kong;
1,620	11580520	2023-02-14	2020-12-17	System, method, and apparatus to interactively broadcast value	Jim M Mohen; John W Masotti; Leon Afanasyev; Timur Nutfullin;	

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1,621	11580533	2023-02-14	2019-12-10	Method and system for optimization of data storage for distributed ledgers	Ankur Mehta; Awinash Pandey; Saugandh Datta; Chandan Garg;	Mastercard International Incorporated;
1,622	11580535	2023-02-14	2020-06-19	Recordation of device usage to public/private blockchains	Paul Snow;	Inveniam Capital Partners, Inc.;
1,623	11580536	2023-02-14	2020-11-04	Deploying physical diamond tokens on a blockchain	Cormac L Kinney;	Diamond Standard Inc.;
1,624	11580538	2023-02-14	2018-11-09	Transparent crowd sourcing for projects	Jonathan Heavey;	Minuteman Capital LLC;
1,625	11580539	2023-02-14	2021-09-21	Blockchain-based trustable guarantees	Xuming Lu; Hui Zhou; Guojun Ye;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,626	11580540	2023-02-14	2022-01-12	Methods and systems for smart contracts for security and filtering	Vijay Madisetti; Arshdeep Bahga;	
1,627	11580577	2023-02-14	2020-01-26	Product exploration-based promotion	Yedendra Shrinivasan; Krishna Chaitanya Ratakonda; Rakesh Mohan;	International Business Machines Corporation;
1,628	11580606	2023-02-14	2022-05-09	Using a distributed ledger to determine fault in subrogation	William J Leise; Douglas A Graff; Anthony McCoy; Jaime Skaggs; Shawn M Call; Stacie A McCullough; Wendy H Clayton; Melinda Teresa Magerkurth; Kim E Flesher; Travis Charles Runge;	State Farm Mutual Automobile Insurance Company;
1,629	11580866	2023-02-14	2020-02-20	UAV (unmanned aerial vehicle) logistics operation and air traffic control method based on blockchain technology	Min-Chung Gia; Chien-Liang Chen; Kun-Ren Siao;	
1,630	11582024	2023-02-14	2019-07-29	Blockchain-based decentralized public key management system	Kan Yang; Lan Wang;	
1,631	11582034	2023-02-14	2020-12-15	Secure, decentralized, automated platform and multi-actors for object identity management through the use of a block chain technology	Guillaume Hébert; David Leporini;	Bull Sas;
1,632	11582040	2023-02-14	2017-10-20	Permissions from entities to access information	Abilash Soundararajan; Michael Reid Tennefoss;	Hewlett Packard Enterprise Development LP;
1,633	11582042	2023-02-14	2018-03-16	Industrial data verification using secure, distributed ledger	Benjamin Edward Beckmann; Anilkumar Vadali; Lalit Keshav Mestha; Daniel Francis Holzhauer; John William Carbone;	General Electric Company;
1,634	11582333	2023-02-14	2021-10-13	Methods and devices in a blockchain network	Matteo Signorini; Matteo Pontecorvi;	Nokia Technologies Oy;
1,635	11582667	2023-02-14	2020-11-19	Methods, systems, and devices for federated blockchain-enabled handover authentication	Moshiur Rahman;	At&t Intellectual Property I, L.p.;
1,636	11572056	2023-02-07	2020-04-29	Blockchain based ecosystem for emission tracking of plug in hybrid vehicles	Alexandra Holz; Roy Hendrikx; Martin Wiecker; Stuart Easson; Detlef Kuck;	Ford Global Technologies, LLC;
1,637	11573976	2023-02-07	2018-09-19	Method and apparatus for managing a service request in a blockchain network	Abhishek Sharma; Mainak Choudhury; Vikalp Mullick;	Samsung Electronics Co., Ltd.;
1,638	11574234	2023-02-07	2018-09-11	Blockchain for data and model governance	Scott Michael Zoldi; Shafi Rahman;	Fair Isaac Corporation;
1,639	11574268	2023-02-07	2017-10-20	Blockchain enabled crowdsourcing	Jeronimo Irazabal; Raul O Laprida; Diego A Masini; Dulce B Ponceleon;	International Business Machines Corporation;
1,640	11574303	2023-02-07	2017-10-24	Blockchain-based method and system for specifying the recipient of an electronic communication	Gavin Allen; Craig Steven Wright;	Nchain Licensing Ag;

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1,641	11574304	2023-02-07	2021-05-10	Blockchain-based dynamic payterm generator	Sakshi Bakshi; Siva Kumar Paini; Amod Jha; Amit Kumar Sati;	Bank of America Corporation;
1,642	11574320	2023-02-07	2022-03-08	Tokenizing scarce goods with provenance history bound to biological fingerprints	Alexander Lipton; Thomas P Hardjono;	NumÉraire Financial, Inc.;
1,643	11574333	2023-02-07	2021-05-25	Decentralized computer systems and methods for using a debit network as an intermediary between distributed ledgers	Chandra Olson;	Worldpay Limited;
1,644	11574334	2023-02-07	2020-04-30	Methods and systems for regulating operation of units using encryption techniques associated with a blockchain	Cassie Boutelle; Lou Grilli; Troy Land; James Heystek; Wade D Murray;	Fidelity Information Services, LLC;
1,645	11574372	2023-02-07	2018-02-06	Blockchain mine at oil or gas facility	Stephen Barbour;	Upstream Data Inc.;
1,646	11575499	2023-02-07	2020-12-02	Self auditing blockchain	Dushyant K Behl; Sayandeep Sen; Palanivel Andiappan Kodeswaran;	International Business Machines Corporation;
1,647	11575503	2023-02-07	2021-05-05	Blockchain control method	Tsutomu Ishigaya; Ryo Sasada; Takaaki Iizuka;	Cowry Inc.;
1,648	11575511	2023-02-07	2018-10-29	System for simplifying executable instructions for optimised verifiable computation	Alexandra Covaci; Simone Madeo; Patrick Motylinski; Stephane Vincent;	Nchain Licensing Ag;
1,649	11575744	2023-02-07	2019-07-15	Computer-implemented system and method for controlling processing steps of distributed system	Daniel Joseph;	Nchain Licensing Ag;
1,650	11573952	2023-02-07	2020-05-04	Private shared resource confirmations on blockchain	Rishi Saket; Ritwik Chaudhuri;	International Business Machines Corporation;
1,651	11567927	2023-01-31	2019-09-18	Creating blocks in instance blockchain base on a promised block in a generic blockchain	Ganesh Krishnan; Dharmesh Dadbhawala; Ashish Baluja; Bhaumik Dedhia;	Boardwalktech, Inc;
1,652	11568083	2023-01-31	2020-07-30	User-controlled access to data in a communication network	Matteo Signorini; Dimitrios Schoinianakis;	Nokia Technologies Oy;
1,653	11568372	2023-01-31	2019-11-11	Deterministic java virtual machine	Michael Christopher Hearn; Qurratul Ain Shams Asari;	R3 Ltd.;
1,654	11568388	2023-01-31	2016-09-21	Systems and methods for transferring fiat currency via mapped math-based currency accounts	Naga Adapala; Kevin D Bouey; Judd Holroyde; Aravind Krishnasamy; Bipin M Sahni; Nishant Usapkar;	Wells Fargo Bank, N.a.;
1,655	11568393	2023-01-31	2021-03-30	Methods and systems for transferring unspent transaction output (UTXO) tokens in a blockchain network	Charles Gabriel Neale Dalton; Liam Julian DiGregorio;	Paypal, Inc.;
1,656	11568394	2023-01-31	2022-08-31	Method for issuing and transacting non-fungible tokens based on time-context data to be used for supporting transactions of historical time slots, and server using the same	Gye Han Song; I Goo Lee; Jae Young Lim;	Metabora Co., Ltd.;
1,657	11568396	2023-01-31	2017-04-14	Method for using and revoking authentication information and blockchain-based server using the same	Joo Han Song; Jay Wu Hong; Joon Sun Uhr;	Coinplug, Inc.;
1,658	11568402	2023-01-31	2018-06-06	Decentralized out-of-band accelerated blockchain transaction processing	Pralhad Dinesh Deshpande; Muhammad Tayyab Asif;	International Business Machines Corporation;
1,659	11568404	2023-01-31	2020-11-25	Data monetization and exchange platform	Jason Crabtree; Andrew Sellers;	Qomplx, Inc.;
1,660	11568415	2023-01-31	2019-06-03	Decentralized safeguard against fraud	Eric Bravick; David Kuchar; Malcolm Garland; Harrison Dahme; David Marc Grossblatt;	Strong Force Tx Portfolio 2018, LLC;

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1,661	11568437	2023-01-31	2018-10-31	Systems, methods, and apparatuses for implementing commerce rewards across tenants for commerce cloud customers utilizing blockchain	Prithvi Krishnan Padmanabhan;	Salesforce.com, Inc.;
1,662	11568694	2023-01-31	2019-12-05	Realestate as tradable digital assets through blockchain integration	Devu Manikantan Shila; Adriaan Larmuseau; Adam Kuenzi; Yuri Novozhenets;	Carrier Corporation;
1,663	11568743	2023-01-31	2019-08-07	Systems and methods for managing a vehicle fleet based on compliance regulations	Abraham Mezaael;	Ford Global Technologies, LLC;
1,664	11569981	2023-01-31	2018-08-28	Blockchain network based on machine learning-based proof of work	Pragyana K Mishra;	Amazon Technologies, Inc.;
1,665	11569982	2023-01-31	2021-04-07	Blockchain compression using summary and padding blocks	Ashish Sardesai; Dante J Pacella; Lachlan Maxwell; Venkata Josyula; Mani Tadayon;	Verizon Patent and Licensing Inc.;
1,666	11569989	2023-01-31	2019-10-23	Blockchain system for hardening quantum computing security	Maria Carolina Barraza Enciso; Elena Kvochko;	Bank of America Corporation;
1,667	11569990	2023-01-31	2020-10-26	Distributed data management method based on a blockchain network and apparatus therefor	Jung Eun Lee; Jun Tae Kim; Ji Won Kim; Sang Won Lee; Kyu Sang Lee;	Samsung Sds Co., Ltd.;
1,668	11569996	2023-01-31	2019-05-31	Anonymous rating structure for database	Rishi Saket; Pankaj S Dayama; Nitin Singh;	International Business Machines Corporation;
1,669	11570000	2023-01-31	2021-12-17	Blockchain-based method and device for processing driving data	Yanyu Chen; Yujia Zhang; Gang Qian; Minwei Fang; Wei Zhang; Ruixue Wang;	Zhiji Automotive Technology Co., Ltd.;
1,670	11570001	2023-01-31	2020-05-04	Protocols for decentralized networks	Nicola Greco; Juan Batiz-Benet;	Protocol Labs, Inc.;
1,671	11570002	2023-01-31	2019-05-29	Reduced-step blockchain verification of media file	Praveen Jayachandran;	International Business Machines Corporation;
1,672	11570003	2023-01-31	2018-10-04	Quantumproof blockchain	Jintai Ding; Yangxing Ding;	
1,673	11570005	2023-01-31	2020-03-23	Systems and methods for proving immutability of blockchains	Ian Yuan Yuan Huang; Zhiqiang Ma;	Eternal Paradise Limited;
1,674	11570175	2023-01-31	2020-10-05	Communication network edge computing authorization	Marouane Balmakhtar; Lyle W Paczkowski;	T-mobile Innovations LLC;
1,675	11570264	2023-01-31	2021-12-21	Provenance audit trails for microservices architectures	Rajesh Poornachandran; Vincent Zimmer; Subrata Banik; Marcos Carranza; Kshitij Arun Doshi; Francesc Guim Bernat; Karthik Kumar;	Intel Corporation;
1,676	11562228	2023-01-24	2019-06-12	Efficient verification of machine learning applications	Venkata Sitaramagiridharganesh Ganapavarapu; Kanthi Sarpatwar; Karthikeyan Shanmugam; Roman Vaculin;	International Business Machines Corporation;
1,677	11562242	2023-01-24	2021-06-21	Architectures, systems and methods for program defined state system	Randall M Katz; Robert Tercek;	Milestone Entertainment, LLC;
1,678	11562254	2023-01-24	2019-07-30	Distribution of neural networks with blockchains	Amanda House; Celeste R Fralick; Eric Wuehler; Sherin Mathews;	Mcafee, Inc.;
1,679	11562255	2023-01-24	2022-02-10	Cyphergenics-based notarization blockchains	William C Johnson; Karen Ispiryan; Gurgen Khachatryan;	Quantum Digital Solutions Corporation;
1,680	11562333	2023-01-24	2019-10-31	System, method and program product for generating and utilizing stable value digital assets	Daniel William Halley James; Brandon Arvanaghi; Cem Paya; Eric Neiman Winer; Cameron Howard Winklevoss; Tyler Howard Winklevoss;	Gemini Ip, LLC;

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1,681	11562335	2023-01-24	2018-01-29	Method and system for facilitating ATM transactions using blockchain	Ankur Arora; Jaipal Singh Kumawat; Aditya Koduri; Chandan Garg;	Mastercard International Incorporated;
1,682	11562353	2023-01-24	2015-11-24	Method and system for gross settlement by use of an opaque blockchain	Steven Charles Davis;	Mastercard International Incorporated;
1,683	11562375	2023-01-24	2020-10-30	Blockchain-based data verification method, apparatus, and electronic device	Shubo Li;	Advanced New Technologies Co., Ltd.;
1,684	11562387	2023-01-24	2018-08-01	System and method for managing inventory and distribution of hotel rooms by multiple brokers using an online interface	Mark Gregorek; Alexandra Gregorek;	
1,685	11562398	2023-01-24	2018-05-22	Advertisement networks	Shriyamvar Bugga; Kaigani Turner; Matia Wagabaza;	Crackle, Inc.;
1,686	11562812	2023-01-24	2017-07-14	Computer implemented method for secure management of data generated in an EHR during an episode of care and a system therefor	John Bulich; Nuno Cristina Martins; Govert Van Ek; Oliver Peter Curtis; Nicholas Anthony Curtis;	E-nome Pty Ltd;
1,687	11563557	2023-01-24	2018-04-24	Document transfer processing for blockchains	Chih-Hsiung Liu; Joey H Y Tseng; Chih-Wen Su; June-Ray Lin; Gary P Noble;	International Business Machines Corporation;
1,688	11563558	2023-01-24	2020-03-03	Behavior driven graph expansion	Yichong Yu; Danny Soroker;	International Business Machines Corporation;
1,689	11563559	2023-01-24	2020-07-29	Parallel processing of blockchain procedures	Qi Zhang; Petr Novotny; Lei Yu;	International Business Machines Corporation;
1,690	11563560	2023-01-24	2021-08-03	Blockchain-based data evidence storage method and apparatus	Xueqing Zou;	Advanced New Technologies Co., Ltd.;
1,691	11563561	2023-01-24	2020-01-31	Systems and methods for linkage data elements	Shing Yu Yeung; Clive Richard Wright;	Megachain Inc.;
1,692	11563569	2023-01-24	2020-09-18	Method and apparatus for controlling data access right to data stored on a blockchain	Ruifeng Hu; Feihu Jiang; Tsz Hon Yuen; Yaoguo Jiang; Haojun Zhou;	Huawei Technologies Co., Limited;
1,693	11563571	2023-01-24	2022-04-12	Methods and systems for generating, subscribing to and processing action plans using a blockchain	Zubin Teja;	
1,694	11563574	2023-01-24	2017-07-21	Blockchain-implemented method and system	Gavin Allen;	Nchain Holdings Limited;
1,695	11563587	2023-01-24	2022-07-27	Cryptoasset custodial system with different cryptographic keys controlling access to separate groups of private keys	Diogo Monica; Nathan P McCauley; Riyaz D Faizullabhoy; Boaz Avital;	Anchor Labs, Inc.;
1,696	11563727	2023-01-24	2020-09-14	Multi-factor authentication for non-internet applications	Andrew Kinai; Fred Ochieng Otieno; Nelson Kibichii Bore; Komminist Weldemariam;	International Business Machines Corporation;
1,697	11556247	2023-01-17	2021-04-28	Secure and transparent pruning for blockchains	Ghassan Karame; Alessandro Sforzin;	Nec Corporation;
1,698	11556516	2023-01-17	2021-03-26	Distributed blockchain data storage under account model	Haizhen Zhuo;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,699	11556521	2023-01-17	2018-09-25	System and method for providing an interface for a blockchain cloud service	Todd Little; Pierce Shi; Jared Li; Shi Xiang Zhou; Weiguo Zhu; Sheng Zhu; Shun Li; Jim Jin; Qingsheng Zhang;	Oracle International Corporation;
1,700	11556874	2023-01-17	2018-06-11	Block creation based on transaction cost and size	Pralhad Dinesh Deshpande; Muhammad Tayyab Asif; Alan Kang Hong Lim;	International Business Machines Corporation;

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1,701	11556906	2023-01-17	2019-07-08	Enforcing multi-use constraints on a blockchain	Praveen Jayachandran; Palanivel A Kodeswaran; Sayandeep Sen;	International Business Machines Corporation;
1,702	11556909	2023-01-17	2020-03-30	Universal payment channels	Mohammad Mohsen Minaei Bidgoli; Ranjit Kumaresan; Mahdi Zamani; Sivanarayana Gaddam;	Visa International Service Association;
1,703	11556922	2023-01-17	2021-05-20	Method and system for conversion of digital assets to fiat currency	Thomas Treitlinger; Jose Pereira; Eduardo Andrade; Sébastien Le Callonnec; Lauren Grendon;	Mastercard International Incorporated;
1,704	11556923	2023-01-17	2019-05-24	Blockchain enabled service request system	Ashwini Kadarmandalgi; Sowmya Saiprasad; Srinivas Vadhri;	Visa International Service Association;
1,705	11556924	2023-01-17	2020-02-27	Blockchain-based payment withholding and agreement signing method, apparatus, and electronic device	Zhaolin Feng; Xu Wang;	Advanced New Technologies Co., Ltd.;
1,706	11556925	2023-01-17	2018-09-12	Ensuring information fairness and input privacy using a blockchain in a competitive scenario governed by a smart contract	Pralhad Dinesh Deshpande; Muhammad Tayyab Asif; Yuan Yuan;	International Business Machines Corporation;
1,707	11556926	2023-01-17	2019-10-17	Method for approving use of card by using blockchain-based token id and server using method	Moon Gju Suh; Jay Wu Hong; Joon Sun Uhr;	Coinplug, Inc.;
1,708	11556928	2023-01-17	2022-01-13	Method and system for filtering transactions using smart contracts and updating filtering smart contracts	Vijay Madisetti; Arshdeep Bahga;	
1,709	11556948	2023-01-17	2019-03-01	Method and system for using recycling to improve blockchain mining	Chandan Garg; Shubham Kumar; Abhinav Thukral; Madhavi Sharma;	Mastercard International Incorporated;
1,710	11556994	2023-01-17	2018-05-07	Blockchain subrogation payments	Jaime Skaggs; Shawn M Call; Eric Bellas; Douglas A Graff; William J Leise; Vicki King; Jacob J Alt; Eric R Moore; Stacie A McCullough;	State Farm Mutual Automobile Insurance Company;
1,711	11557011	2023-01-17	2019-09-04	Blockchain-based system and method for document transformation and accountability	Edward Wu; Guy Gal; Christopher Dzoba; Jeffrey Judkins; Mark J Stefik; Adriano Castro;	Side, Inc.;
1,712	11557195	2023-01-17	2019-12-16	Alarm management system with blockchain technology	Shantanu Choudhary; Balaji Kaliappan;	Carrier Corporation;
1,713	11558173	2023-01-17	2021-03-18	Method and system for auditing smart contracts	Sébastien Le Callonnec; Eduardo Andrade; Rakesh Yadav;	Mastercard International Incorporated;
1,714	11558177	2023-01-17	2019-01-03	Block chain permission control method, device, and node apparatus	Hui Xie; Jian Wang;	Cloudminds Robotics Co., Ltd.;
1,715	11558178	2023-01-17	2019-01-30	System and method for prescription security and authentication	John J O'brien; David M Nelms;	Walmart Apollo, LLC;
1,716	11558181	2023-01-17	2021-05-28	Method and system for state associated device identification for digital payments using blockchain technology	Ilgin Safak; Ramanan Rajapreyar; Niravkumar Pandya; Olutoyin Oduwole;	Mastercard International Incorporated;
1,717	11558207	2023-01-17	2022-05-23	Method and apparatus for starting up blockchain system, and non-transitory computer-readable storage medium	Chunhui Wan; Zhimin Wei; Tong Jin;	Beijing Baidu Netcom Science Technology Co., Ltd;
1,718	11558344	2023-01-17	2021-09-27	Resolving blockchain domains	Braden River Pezeshki; Matthew Everett Gould; Bogdan Gusiev;	Unstoppable Domains Inc.;
1,719	11556517	2023-01-17	2020-05-17	Blockchain maintenance	Nir Rozenbaum; Artem Barger; Yacov Manevich;	International Business Machines Corporation;
1,720	11558180	2023-01-17	2020-01-20	Key-value store with blockchain properties	Jeronimo Irazabal;	International Business Machines Corporation;

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1,721	11558379	2023-01-17	2019-07-15	Network access authentication and authorization using a blockchain network	Mohammed Salman; Rajarao Bhagya Prasad Nittur; Ram Tripathi; Mohit Goyal; Rajesh Kumar Ganapathy Achari;	Hewlett Packard Enterprise Development LP;
1,722	11558392	2023-01-17	2021-10-05	Automated event processing computing platform for handling and enriching blockchain data	Jisoo Lee; John C Checco; William August Stahlhut; Joseph Castinado; Brad Romano; Suki Ramasamy; Patrick N Lawrence; Lekha Ananthakrishnan;	Bank of America Corporation;
1,723	11550307	2023-01-10	2020-08-26	Asset management, registry, and tracking on shared blockchain nodes	Senthilkumar Jahunnathan; Parag Pandit; Maiby Kunjachan; Rajendra Muthusamy; Prashant Sahadev Sawant; Prashant V Kulkarni;	Accenture Global Solutions Limited;
1,724	11550796	2023-01-10	2020-12-04	Coexistence mediator for facilitating blockchain transactions	Nitin Gaur; Petr Novotny; Qi Zhang; Wisam Mohammed;	International Business Machines Corporation;
1,725	11550931	2023-01-10	2020-07-10	Data certification system and process for centralized user file encapsulation, encryption, notarization, and verification using a blockchain	Dimitre Ognianov Dintchev; Stuart L Corrans; Matt Turrino;	Galena Hills Inc.;
1,726	11550935	2023-01-10	2020-11-25	Method, apparatus, and electronic device for blockchain-based recordkeeping	Hong Zhang; Haitao Jiang; Linqing Wang; Xinyu Weng; Fuqiang Li; Feng Lin; Jun Wu; Xiaodong Zeng; Lei Yang;	Advanced New Technologies Co., Ltd.;
1,727	11550951	2023-01-10	2019-09-18	Interoperable digital social recorder of multi-threaded smart routed media	Gregory H Leekley; Alexander Savenok; Pavel Savenok;	Inspired Patents, LLC;
1,728	11550959	2023-01-10	2020-11-02	Reproducing hash values from printed documents to validate with a blockchain	Kelce S Wilson;	
1,729	11551020	2023-01-10	2021-04-14	Intelligent asset management	Micah Scott;	Ncr Corporation;
1,730	11551205	2023-01-10	2018-04-03	Method for producing a cryptographical signed transaction	Denis Bederov; Denis Donin;	Plc Group Ag;
1,731	11551206	2023-01-10	2021-06-23	Methods, blockchain nodes, and storage media for deploying smart contract	Qi Liu;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,732	11551212	2023-01-10	2019-01-09	Methods and systems for management of a blockchain-based computer-enabled networked ecosystem	Rajeev Malhotra; Mohd Sufyan;	
1,733	11551229	2023-01-10	2019-02-05	Payslip verification for blockchain transaction	Gregoire Zveguintzoff; Dominique Rodier; Gilbert Musnik;	Adp, Inc.;
1,734	11551319	2023-01-10	2020-07-24	Method and apparatus for determining evidence authenticity based on blockchain ledger	Xinying Yang;	Advanced New Technologies Co., Ltd.;
1,735	11552784	2023-01-10	2020-08-07	Physical item mapping to blockchain framework	Max Adel Rady;	
1,736	11552799	2023-01-10	2019-11-05	Storage architecture providing improved modification of access rights for stored data	Kush G Parikh;	Player Tokens, Inc.;
1,737	11552800	2023-01-10	2019-05-08	Apparatus, system and method for operating a software-defined network	Vivek Kulkarni; Florian Zeiger;	Siemens Aktiengesellschaft;
1,738	11552935	2023-01-10	2020-03-30	Distributed key secret for rewritable blockchain	Giuseppe Ateniese; Michael t Chiaramonte; David Treat; Bernardo Magri; Daniele Venturi;	Accenture Global Solutions Limited; Gsc Secrypt, LLC;
1,739	11552950	2023-01-10	2019-04-26	Blockchain interoperability	David Treat; Giuseppe Giordano; Luca Schiatti; Aspyn Cole Palatnick; Zixuan Zhang;	Accenture Global Solutions Limited;
1,740	11553039	2023-01-10	2022-03-07	Service meshes and smart contracts for zero-trust systems	Vijay Madisetti; Arshdeep Bahga;	

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1,741	11553311	2023-01-10	2021-12-16	Digital passport with verified data provenance	Brandon Sloane; Aarron Gull; Harvey Summers; Gilbert Gatchalian; Vijaya L Vemireddy;	Bank of America Corporation;
1,742	11544014	2023-01-03	2021-01-28	Printing system and device for processing transactions in a distributed ledger	Eric Louis Kampman;	Kyocera Document Solutions Inc.;
1,743	11544044	2023-01-03	2021-06-30	Methods, blockchain nodes, and storage media for executing smart contract	Qi Liu;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,744	11544045	2023-01-03	2021-06-18	Automatic smart contract analysis	Peter Kacherginsky;	Coinbase, Inc.;
1,745	11544102	2023-01-03	2019-10-23	Apparatus and method for batch processing for blockchain transactions	Kyu Sang Lee; Chang Suk Yoon; Sang Jun Kang; Ki Woon Sung;	Samsung Sds Co., Ltd.;
1,746	11544254	2023-01-03	2020-08-31	System and method for managing a blockchain cloud service	Pierce Shi; Jared Li; Shi Xiang Zhou; Weiguo Zhu; Sheng Zhu; Shun Li; Jim Jin; Todd Little;	Oracle International Corporation;
1,747	11544255	2023-01-03	2020-10-06	Blockchain data recording method and apparatus thereof	Kyu Sang Lee; Young Yoo Heo; Kwang Cheol Lee; Sang Ji Bae; Jun Tae Kim; Jung Eun Lee; Kyung Jin Kim;	Samsung Sds Co., Ltd.;
1,748	11544291	2023-01-03	2020-08-11	Platform and method for connecting a blockchain engine	Alin-Daniel Iftemi;	Ingenium Blockchain Tech Srl;
1,749	11544640	2023-01-03	2020-06-10	Method for providing online ticket service by using blockchain network and server using the same	Joon Sun Uhr; Jay Wu Hong; Joo Han Song;	Coinplug, Inc.;
1,750	11544665	2023-01-03	2019-10-17	Upstream visibility in supply-chain	Elisabeth Claire Paulson; Ashish Jagmohan; Ajay Ashok Deshpande; Pavithra Harsha; Ali Koc; Krishna Chaitanya Ratakonda; Ramesh Gopinath;	International Business Machines Corporation;
1,751	11544678	2023-01-03	2019-11-11	Protocol flow for notarizing a transaction	Michael Christopher Hearn; Qurratul Ain Shams Asari;	R3 Ltd.;
1,752	11544679	2023-01-03	2019-11-11	Protocol flow for proposing a transaction	Michael Christopher Hearn; Qurratul Ain Shams Asari;	R3 Ltd.;
1,753	11544708	2023-01-03	2018-06-27	User controlled storage and sharing of personal user information on a blockchain	Sergio Pinzon Gonzales, Jr;	Ebay, Incorporated;
1,754	11544712	2023-01-03	2018-06-11	Secure multi-factor tokenization-based sub-cryptocurrency payment platform	Shaunt M Sarkissian; William Dennings; Michael Valasanyan; Luis Miguel Prata Ramos;	Tbol, Inc.;
1,755	11544722	2023-01-03	2019-03-21	Hardware integration for part tracking using texture extraction and networked distributed ledgers	Gregory M Wagner; Benjamin Golden; Matthew T Young;	Raytheon Company;
1,756	11544729	2023-01-03	2021-05-03	Blockchain-enabled crypto asset compliance system for tracking asset allocation	Gregory H Leekley; Alexander Savenok; Pavel Savenok;	Inspired Patents, LLC;
1,757	11544731	2023-01-03	2020-09-21	Method and system for authentication of coupons via blockchain	Ankur Arora;	Mastercard International Incorporated;
1,758	11544758	2023-01-03	2020-12-08	Distributed database structures for anonymous information exchange	Jordi de Vos; Mesbah Sabur; Pietro Pasotti; Kaj Oudshoorn; Jelle Dirk Licht;	Circularise B.v.;
1,759	11544782	2023-01-03	2020-02-28	System and method of a smart contract and distributed ledger platform with blockchain custody service	Charles Howard Cella;	Strong Force Tx Portfolio 2018, LLC;
1,760	11544794	2023-01-03	2021-02-07	Claim settlement method and apparatus employing blockchain technology	Shijie Wang;	Advanced New Technologies Co., Ltd.;

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1,761	11544808	2023-01-03	2019-10-15	Digital negotiation platform	Adam Vukich; Kaitlin Newman; Colin Hart; Jason Ji;	Capital One Services, LLC;
1,762	11546138	2023-01-03	2019-09-25	Information integrity in blockchain and related technologies	Benjamin Allan Mord; Allan J Mord;	
1,763	11546143	2023-01-03	2019-12-06	Apparatus and method for terminating an authorization to access a record in a blockchain ledger	Xiaohu Chen; Yifan Wang; Yang Chen; Zhengpeng Li; Xinle Yang; Qing Xu; Weiqi Wang; Yuechao Ma; Xiannong Fu;	Moac Blockchain Tech Inc.;
1,764	11546144	2023-01-03	2018-08-29	Systems and methods for communication, storage and processing of data provided by an entity over a blockchain network	Silvia Bartolucci; Pauline Bernat; Daniel Joseph;	Nchain Licensing Ag;
1,765	11546162	2023-01-03	2018-10-30	Systems and methods for ensuring correct execution of computer program using a mediator computer system	Alexandra Covaci; Simone Madeo; Patrick Motylinski; Stephane Vincent;	Nchain Licensing Ag;
1,766	11546322	2023-01-03	2022-06-24	Decentralized avatar authentication in online platforms	Thomas P Hardjono; Marsha Lipton;	NumÉraire Financial, Inc.;
1,767	11546330	2023-01-03	2019-11-01	Method and device for cross-domain strong logical isolation and secure access control in the internet of things	Ke Xu; Liang Lv; Bo Wu; Qi Tan; Yi Zhao;	Tsinghua University;
1,768	11546333	2023-01-03	2021-06-17	Blockchain-based service processing methods, apparatuses, devices, and storage media	Diaolong Tang; Shanlu Sun; Xiao Wu; Ping Dai; Shengdong Pang;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,769	11546348	2023-01-03	2019-05-12	Data service system	Jia Li; Yi Yuan; Xiaoliang Pan; Qing Yan;	Silver Rocket Data Technology (shanghai) Co., Ltd;
1,770	11546366	2023-01-03	2019-05-08	Threat information sharing based on blockchain	Yair Allouche; Oded Margalit; Ravid Sagy; Tom Weiss;	International Business Machines Corporation;
1,771	11546419	2023-01-03	2022-01-26	Methods, devices and systems for a distributed coordination engine-based exchange that implements a blockchain distributed ledger	Ramakrishna Thurimella; Yeturu Aahlad;	Wandisco Inc.;
1,772	11546425	2023-01-03	2020-04-23	Systems and methods of providing ledger as a service	Baohua Yang;	Oracle International Corporation;
1,773	11546560	2023-01-03	2021-06-24	Blockchain-based trustless date verifiable video capture	Daniel Hugh Broaddus;	
1,774	11537473	2022-12-27	2022-01-28	Method for controlling other systems based on single-point execution contract	Wenbin Cheng;	Shanghai Weierlijie Network Technology Development Co., Ltd.;
1,775	11537592	2022-12-27	2019-04-22	Metadata management through blockchain technology	Gothandapani Krishnan; Sanyam Jain; Vasu Kanna Bhagam;	Wells Fargo Bank, N.a.;
1,776	11537688	2022-12-27	2020-08-06	System and method for processing copyright and profit distribution of clothes fashion design using blockchain	Ji-Tae Ha;	D3d Co., Ltd.;
1,777	11537985	2022-12-27	2019-09-26	Anonymous inventory tracking system	Igor S Ramos; Kimberly J Taft; Angelo Danducci, II; Devon E Mensching;	International Business Machines Corporation;
1,778	11538001	2022-12-27	2018-04-03	Systems and methods for cryptocurrency transactions in aircraft	Andri Handoko; Steven Hawkins; Samuel A Carswell;	Safran Passenger Innovations, LLC;
1,779	11538002	2022-12-27	2020-02-13	Escrowing system for cross-blockchain third-party settlement and method thereof	Chen-Hsuan Wang; Jiann-Min Yang; Scott Miau;	Skychain Co., Ltd.;
1,780	11538006	2022-12-27	2020-01-31	Systems, methods, and apparatuses for conducting transactions between bots using distributed ledger technology in a cloud based computing environment	Savithru Mallikarjuna Durga Lokanath;	Salesforce.com, Inc.;

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1,781	11538023	2022-12-27	2018-04-09	Secure transfer between blockchains	John Fletcher; Marco Bardoscia; Thomas Trevethan;	Nchain Licensing Ag;
1,782	11538027	2022-12-27	2022-04-22	Secure and trustworthy bridge for transferring assets across different networks with an updating pool of wardens	Michael Edmond Kaplan; Conor Leary; Nicholas Mussallem; Emin Gun Sirer; Bernard Wong;	Ava Labs, Inc.;
1,783	11538028	2022-12-27	2022-06-22	Implementing non-fungible tokens using bitcoin	Alexei Dulub;	
1,784	11538031	2022-12-27	2017-12-04	Method and system for identity and access management for blockchain interoperability	Vijay K Madisetti; Arshdeep Bahga;	
1,785	11538345	2022-12-27	2021-01-27	Node of a blockchain airspace management system	Jeffrey Bosworth;	Textron Innovations Inc.;
1,786	11539506	2022-12-27	2021-01-14	System and method for healthcare security and interoperability	Jessica Lee; Jun Morimura; Michael Moschetti; John Vig; Marvin Quesada;	Janssen Pharmaceutica Nv;
1,787	11539507	2022-12-27	2020-11-03	Managing blockchain access	Gunjan Vijayvergia; Steven J Schroeder;	United Services Automobile Association (usaa);
1,788	11539526	2022-12-27	2019-03-06	Method and apparatus for managing user authentication in a blockchain network	Ashok Babu Channa; Abhishek Sharma; Amogha D Shanbhag; Vinay Kumar; Vijaya Kumar Tukka; Deepraj Prabhakar Patkar; Sravana Kumar Karivedala;	Samsung Electronics Co., Ltd.;
1,789	11539527	2022-12-27	2019-05-29	Peer node recovery via approximate hash verification	Praveen Jayachandran;	International Business Machines Corporation;
1,790	11539530	2022-12-27	2020-09-28	Remote blockchain masternode deployment	Nicholas Saponaro; Geoffrey McCabe; German Luna Patiarroy; Michael Greenwood;	Divi Labs and Technologies Sociedad Anonima;
1,791	11539685	2022-12-27	2021-06-03	Federated identity management with decentralized computing platforms	Bojan Simic; Roman Kadinsky; Robert Panebianco;	Hypr Corp.;
1,792	11539701	2022-12-27	2018-06-08	Network access point	Joshua Daniel;	British Telecommunications Public Limited Company;
1,793	11539715	2022-12-27	2022-06-22	Distributed ledger-based ad-hoc system, apparatus and method using fingerprint verification	Oliver Michaelis; Mike Ball; Charles Andrew Hugh Baker; Peter Alexander Carides;	Beyond Aerospace Ltd.;
1,794	11539774	2022-12-27	2020-12-10	Secure, immutable and verifiable interview records	David Beardsworth; Jeddiah Stone; Jonathan Empson;	Issured Limited;
1,795	11539786	2022-12-27	2019-11-19	Method and system for heterogeneous blockchain service management	Jeff Wang; Jonathan Shih; Thomas Manville;	
1,796	11538029	2022-12-27	2021-09-02	Integrated machine learning and blockchain systems and methods for implementing an online platform for accelerating online transacting	Bryan Young; Steven Better;	Home Lending Pal, Inc.;
1,797	11539510	2022-12-27	2020-08-02	System and method of cryptographic key management in a plurality of blockchain based computer networks	Tal Arieh Be'ery; Ouriel Ohayon; Omer Shlomovits; Gary Benattar;	Zengo Inc.;
1,798	11531330	2022-12-20	2020-08-05	Blockchain-based failsafe mechanisms for autonomous systems	Ian Yuan Yuan Huang; Geoffrey Lap Fai Yuen;	Eternal Paradise Limited;
1,799	11531661	2022-12-20	2018-03-27	Vehicle incident documentation for blockchain	Pasquale A Catalano; Andrew G Crimmins; Byron S Green; Arkadiy O Tsfasman; John S Werner;	International Business Machines Corporation;
1,800	11531709	2022-12-20	2021-02-18	Dynamic blockchain masking and verification computing platform	Raja Arumugam Maharaja;	Bank of America Corporation;

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1,801	11531732	2022-12-20	2020-03-24	Systems and methods for providing identity assurance for decentralized applications	Richard Collin; Robert John Lundie Hill; Mihai Cimpoesu;	Refinitiv US Organization LLC;
1,802	11531964	2022-12-20	2020-10-01	Systems and methods for maintaining transferability of title via blockchain	William J Leise; Douglas A Graff; Stacie A McCullough; Shawn M Call; Eric Bellas; Jaime Skaggs; Jacob J Alt; Eric R Moore; Vicki King;	State Farm Mutual Automobile Insurance Company;
1,803	11531974	2022-12-20	2016-08-17	Tracking transactions through a blockchain	Michael J Bordash; Michael J Hudson; Chih-Hong Wong;	International Business Machines Corporation;
1,804	11531975	2022-12-20	2018-04-13	Network node management on a blockchain	Shalaka Verma; Sarvesh Patel; Kushal Patel;	International Business Machines Corporation;
1,805	11531980	2022-12-20	2019-12-06	Method and system for optimizing blockchain parsing using a wallet's static characteristics	Anurag Aggarwal; Chandan Garg; Ankur Arora; Aditya Koduri;	Mastercard International Incorporated;
1,806	11531981	2022-12-20	2020-06-19	Digital contracts in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
1,807	11532002	2022-12-20	2021-05-28	Systems and methods for a non-fungible token having on chain content generation	Kishore Atreya; Connor Keenan; Ricardo Stuven; Ruben Torres; Samir Mehta;	Consensys Software Inc.;
1,808	11532047	2022-12-20	2020-06-24	Blockchain instrument for transferable equity	Thomas Marshall Gordon, III; Joseph W Forbes, Jr; Gregory Frederick Bush;	Equity Shift, Inc.;
1,809	11532054	2022-12-20	2020-02-21	Path of funds blockchain system	Matthew Smailey; Nico R Willis; Abrarahmed Maniyar; Kyle Walker;	Agora Altx;
1,810	11532385	2022-12-20	2021-01-14	System and method for healthcare security and interoperability	Jessica Lee; Jun Morimura; Michael Moschetti; John Vig; Marvin Quesada;	Janssen Pharmaceutica Nv;
1,811	11533163	2022-12-20	2018-01-17	Mining method and device based on blockchain, and computer readable storage medium	Lizhong Li;	Chongqing Jinvovo Network Technology Co., Ltd.; Li Zhan (shanghai) Technology Co., Ltd.;
1,812	11533164	2022-12-20	2020-11-02	System and method for blockchain-based cross-entity authentication	Shubo Li; Jiawei Liu; Renhui Yang;	Advanced New Technologies Co., Ltd.;
1,813	11533321	2022-12-20	2020-08-14	Secure decentralized file sharing systems and methods	Jeffrey Austin Pack; John Christopher Haager; Cody Joseph Sandwith; Janine Therese Terrano;	Topia Technology, Inc.;
1,814	11533359	2022-12-20	2022-04-06	Systems and methods for locating microserver nodes in proximity to edge devices using georouting	James A Thomason;	Edjx, Inc.;
1,815	11531982	2022-12-20	2020-06-24	Optimal transactions sharding for scalable blockchain	My T Thai; Thang N Dinh; Lan Nguyen; Truc Nguyen;	University of Florida Research Foundation, Incorporated; Virginia Commonwealth University;
1,816	11533584	2022-12-20	2019-12-02	Blockchain systems and methods for confirming presence	Matthew Wootton; Boris Dieseldorff; Justin McKinney;	Ivani, LLC;
1,817	11526467	2022-12-13	2020-01-29	Document storage and verification	Yedendra Shrinivasan;	International Business Machines Corporation;
1,818	11526487	2022-12-13	2019-05-17	Database world state integrity validation	Petr Novotny; Qi Zhang; Ashish Kundu; Yuan Yuan;	International Business Machines Corporation;
1,819	11526488	2022-12-13	2021-03-26	Distributed blockchain data storage under account model	Haizhen Zhuo;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,820	11526494	2022-12-13	2019-12-23	Blockchain-based computing system and method for managing transaction thereof	Han Saem Seo; Chang Suk Yoon; Kyu Sang Lee; Jun Tae Kim; Sang Jun Kang; Young Woon Kwon;	Samsung Sds Co., Ltd.;

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1,821	11526610	2022-12-13	2019-05-21	Peer-to-peer network for blockchain security	Anna Bacher; Erich Gstrein;	Veracode, Inc.;
1,822	11526879	2022-12-13	2022-02-24	Method and system for zero-knowledge and identity based key management for decentralized applications	Vijay Madisetti; Arshdeep Bahga;	
1,823	11526954	2022-12-13	2019-05-14	User interface and smart contract interaction model for generating user interface representations	Ami Turgman; Yosef Dinerstein; Ashwarya Poddar;	Microsoft Technology Licensing, LLC;
1,824	11528127	2022-12-13	2018-08-15	Computer-implemented system and method for highly secure, high speed encryption and transmission of data	Craig Steven Wright;	Nchain Holdings Limited;
1,825	11528145	2022-12-13	2018-05-14	Constraining injection of unlocking transaction bytecode	Ying Chan; Dean Kramer;	Nchain Licensing Ag;
1,826	11528146	2022-12-13	2020-11-25	Fork table of an authenticated index data structure	Jude Nelson; Aaron Blankstein;	Hiro Systems Pbc;
1,827	11528147	2022-12-13	2022-02-11	Verifying integrity and secure operations of cloud-based software services	Vijay Madisetti; Arshdeep Bahga;	
1,828	11528263	2022-12-13	2020-11-30	Using keys with targeted access to the blockchain to verify and authenticate identity	Lorenz Lee Breu;	Paypal, Inc.;
1,829	11528385	2022-12-13	2021-01-12	Information processing apparatus and method for blockchain-based document management	Junya Arakawa;	Canon Kabushiki Kaisha;
1,830	11528611	2022-12-13	2019-03-13	Method and system for IoT code and configuration using smart contracts	Rose Margaret Smith; Samuel Francis Smith; Clyde Clinton Smith;	
1,831	11526614	2022-12-13	2019-10-15	Continuous vulnerability management system for blockchain smart contract based digital asset using sandbox and artificial intelligence	Chunsheng Victor Fang;	Anchain.ai Inc.;
1,832	11520737	2022-12-06	2019-09-05	Blockchain-as-a-service integrated hybrid object storage system in multi-cloud computing environment	Si Chen; Pengfei Wu; Zhenzhen Lin; Ruixue Zhang; Joel Christner;	Emc IP Holding Company LLC;
1,833	11520749	2022-12-06	2020-02-18	Consolidation of user plane and control plane reports in a 5G communication network	Marouane Balmakhtar; Lyle W Paczkowski;	Sprint Communications Comapny L.p.;
1,834	11520751	2022-12-06	2022-03-21	System and method for information storage using blockchain databases combined with pointer databases	Avery Glasser;	
1,835	11520776	2022-12-06	2020-02-11	Consensus protocol for blockchain structure	Adam Jacobson; Scott D Tenaglia; Sean Al-Gattas; Kelly Weeks;	Two Six Labs, LLC;
1,836	11520778	2022-12-06	2020-12-18	Merkle tree storage of big data	Tyson York Winarski;	
1,837	11520779	2022-12-06	2021-01-20	System and method for digital asset management	Rubing Shi; Wenlong Yang;	Advanced New Technologies Co., Ltd.;
1,838	11520881	2022-12-06	2019-01-23	Framework for cyber-physical system protection of electric vehicle charging stations and power grid	Honggang Wang; Willard Monten Wiseman; Masoud Abbaszadeh;	General Electric Company;
1,839	11520904	2022-12-06	2019-08-27	AI-based blockchain hybrid consensus	Prashant Sanghvi; Asmita Bhattacharya; Pravesh Kumar; Avishek Saha; Piyush Manocha; Rakesh Sharma;	Accenture Global Solutions Limited;
1,840	11520912	2022-12-06	2018-11-23	Methods, media, apparatuses and computing devices of user data authorization based on blockchain	Gang Chen; Shanghu Luo; Yi Guo; Yongxiang Zhang;	Netease (hangzhou) Network Co., Ltd.;

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1,841	11521156	2022-12-06	2020-01-09	Trustable product delivery with RFID and smart chip	Daniel Pacheco; Vijender Koorella; Ching-Yun Chao; Richard Daniel Gunjal;	International Business Machines Corporation;
1,842	11521200	2022-12-06	2022-01-11	Creating and managing artificially intelligent entities represented by non-fungible tokens on a blockchain	Arif Khan;	
1,843	11521202	2022-12-06	2018-08-30	Distributed computing and storage network implementing high integrity, high bandwidth, low latency, secure processing	Andrew J Coleman; Anthony J O'Dowd;	International Business Machines Corporation;
1,844	11521205	2022-12-06	2020-11-21	Method for certificate transaction validation of blockchain-based resource public key infrastructure	Yaping Liu; Binxing Fang; Shuo Zhang; Qingyuan Li; Sufang Peng;	Guangzhou University;
1,845	11521275	2022-12-06	2019-10-03	Blockchain-based transaction processing method, apparatus, and electronic device	Jiyuan Wang; Xuebing Yan;	Advanced New Technologies Co., Ltd.;
1,846	11521290	2022-12-06	2020-01-14	Systems and methods for storing contract information on multiple blockchain ledgers	Patrick Damien O'Brien;	
1,847	11521444	2022-12-06	2022-05-09	Smart storage system	Yale Badik; Deanna Felker;	Kure, LLC;
1,848	11522670	2022-12-06	2020-12-01	Pyramid construct with trusted score validation	Anjali Gulati; Phillipus Van Eeden;	Maatadata, Inc.;
1,849	11522673	2022-12-06	2020-12-28	Method and device for blockchain full sharding based on a P2P storage network and a multi-layer architecture	Qizhong Zhu;	
1,850	11522676	2022-12-06	2019-09-10	High performance distributed system of record with key management	David C Carver; Samuel Erb;	Akamai Technologies, Inc.;
1,851	11522677	2022-12-06	2020-05-21	Systems and methods for trigger based synchronized updates in a distributed records environment	Jennifer Rutley; Abigail Jennings O'Malley;	Massachusetts Mutual Life Insurance Company;
1,852	11522690	2022-12-06	2019-06-07	Supply chain management system	Arnaldo A Detres; Alonzo Pierce;	Bengala Technologies, LLC;
1,853	11522700	2022-12-06	2019-02-22	Systems, methods, and program products for depositing, holding and/or distributing collateral as a token in the form of digital assets on an underlying blockchain	Ira Auerbach; Tyler Howard Winklevoss; Daniel William Halley James; Cameron Howard Winklevoss; Anas Saidi; Jamie Chapman; Brandon Arvanaghi; Stephen Judkins; Alex Parkinson; Eric Neiman Winer; Michael So;	Gemini Ip, LLC;
1,854	11522702	2022-12-06	2021-06-17	Secure onboarding of computing devices using blockchain	Ramani Panchapakesan; Ramanandan Nambannor Kunnath; Erich Stuntebeck;	Vmware, Inc.;
1,855	11522706	2022-12-06	2021-01-05	Method and system for publicly verifiable proofs of retrievability in blockchains	Wenting Li; Ghassan Karame;	Nec Corporation;
1,856	11522710	2022-12-06	2019-12-17	Blockchained media stored in a material exchange format file	Tyson York Winarski;	
1,857	11522716	2022-12-06	2020-03-13	Systems and methods of secure provenance for distributed transaction databases	Alex Zinder;	Nasdaq, Inc.;
1,858	11522726	2022-12-06	2021-06-29	Systems and methods for reading, storing, and correcting historical records in distributed ledgers	Vijay Alwar; Aditya Bharadwaj B N; Vishakha Lall;	Fmr Corp.;
1,859	11522947	2022-12-06	2021-06-09	System for implementing hybrid cloud computation engines using infrastructure optimization	Vinay Laxmikant Bade;	Bank of America Corporation;
1,860	11522995	2022-12-06	2019-06-21	Number management system, number management method, and number management device	Kenta Shinohara; Masayuki Akutsu; Hideki Shina; Noritaka Horikome;	Nippon Telegraph and Telephone Corporation;

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1,861	11523153	2022-12-06	2020-10-06	System and techniques for digital data lineage verification	Kenneth Taylor; Austin Grant Walters; Jeremy Edward Goodsitt; Fardin Abdi Taghi Abad; Reza Farivar; Vincent Pham; Anh Truong;	Capital One Services, LLC;
1,862	11520773	2022-12-06	2018-10-09	Blockchain notification board storing blockchain resources	Futoshi Iwama; Takaaki Tateishi; Shunichi Amano; Sachiko Yoshihama;	International Business Machines Corporation;
1,863	11513780	2022-11-29	2021-06-24	Methods, blockchain nodes and storage media for deploying smart contract	Qi Liu;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,864	11513827	2022-11-29	2021-06-23	Methods, blockchain nodes and storage media for executing smart contracts	Qi Liu;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,865	11514176	2022-11-29	2020-06-29	Systems and methods for controlled access to blockchain data	Melinda Teresa Magerkurth; Eric Bellas; Jaime Skaggs; Shawn M Call; Eric R Moore; Vicki King; Burton J Floyd; David Turrentine; Steven T Olson; Timothy Caleb Wells; Corin Rebekah Chapman; Edward W Breitweiser; Robert Gomez; Shelia Cummings Smith;	State Farm Mutual Automobile Insurance Company;
1,866	11514185	2022-11-29	2019-10-17	Blockchain-based transaction processing method and apparatus	Jiyuan Wang; Huabing Du; Xuebing Yan;	Advanced New Technologies Co., Ltd.;
1,867	11514191	2022-11-29	2020-07-30	Weighted source data secured on blockchains	Fausto Dassenno;	Ebay, Incorporated;
1,868	11514417	2022-11-29	2020-10-19	Systems and methods for operating a bridge server to support multiple shards of a blockchain	Cameron Thacker; Andrew Royer; Rudy Koch;	Mythical, Inc.;
1,869	11514434	2022-11-29	2018-11-06	Localized blockchain utilizing mesh networks for localized events	Austin Grant Walters; Jeremy Edward Goodsitt; Fardin Abdi Taghi Abad; Reza Farivar;	Capital One Services, LLC;
1,870	11514439	2022-11-29	2020-02-26	System and method using zero knowledge proofs for alert sharing	Simon Robins;	Nice Ltd;
1,871	11514440	2022-11-29	2017-04-14	Method for issuing authentication information and blockchain-based server using the same	Joo Han Song; Jay Wu Hong; Joon Sun Uhr;	Coinplug, Inc.;
1,872	11514441	2022-11-29	2021-02-22	System and method for decentralized title recordation and authentication	Sean Moss-Pultz; Casey Alt; Christopher Hall; Le Quy Quoc Cuong; Yu-Chiang Frank Wang; Tzu-Yun Eddie Lin;	Bitmark, Inc.;
1,873	11514444	2022-11-29	2020-11-03	Leveraging blockchain based machine learning modeling for expense categorization	Lin Ni Lisa Cheng; John Fields;	Capital One Services, LLC;
1,874	11514446	2022-11-29	2021-06-30	Method and apparatus for starting smart contract, electronic device, and storage medium	Fuxi Deng; Changzheng Wei; Yongqiang Li;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,875	11514457	2022-11-29	2019-05-23	Smart contract generation and execution system with built-in mediator selection and enforcement tools	Ami Turgman; Yosef Dinerstein; Ashwarya Poddar;	Microsoft Technology Licensing, LLC;
1,876	11514542	2022-11-29	2020-08-26	Smart containers and systems and methods for shipping and tracking smart containers	Raj Sohmshetty; Peter Friedman; Pramita Mitra;	Ford Global Technologies, LLC;
1,877	11515999	2022-11-29	2019-11-15	Systems and methods for selectively processing blockchain data	Jude Nelson;	Hiro Systems Pbc;
1,878	11516000	2022-11-29	2019-05-29	Approximate hash verification of unused blockchain output	Praveen Jayachandran;	International Business Machines Corporation;
1,879	11516001	2022-11-29	2021-02-16	Method and system for generalized provenance solution for blockchain supply chain applications	Steven C Davis; Rob Byrne; Robert Collins; Leandro Nunes Da Silva Carvalho; Deborah Eleanor Barta;	Mastercard International Incorporated;
1,880	11516011	2022-11-29	2021-06-29	Blockchain data processing methods and apparatuses based on cloud computing	Changzheng Wei; Ying Yan; Hui Zhang;	Alipay (hangzhou) Information Technology Co., Ltd.;

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1,881	11516147	2022-11-29	2019-10-02	Blockchain-based dynamic storage provisioner	Dylan Murray;	Red Hat, Inc.;
1,882	11507543	2022-11-22	2019-12-27	Permissionless blockchain consensus method with adjusting block weight, system and P2P network	Shu Shang; Chenxing Li; Peilun Li; Zhe Yang; Guang Yang; Dong Zhou; Ming Wu; Fan Long;	Shanghai Tree-graph Blockchain Research Institute;
1,883	11507565	2022-11-22	2019-12-26	Accelerated processing apparatus for transaction and method thereof	Chang Suk Yoon; Kyu Sang Lee; Hwa Yong Oh; Sang Won Lee; Ki Woon Sung;	Samsung Sds Co., Ltd.;
1,884	11507569	2022-11-22	2021-05-13	Methods for extending a proof-of-space-time blockchain	Bram Cohen; Krzysztof Pietrzak; Mariano Sorgente;	Chia Network Inc.;
1,885	11507929	2022-11-22	2019-11-08	Digital fiat currency	Simon J Hurry; Alexandre Pierre;	Visa International Service Association;
1,886	11507945	2022-11-22	2020-05-05	Method and system for usage of cryptocurrency, preventing financial crime	Eli Trakhovsky Talmor; Rita Trakhovsky Talmor;	
1,887	11507948	2022-11-22	2020-04-22	Blockchain architecture, system, method and device for automated cybersecurity and data privacy law compliance with delayed block posting protocol	H Anthony DeRosa-Grund;	Atrium Separate IP Holdings Number 4, LLC;
1,888	11508345	2022-11-22	2020-03-09	Systems and methods for facilitating transactions of musical stems between users of an online gaming platform and mixing of the musical stems	Michael Edward McLafferty;	Mythical, Inc.;
1,889	11508485	2022-11-22	2020-08-31	Automated risk of disease calculation system for mobile devices	Michael Yuz;	Usarad Holdings, Inc.;
1,890	11509455	2022-11-22	2018-06-04	Blockchain for general computation	Thomas Trevethan; Craig Steven Wright;	Nchain Licensing Ag;
1,891	11509464	2022-11-22	2020-06-15	System and method using a fitness-gradient blockchain consensus and providing advanced distributed ledger capabilities via specialized data records	Luis Eduardo Gutierrez-Sheris;	
1,892	11509472	2022-11-22	2021-01-21	Method for sharing models among autonomous vehicles based on blockchain	Changle Li; Fan Li; Yuchuan Fu; Pincan Zhao;	Xidian University;
1,893	11509482	2022-11-22	2018-05-14	Parameterisable smart contracts	Ying Chan; Dean Kramer;	Nchain Licensing Ag;
1,894	11509486	2022-11-22	2019-06-25	Identity attestation system and method	Jay Fallah; Kristopher Byrne; Kevin John Oerton; Josef Zankowicz; Scott Rankine; Prathap Siddavaatam;	Nxm Labs, Inc.;
1,895	11509489	2022-11-22	2022-06-02	Covert channel construction method in blockchain network	Yanjiao Chen; Wenyuan Xu; Xu Wang;	Zhejiang University;
1,896	11509637	2022-11-22	2020-01-18	Data transmission method, system and platform using blockchain, and storage medium	Jia Li; Yi Yuan; Xiaoliang Pan; Qing Yan;	Silver Rocket Data Technology (shanghai) Co., Ltd;
1,897	11509709	2022-11-22	2021-08-18	Providing access to encrypted insights using anonymous insight records	Anirban Basak; Thomas P Hardjono;	Fortifid, Inc.;
1,898	11509719	2022-11-22	2020-12-03	Blockchain technology in data storage system	Chaiwat Sittisombut; Colin Thomson;	Seagate Technology Incorporated;
1,899	11510169	2022-11-22	2021-01-19	Systems and methods for implementing permissionless network consensus using blockchain	Amir Haleem; Andrew Thompson; Andrew Allen; Marc Nijdam; Jay Kickliter;	
1,900	11507359	2022-11-22	2019-08-20	Performing firmware updates using blockchain	Chekim Chhuor; Zhi Jun Liu; Wen Wei Tang;	Lenovo Enterprise Solutions (singapore) Pte. Ltd.;

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1,901	11507928	2022-11-22	2018-06-05	Blockchain and cryptocurrency for real-time vehicle accident management	Ashish Kundu; Komminist Weldemariam; Clifford A Pickover;	International Business Machines Corporation;
1,902	11497938	2022-11-15	2020-09-17	System and method for general data protection regulation (GDPR) compliant hashing in blockchain ledgers	Guido Reissner; Monique Jeanne Morrow;	Syniverse Technologies, LLC;
1,903	11498805	2022-11-15	2019-08-08	Creation of a blockchain for maintenance records using identification tags	Devu Manikantan Shila; Adriaan Larmuseau;	Otis Elevator Company;
1,904	11500551	2022-11-15	2020-05-11	Control method, information processing device, management system, and recording medium	Akira Tanaka; Fumiaki Kagaya; Eiichi Abe; Junichiro Soeda;	Panasonic Intellectual Property Corporation of America;
1,905	11500729	2022-11-15	2020-03-19	System and method for preserving data using replication and blockchain notarization	Igor Tkachev; Vladimir Miroshkin; Serguei Beloussov; Stanislav Protasov;	Acronis International Gmbh;
1,906	11500845	2022-11-15	2021-06-21	Blockchain transaction processing systems and methods	Shikun Tian;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,907	11500861	2022-11-15	2021-01-29	Methods and systems for recording data based on plurality of blockchain networks	Xinying Yang;	Advanced New Technologies Co., Ltd.;
1,908	11500971	2022-11-15	2021-02-02	System for creating music publishing agreements from metadata of a digital audio workstation	Robert Hatcher;	Aurign, Inc.;
1,909	11501269	2022-11-15	2019-05-28	Decentralized fair mining pools	Jude Nelson; Aaron Blankstein;	Hiro Systems Pbc;
1,910	11501295	2022-11-15	2020-01-31	Object distribution processing	Guojun Ye;	Advanced New Technologies Co., Ltd.;
1,911	11501297	2022-11-15	2022-04-15	Blockchain agnostic token network	Ryan Tai; Madeeha Ghori; Daniel Barrett;	Block, Inc.;
1,912	11501315	2022-11-15	2019-12-03	Compliance verification of connected data	Petr Novotny; Qi Zhang; Palani Sakthi; Donna N Eng Dillenberger;	International Business Machines Corporation;
1,913	11501317	2022-11-15	2021-04-29	Methods, apparatuses, and devices for generating digital document of title	Wenhui Liu; Erfeng Yan;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,914	11501322	2022-11-15	2021-06-30	Blockchain-based data processing systems, methods, and apparatuses	Xiangyang Huo; Yushen Ma; Tiantian Li; Longlong He; Mingli Wang;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,915	11501345	2022-11-15	2019-11-21	Optimization of trusted invoicing	Yedendra Shrinivasan; Krishnasuri Narayanam; Seep Goel; Abhishek Singh; Vishnu Choudhary;	International Business Machines Corporation;
1,916	11501365	2022-11-15	2018-01-25	Blockchain systems and methods for managing property loan information	Lokesh Awasthy;	State Farm Mutual Automobile Insurance Company;
1,917	11501367	2022-11-15	2020-03-02	System and method of an automated agent to automatically implement loan activities based on loan status	Charles Howard Cella;	Strong Force Tx Portfolio 2018, LLC;
1,918	11501371	2022-11-15	2020-11-17	Distributed energy transaction matching method based on energy network constraints and multiple knapsack model	Tao Ding; Jiangbin Dong; Chenggang Mu; Ming Qu; Ke'er Ning; Xiaobo Dong; Jie Qi; Xiaomeng Zhang; Yuankang He; Tian'en Chen; Yongqing Wang; Jian Liu;	Xi'an Jiaotong University;
1,919	11501383	2022-11-15	2021-02-04	Fault determination of blockchain subrogation claims	Shawn M Call; Jaime Skaggs; Eric Bellas; Douglas A Graff; William J Leise; Vicki King; Jacob J Alt; Eric R Moore; Stacie A McCullough;	State Farm Mutual Automobile Insurance Company;
1,920	11501861	2022-11-15	2019-12-12	System and method to access casualty health information in an emergency situation	David Alan Finkelstein; Paige Erin Finkelstein; Ali Simone Finkelstein;	

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1,921	11502823	2022-11-15	2020-12-01	Internet of Things blockchain auditing	Ravishankar Chamarajnager; Devanand Kondur; Vasudev Yendapally; Niranjan Maka;	Vamware, Inc.;
1,922	11502828	2022-11-15	2017-11-15	Authenticating chaincode to chaincode invocations of a blockchain	Elli Androulaki; Angelo De Caro; Fabian Portmann; Alessandro Sorniotti;	International Business Machines Corporation;
1,923	11502848	2022-11-15	2019-09-18	Blockchain entity, off-chain entity, certification device for blockchain operations and method for performing a cooperation between a blockchain entity and an off-chain entity	Wen Xin Leong;	Infineon Technologies Ag;
1,924	11502858	2022-11-15	2020-11-16	Providing real-world time in a replicated state-machine environment	Bryan Fink; Ittai Abraham; Guy Golan Gueta; Andrew Joseph Stone;	Vmware, Inc.;
1,925	11503036	2022-11-15	2019-03-13	Methods of electing leader nodes in a blockchain network using a role-based consensus protocol	Ghassan Karame; Wenting Li;	Nec Corporation;
1,926	11503096	2022-11-15	2021-06-14	System and method for verifying and providing compensation for participation in real-time streaming of multimedia over a decentralized network	Chris Allen; Davide Lucchi; Paul Gregoire, Jr;	Infrared5, Inc.;
1,927	11503132	2022-11-15	2020-12-11	System and method for scalably tracking media playback using blockchain	Pouria Assadipour; Andrew Batey;	Beatdapp Software Inc.;
1,928	11501389	2022-11-15	2020-12-03	Systems and methods for advanced energy settlements, network-based messaging, and applications supporting the same on a blockchain platform	Joseph W Forbes, Jr; Nathaniel Taylor Brockman; Thomas Marshall Gordon, III; JiNan Glasgow George;	Causam Enterprises, Inc.;
1,929	11492132	2022-11-08	2019-07-03	Gas turbine engine configuration data synchronization with a ground-based system	Paul Raymond Scheid;	Raytheon Technologies Corporation;
1,930	11494171	2022-11-08	2021-08-10	Decentralized platform for deploying AI models	Soubir Acharya; Mirza Nasir Hossain; Parag Bhupatray Oza;	
1,931	11494270	2022-11-08	2020-10-08	Data backup method, storage medium, and computing device	Rui Guo; Mao Cai Li; Zong You Wang; Hai Tao Tu; Li Kong; Kai Ban Zhou; Chang Qing Yang; Nan Wang; Yong Ding; Yi Fang Shi;	Tencent Technology (shenzhen) Company Limited;
1,932	11494344	2022-11-08	2018-03-06	Customized endorsement logic for blockchain	Praveen Jayachandran; Senthilnathan Natarajan; Balaji Viswanathan;	International Business Machines Corporation;
1,933	11494345	2022-11-08	2020-09-29	System and method for blockchain based decentralized storage with dynamic data operations	Sumanta Sarkar; Harika Narumanchi; Lakshmi Padmaja Maddali;	Tata Consultancy Services Limited;
1,934	11494364	2022-11-08	2020-06-15	Systems and methods for trigger based synchronized updates in a distributed records environment	Jennifer Rutley; Abigail Jennings O'Malley;	Massachusetts Mutual Life Insurance Company;
1,935	11494392	2022-11-08	2020-12-17	Tracking entity activity using computer generation of values for blockchain network entries	Anil Lewis; Andrei Saikouski; Joseph Kim; Ally Karmali; Charbel Safadi;	International Business Machines Corporation;
1,936	11494403	2022-11-08	2020-03-13	Method and apparatus for storing off-chain data	Chang Hyun Lee; Sung Kee Noh; Hwan Jo Heo; Nam Seok Ko;	Electronics and Telecommunications Research Institute;
1,937	11494511	2022-11-08	2021-06-30	Data processing methods, apparatuses, and devices	Wenyu Yang; Shubo Li; Yuan Chen; Sheng Zhang; Renhui Yang; Qin Liu; Qin Xiong;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,938	11494677	2022-11-08	2018-09-05	Recording inference using a blockchain	Michael J Witbrock;	International Business Machines Corporation;
1,939	11494760	2022-11-08	2022-01-11	Creating and managing artificially intelligent entities represented by non-fungible tokens on a blockchain	Arif Khan;	
1,940	11494764	2022-11-08	2022-01-12	Methods and systems for smart contracts for security and filtering	Vijay Madisetti; Arshdeep Bahga;	

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1,941	11494766	2022-11-08	2020-02-14	Managing transactions on blockchain networks	Hui Fang; Yuan Yuan; Shengjiao Cao;	Advanced New Technologies Co., Ltd.;
1,942	11494799	2022-11-08	2021-05-14	Supporting action tracking and deeds between multiple parties	William C Rehm;	
1,943	11495344	2022-11-08	2020-09-02	Automated system and method for providing radiological second opinions	Michael Yuz; Alexander Krakopolsky; Dmitry Tochilnik;	Usarad Holdings, Inc.;
1,944	11495347	2022-11-08	2019-01-22	Blockchain framework for enforcing regulatory compliance in healthcare cloud solutions	Mario E De Armas;	
1,945	11496290	2022-11-08	2019-03-31	Blockchain network and finalization method therefor	Takafumi Komiyama;	Bitflyer Blockchain, Inc.;
1,946	11496291	2022-11-08	2020-07-30	Validating received sensor data using computer cryptographic processing	Al Chakra; Bryce Frey; Komal Shrivastava; Jonathan Erskine; Matthew Fletcher;	International Business Machines Corporation;
1,947	11496300	2022-11-08	2018-06-11	Computer-implemented system and method for time release encryption over a blockchain network	Thomas Trevethan; Craig Steven Wright;	Nchain Licensing Ag;
1,948	11496304	2022-11-08	2020-12-01	Information processing device, information processing method, and storage medium	Takuma Takeuchi; Ken Kamakura;	Fujitsu Corporation;
1,949	11496311	2022-11-08	2021-09-05	System and method for authenticating user identity	Brian R Gallagher; Darwin R Lo;	Insights Network;
1,950	11496312	2022-11-08	2022-05-10	Collecting surveys with secure identities via a blockchain	Brian R Gallagher; Darwin R Lo;	Insights Network;
1,951	11496319	2022-11-08	2019-09-18	Method of identity authentication for voice over internet protocol call and related device	Geng-Bao Lin;	Acer Inc.;
1,952	11496327	2022-11-08	2022-04-22	Secure and trustworthy bridge for transferring assets across different networks	Michael Edmond Kaplan; Conor Leary; Nicholas Mussallem; Emin Gun Sirer; Bernard Wong;	Ava Labs, Inc.;
1,953	11496485	2022-11-08	2021-04-05	Task completion using a blockchain network	Corey Clark;	Balanced Media Technology, LLC;
1,954	11496558	2022-11-08	2020-01-29	Peer-to-peer blockchain fabric management mechanism	Prabhanjan Gururaj; Thomas Golway; Grandhi Gururaja; Sharath Gopinath;	Hewlett Packard Enterprise Development LP;
1,955	11496945	2022-11-08	2019-05-09	Systems and methods for propagating data packets in a network of nodes	Silvia Bartolucci; Simone Madeo;	Nchain Licensing Ag;
1,956	11487736	2022-11-01	2021-06-21	Blockchain transaction processing systems and methods	Shikun Tian;	Alipay (hangzhou) Information Technology Co., Ltd.;
1,957	11487749	2022-11-01	2019-05-30	Method and system for verifying and maintaining integrity of data transactions using distributed ledger	Geoffrey Tipton; Darren Wang Yip Lui; Ian Chung Yuen Huen;	Aenco Technologies Limited;
1,958	11487851	2022-11-01	2018-03-19	Using blockchain for flexible application licensing	Rojan Jose; Brian M Arthur; Akash U Dhoot; Shailendra Moyal; Joseph Korting; Karan K Navani;	International Business Machines Corporation;
1,959	11487852	2022-11-01	2018-06-26	Blockchain-based license management	Shinose Abdul Rahiman; Chitrak Gupta;	Dell Products Inc.;
1,960	11487886	2022-11-01	2019-05-03	Database private document sharing	Vijender Koorella; Pramod Verma; Richard Gunjal; Ching-Yun Chao; Jeronimo Irazabal;	International Business Machines Corporation;

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1,961	11487891	2022-11-01	2020-10-14	Method and system for mental performance computing using artificial intelligence and blockchain	Philip Chidi Njemanze;	
1,962	11488120	2022-11-01	2017-02-16	Methods and systems for the efficient transfer of entities on a blockchain	Craig Steven Wright; Stephane Savanah;	Nchain Holdings Limited;
1,963	11488123	2022-11-01	2020-11-12	Blockchain payment notification system	Rajendra Mokshagundam; Smitha Menon; Rajeesh Koythatta Mee;	Capital One Services, LLC;
1,964	11488143	2022-11-01	2019-10-14	Resource transaction method, node, device and storage medium	Shuai Zhang;	Tencent Technology (shenzhen) Company Limited;
1,965	11488144	2022-11-01	2018-06-19	System and method of multi-round token distribution using a blockchain network	Daniel Joseph; Silvia Bartolucci;	
1,966	11488145	2022-11-01	2020-03-17	Method and system for user-based distributed ledgers	Ayushi Jain; Ankur Sarwate; Sidharth Goel; Chandan Garg;	Mastercard International Incorporated;
1,967	11488147	2022-11-01	2017-04-12	Computationally efficient transfer processing and auditing apparatuses, methods and systems	Xinxin Sheng; Thomas Stephen McGuire; Amanda Chiu; Jonathan Hromi; Raghav Chawla;	Fmr Corp.;
1,968	11488162	2022-11-01	2020-02-26	Automatically storing metrics relating to payments in a blockchain	Sowmya Tammana; Manoj Kumar Pendyala; Venkata Naga Manikanta Yakkala;	Salesforce.com, Inc.;
1,969	11488176	2022-11-01	2019-01-31	Systems, methods, and apparatuses for implementing certificates of authenticity of digital twins transacted onto a blockchain using distributed ledger technology (DLT)	Prithvi Krishnan Padmanabhan; Marc Benioff;	Salesforce.com, Inc.;
1,970	11488219	2022-11-01	2021-02-22	End-to-end food delivery ecosystem	Amit Thawait;	Dishefs LLC;
1,971	11488267	2022-11-01	2020-02-07	Managing transboundary water use using a distributed ledger and machine learning	Timothy Nyota; Isaac Waweru Wambugu; Shikhar Kwatra; Komminist Weldemariam; Fred Ochieng Otieno;	International Business Machines Corporation;
1,972	11488268	2022-11-01	2019-10-28	Authenticity verification of a digital model	Johannes Maunz; Bernd Reimann;	Hexagon Technology Center Gmbh;
1,973	11488271	2022-11-01	2018-10-16	System and method for supplier information management	Mohan Venkataraman; Sai Nidamarty; Shyam Charit Adivi; Alex Rosen; Gary Storr; Stephen John Rogers; Derek Lamar Harrison; Vishnu Praneeth Tadepalli; Daniel J Schaefer;	
1,974	11488433	2022-11-01	2018-01-11	Method and system for public elections on a moderated blockchain	Steven Charles Davis;	Mastercard International Incorporated;
1,975	11488488	2022-11-01	2020-01-03	Blockchain-based solution for internet of drones security and privacy	Anis Koubaa; Azza Allouche; Mohamed Khalgui; Omar Cheikhrouhou;	Prince Sultan University;
1,976	11488727	2022-11-01	2019-10-30	Immutable system of records for IoT/control systems for compliance	Kiran V Hegde;	Logicmatter, Inc.;
1,977	11489662	2022-11-01	2018-08-30	Special relationships in a blockchain	Pralhad Dinesh Deshpande; Raghav Sood; Yuan Yuan;	International Business Machines Corporation;
1,978	11489664	2022-11-01	2020-04-22	Contribution incentive-based blockchain collaboration method and system	Xun Liang; Kongbo Li; Yang Xue;	Renmin University of China;
1,979	11489672	2022-11-01	2018-11-06	Verification of conditions of a blockchain transaction	Jeb R Linton; James R Kraemer;	International Business Machines Corporation;
1,980	11489674	2022-11-01	2018-05-18	Method and network node for managing access to a blockchain	James Kempf; Anshu Shukla; Nanjangud Chandrasekhara Swamy Narendra; Sambit Nayak;	Telefonaktiebolaget Lm Ericsson (publ);

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1,981	11489676	2022-11-01	2020-10-14	Blockchain internet-of-things system and related method	Abilash Soundararajan; Michael Reid Tennefoss;	Hewlett Packard Enterprise Development LP;
1,982	11489679	2022-11-01	2020-07-06	Methods and systems for submission and validating decentralized verifiable claims in a physical world	Abilash Soundararajan; Michael Reid Tennefoss; Arpit Bhatt;	Hewlett Packard Enterprise Development LP;
1,983	11489693	2022-11-01	2018-06-08	Home network access	Joshua Daniel; Paul Kearney;	British Telecommunications Public Limited Company;
1,984	11489816	2022-11-01	2019-07-30	Blockchain joining for a limited processing capability device and device access security	Rundong Huang;	Ezblock Ltd.;
1,985	11489914	2022-11-01	2020-01-19	Contextual intelligence of every-thing communication platform integrating edge computation, augmented intelligence and distributed ledger data storage nodes and tokens for real world data interactions across internet of things with payment integration	Bernt Erik Bjontegard;	
1,986	11488158	2022-11-01	2019-09-05	Blockchain architecture, system, method and device for automated cybersecurity and data privacy law compliance with proprietary off-chain storage mechanism	H Anthony DeRosa-Grund;	Atrium Separate IP Holdings Number 4, LLC;
1,987	11488258	2022-11-01	2020-02-06	Authentication, authorization and audit of digital assets using the blockchain	James Cross; Kegan Dougal; Rob Lundie Hill; Daniel Lewington; Richard Collin;	Refinitiv US Organization LLC;
1,988	11478712	2022-10-25	2020-12-03	Online gaming platform for random number generation	Min Yi; Arthur Iinuma;	
1,989	11481207	2022-10-25	2021-05-24	Blockchain based secure software updates for IoT devices	Gabriel Jerome Solomon; Peng Zhang; Yuhong Liu; Rachael Brooks;	Santa Clara University;
1,990	11481268	2022-10-25	2020-08-03	Blockchain management of provisioning failures	Jing Bo Jiang; Li Ni Zhang; Li Long Chen; Yu Zhao; Wen Rui Zhao; Lan Luo; Li Jiang;	International Business Machines Corporation;
1,991	11481360	2022-10-25	2017-04-07	Blockchain network and method of operation thereof	Hwa-Shang Chang;	
1,992	11481375	2022-10-25	2019-09-20	Point-to-point distributed decentralized system	Maodong Xu;	Apifiny Group Inc.;
1,993	11481499	2022-10-25	2019-08-05	Blockchain security system	Yue Li; Theodore Harris; Tatiana Korolevskaya;	Visa International Service Association;
1,994	11481511	2022-10-25	2017-11-03	Secure identity and profiling system	Sumit Amar;	Visa International Service Association;
1,995	11481518	2022-10-25	2017-12-14	Blockchain-based method for registration and verification of a file	Bruno Lowagie;	Itext Group Nv;
1,996	11481583	2022-10-25	2018-06-29	Algorithm management blockchain	Ned M Smith;	Intel Corporation;
1,997	11481740	2022-10-25	2017-04-25	Distributed ledger for peer-to-peer cloud data asset valuation	Stephen Todd; Robert A Lincourt, Jr; Misha Nossik; Lejin Du;	Emc IP Holding Company LLC;
1,998	11481765	2022-10-25	2021-01-27	Blockchain-based transaction processing method and apparatus and electronic device	Jiyuan Wang; Xuebing Yan;	Advanced New Technologies Co., Ltd.;
1,999	11481775	2022-10-25	2019-10-03	Method, apparatus and electronic device for blockchain transactions	Lichun Li; Wenbin Zhang; Baoli Ma; Zheng Liu; Shan Yin;	Advanced New Technologies Co., Ltd.;
2,000	11481786	2022-10-25	2018-03-14	Genuine instance of digital goods	Eric Diehl;	Sony Group Corporation; Sony Pictures Entertainment, Inc.;

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2,001	11481848	2022-10-25	2020-08-11	Blockchain controlled multi-carrier auction system for usage-based auto insurance	Matthew L Floyd;	State Farm Mutual Automobile Insurance Company;
2,002	11483129	2022-10-25	2018-05-09	Method and apparatus for reaching blockchain consensus	Yan Zhang; Yi Shi;	Hefei Dappworks Technology Co., Ltd.;
2,003	11483130	2022-10-25	2018-08-27	Bidirectionally linked extended blockchain structure	Andreas Wilke; Ilya Komarov;	Bundesdruckerei Gmbh;
2,004	11483131	2022-10-25	2020-01-09	Ability to forget in blockchain	Ian Yuan Yuan Huang; Eric Zhiqiang Ma;	Eternal Paradise Limited;
2,005	11483134	2022-10-25	2020-10-29	One-time-pad encryption system and methods adapted to block-chain transactions	William Perry Ragan; Jack Ragan;	
2,006	11483138	2022-10-25	2020-03-19	Information processing apparatus and non-transitory computer readable medium	Toru Osamura;	Fujifilm Business Innovation Corp.;
2,007	11483154	2022-10-25	2020-02-19	Artificial intelligence certification of factsheets using blockchain	Kalapriya Kannan; Pranay Kumar Lohia; Samuel Hoffman; Kush Raj Varshney; Sameep Mehta;	International Business Machines Corporation;
2,008	11483338	2022-10-25	2018-04-16	Secure blockchain-based consensus	Pedro Jimenez-Delgado;	Nchain Holdings Limited;
2,009	11483347	2022-10-25	2019-11-26	High performance distributed system of record with secure interoperability to external systems	Samuel Erb; Mark A Roman; Talmai Oliveira; David C Carver;	Akamai Technologies, Inc.;
2,010	11483742	2022-10-25	2021-03-29	System and method for a distributed ledger for base station slicing using blockchain	Onur Ibek; Oguz Oktay; Seyhan Civanlar;	Netsia, Inc.;
2,011	11474784	2022-10-18	2019-03-15	Computer-implemented methods and systems relating to arithmetic coding for serialised arithmetic circuits	Silvia Bartolucci; Simone Madeo; Craig Steven Wright;	Nchain Licensing Ag;
2,012	11474854	2022-10-18	2018-10-30	Transformation of inter-organization process for execution via blockchain	Hiroaki Nakamura; Michiharu Kudo; Kohtaroh Miyamoto;	International Business Machines Corporation;
2,013	11474994	2022-10-18	2018-12-27	Distributed blockchain oracle	Daniel Middleton; Shawn Amundson;	Intel Corporation;
2,014	11475157	2022-10-18	2020-07-31	Method and system of preserving privacy for usage of lightweight blockchain clients	Sinisa Matetic; Ghassan Karame; Srdjan Capkun;	Nec Corporation;
2,015	11475365	2022-10-18	2020-04-09	Verification of stochastic gradient descent	Kanthi Sarpatwar; Karthikeyan Shanmugam; Venkata Sitaramagiridharganesh Ganapavarapu; Roman Vaculin;	International Business Machines Corporation;
2,016	11475419	2022-10-18	2019-09-10	Universal subscription and cryptocurrency payment management platforms and methods of use	Robert Dale Beadles; Sneh Snehal Bhatt;	
2,017	11475420	2022-10-18	2020-04-29	System and method for true peer-to-peer automatic teller machine transactions using mobile device payment systems	Dan Kikinis; Ari Birger; Sree Iyer;	Liquineq Ag;
2,018	11475422	2022-10-18	2018-03-28	Blockchain-based property management	Suki Ramasamy; Sasidhar Purushothaman;	Bank of America Corporation;
2,019	11475438	2022-10-18	2019-09-09	Real-time processing distributed ledger system	Joseph Benjamin Castinado; Charles Russell Kendall; Martha Sain McClellan; Lee Ann Proud; Ayeesha Sachedina; Calvin William Tackett, Jr;	Bank of America Corporation;
2,020	11475442	2022-10-18	2019-11-19	System, method and program product for modifying a supply of stable value digital asset tokens	Daniel William Halley James; Cameron Howard Winklevoss; Tyler Howard Winklevoss; Brandon Arvanaghi; Eric Neiman Winer; Stephen Judkins; Alex Parkinson;	Gemini Ip, LLC;

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2,021	11475449	2022-10-18	2022-03-22	Multi-layer digital asset architecture for virtual and mixed reality environments	Christopher Andon; Hien Tommy Pham; David S Nay;	Nike, Inc.;
2,022	11475453	2022-10-18	2019-12-31	System and techniques for utilizing a smart contracts library	Stephen Wylie; Qiaochu Tang;	Capital One Services, LLC;
2,023	11475494	2022-10-18	2022-05-23	Systems and methods for creating apparel that provides embedded verification of a transferrable non-fungible token	Danny Davis;	Offstage Holdings, Inc.;
2,024	11475527	2022-10-18	2020-08-21	Using historical data for subrogation on a distributed ledger	William J Leise; Douglas A Graff; Anthony McCoy; Jaime Skaggs; Shawn M Call; Stacie A McCullough; Wendy H Clayton; Melinda Teresa Magerkurth; Kim E Flesher; Travis Charles Runge;	State Farm Mutual Automobile Insurance Company;
2,025	11475925	2022-10-18	2022-02-11	Protective case for a hard disk device based on blockchain	Yuanzhi Wang; Zizhen Shi; Xin Zheng; Zhong Huang; Juan Liu; Zhouping Yin;	Anqing Normal University;
2,026	11477008	2022-10-18	2021-06-24	Service processing methods, apparatuses, devices and systems	Ge Jin; Jiawei Liu; Chenkan Shen; Chifei Zhang; Fansheng Kong;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,027	11477010	2022-10-18	2020-09-11	Systems and methods for feature-based rating via blockchain	William J Leise; Douglas A Graff; Stacie A McCullough; Shawn M Call; Eric Bellas; Jaime Skaggs; Jacob J Alt; Eric R Moore; Vicki King;	State Farm Mutual Automobile Insurance Company;
2,028	11477015	2022-10-18	2018-12-21	Quantum state blockchain	Robert Stanley Smith; Nicholas C Rubin; Johannes Sebastian Otterbach;	Rigetti & Co, LLC;
2,029	11477031	2022-10-18	2019-12-01	Node characterization in a blockchain	Bhavani K Eshwar; Subramanian B Manjunath; Soma S Naganna; Subramanian Palaniappan;	International Business Machines Corporation;
2,030	11477032	2022-10-18	2021-02-11	System and method for decentralized-identifier creation	Renhui Yang; Jiawei Liu; Yuan Chen; Yuqi Lin;	Advanced New Technologies Co., Ltd.;
2,031	11477228	2022-10-18	2020-01-03	Method and system for blockchain accreditation mechanism based on cybersecurity risk	Sultan Saadaldean Alsharif; Wael Mohammed Alagi;	Saudi Arabian Oil Company;
2,032	11477271	2022-10-18	2021-09-27	Load balancing in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
2,033	11477279	2022-10-18	2021-09-16	Digital assets exchange coordination	Denis Avrilionis; Thomas P Hardjono;	Compellio S.a.;
2,034	11477719	2022-10-18	2021-03-05	Wireless communication service responsive to an artificial intelligence (AI) network	Lyle Walter Paczkowski; Ada Nelly Pitocco; Zachary Kenneth McLain;	Sprint Communications Comapny L.p.;
2,035	11474488	2022-10-18	2020-05-07	Use of blockchain based distributed consensus control	Lawrence Orsini;	Lo3 Energy Inc.;
2,036	11474971	2022-10-18	2018-08-01	System and method for creating a mutual reference between a blockchain and a private repository	Hossein Kakavand; Samuel Wood;	Luther Systems US Incorporated;
2,037	11475025	2022-10-18	2021-03-12	Blockchain system comprising consensus protocol using search for good approximate solutions to any optimization problem and its computor program	Naoki Shibata;	Proof-of-search K.k.;
2,038	11477005	2022-10-18	2022-02-03	Systems for multi-blockchain, multi-token interoperability via common blockchain integration and methods of use thereof	Kevin Lupowitz; Eric Couillard; Sanjaya Kulkarni; Brian Bruce; Sanjay Deshpande; Omari Edwards; Joe Grastara; Al Gleicher;	Tassat Group Inc.;
2,039	11477013	2022-10-18	2020-11-17	Methods and devices for cryptographic key management based on blockchain system	Jiayi Shao;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,040	11477084	2022-10-18	2019-09-11	Method and system for node discovery and self-healing of blockchain networks	Steven C Davis;	Mastercard International Incorporated;

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2,041	11468044	2022-10-11	2019-11-25	Optimizations for verification of interactions system and method using probability density functions	Mahdi Zamani; Lucianna Kiffer; Karl Benedikt Bunz;	Visa International Service Association; Leland Stanford Junior University;
2,042	11468046	2022-10-11	2019-01-17	Blockchain methods, nodes, systems and products	John P Conley; Stephanie A So;	Geeq Corporation;
2,043	11468048	2022-10-11	2021-06-22	Asset management method and apparatus, and electronic device	Xuebing Yan;	Advanced New Technologies Co., Ltd.;
2,044	11468077	2022-10-11	2018-06-05	Computer-implemented system and method for managing transactions over a blockchain network	Giuseppe Destefanis; Simone Madeo; Patrick Motylinski; Stephane Vincent;	Nchain Licensing Ag;
2,045	11468176	2022-10-11	2019-12-06	Computer method and graphical user interface for identity management using blockchain	Carlos W Korten; Dhiraj Rattan; Cory Moreira;	Pasig and Hudson, Pvt Limited;
2,046	11468345	2022-10-11	2019-01-09	Managing information for model training using distributed blockchain ledger	Kevin Gidney;	Docusign International (emea) Limited;
2,047	11468390	2022-10-11	2019-07-01	Secure shipping interactions using blockchains	Nambi Sankaran; Constanza Maria Heath; Someshekhar Banerjee; David John Kamalsky; Abhishek Pandey; Mikhail Tsirelson;	Ebay, Incorporated;
2,048	11468411	2022-10-11	2018-06-11	Method and system of mining blockchain transactions provided by a validator node	Giuseppe Destefanis; Simone Madeo; Patrick Motylinski; Stephane Vincent;	Nchain Licensing Ag;
2,049	11468412	2022-10-11	2019-04-02	System and method for composite cryptographic transactions	Karim Talal Hamasni; Stefan Mueller; Atilla Murat Firat; Matthew Thomas Peskett;	Royal Bank of Canada;
2,050	11468431	2022-10-11	2019-11-15	System and method for authorizing blockchain network transactions	Josh Williams; Raymond A Chiapuzio; Michael B Li;	Forte Labs, Inc.;
2,051	11468435	2022-10-11	2020-04-23	Apparatus and methods of air-gapped crypto storage using diodes	Liang Cheng; Atul Patil; Austin Trombley;	Blockchain Innovation, LLC;
2,052	11468439	2022-10-11	2017-01-12	Systems and methods for blockchain based proof of payment	Sastry Durvasula; Andras Ferenczi; Sathish Muthukrishnan; Vishnuvajhala V Subrahmanyam;	American Express Travel Related Services Company, Inc.;
2,053	11468441	2022-10-11	2020-07-14	Systems and methods for creating multiple ordered records based on an ordered smart contract	Ajith Thekadath; Timothy P Tidwell; Venkata Javaji; Mondo Jacobs;	Visa International Service Association;
2,054	11468444	2022-10-11	2017-12-18	Method and system for bypassing merchant systems to increase data security in conveyance of credentials	Shreya Mittal; Nishant Maheshwari; Ankur Arora;	Mastercard International Incorporated;
2,055	11468522	2022-10-11	2019-04-28	Personal currency in a blockchain system	Fung Tien Chay;	Eversus International Limited;
2,056	11468531	2022-10-11	2019-01-31	Methods and apparatus for rewarding user on-line course performance via blockchain mining	Ann Marie Sastry;	Amesite Inc.;
2,057	11469886	2022-10-11	2019-10-29	System or method to implement record level access on metadata driven blockchain using shared secrets and consensus on read	Prithvi Krishnan Padmanabhan;	Salesforce.com, Inc.;
2,058	11469891	2022-10-11	2018-06-11	Expendable cryptographic key access	Joshua Daniel;	British Telecommunications Public Limited Company;
2,059	11469897	2022-10-11	2019-03-28	Integrating biometric data on a blockchain system	Zackary Irani-Cohen;	Biometric Blockchain, LLC;
2,060	11470092	2022-10-11	2018-06-08	Expendable network access	Joshua Daniel;	British Telecommunications Public Limited Company;

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2,061	11470158	2022-10-11	2020-07-14	Systems and methods for asynchronous API-driven external application services for a blockchain	William K Devine; Emma J Scopino; Robert W Jenkins; Vinod Srinivasan;	The Travelers Indemnity Company;
2,062	11470203	2022-10-11	2020-01-28	System, method, and computer program for providing device centric payment authorization in roaming conditions	Eran Yosef Paran; Shmuel Ur;	Amdocs Development Limited;
2,063	11470535	2022-10-11	2020-03-26	Systems and methods for locating server nodes in close proximity to edge devices using georouting	James A Thomason;	Edjx, Inc.;
2,064	11468518	2022-10-11	2020-04-14	Use of blockchain based distributed consensus control	Lawrence Orsini; Yun Wei; Joseph Lubin;	Transactive Grid Inc.;
2,065	11458322	2022-10-04	2020-08-31	Data integrity for medical devices using blockchain solutions	Várkuti Bálint;	Ceregate Gmbh;
2,066	11461245	2022-10-04	2017-11-16	Blockchain operation stack for rewritable blockchain	Elena Yurievna Medvedeva; Maksim Aleksandrovich Pavlov; Ilya Aleksandrovich Trofimov; Giuseppe Ateniese; John Velissarios;	Accenture Global Solutions Limited;
2,067	11461307	2022-10-04	2019-10-31	Ensuring data integrity of executed transactions	Sarthak Pattanaik; Vadim Pertsovskiy;	The Bank of New York Mellon Corporation;
2,068	11461455	2022-10-04	2018-07-16	Method and system of secure configuration of at least one electronic device	Holger Assenmacher; Thomas Dienwiebel;	Cryptowerk Corp.;
2,069	11461768	2022-10-04	2017-08-21	Systems and methods for data file transfer balancing and control on blockchain	Shyamala Chalakudi; Ming Yin;	American Express Travel Related Services Company, Inc.;
2,070	11461771	2022-10-04	2019-11-14	Hybrid digital ledger control with address encoding	Zachary Robert Coburn; Luka Podlesnik;	Firstblood Technologies, Inc.;
2,071	11461773	2022-10-04	2021-01-29	Blockchain-based node management methods and apparatuses	Dong Pan;	Advanced New Technologies Co., Ltd.;
2,072	11461774	2022-10-04	2022-01-11	Creating and managing artificially intelligent entities represented by non-fungible tokens on a blockchain	Arif Khan;	
2,073	11461775	2022-10-04	2018-08-22	System and method for tracking of provenance and flows of goods, services, and payments in responsible supply chains	Peter Bodorik; Dawn Jutla;	Peer Ledger Inc.;
2,074	11461860	2022-10-04	2021-06-29	Signing methods, apparatuses and devices of electronic contract	Zhe Han;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,075	11461861	2022-10-04	2021-11-18	Net settlement of subrogation claims using a distributed ledger	Ryan Maurer; Nolan White; Kyle D Weber; Edward Austin; William Guthrie; Dustin Helland; Bharat Prasad; Sharon Kay Haverlah; Karen Marie Shackelford-George;	State Farm Mutual Automobile Insurance Company; United Services Automobile Association (usaa);
2,076	11462120	2022-10-04	2018-10-19	Method and system for conducting examinations over blockchain	Chandan Garg; Jaipal Singh Kumawat;	Mastercard International Incorporated;
2,077	11463238	2022-10-04	2018-04-06	Bidirectionally linked blockchain structure	Andreas Wilke; Manfred Paeschke; Ilya Komarov;	Bundesdruckerei Gmbh;
2,078	11463241	2022-10-04	2017-10-20	Transmitting or receiving blockchain information	Abilash Soundararajan; Michael Reid Tennefoss;	Hewlett Packard Enterprise Development LP;
2,079	11463260	2022-10-04	2017-06-30	Blockchain-implemented control method and system for controlling an external process or system	Ying Chan;	Nchain Holdings Limited;
2,080	11463278	2022-10-04	2021-06-30	Message transmission methods and apparatuses	Chao Zeng; Jiang Wang; He Sun;	Alipay (hangzhou) Information Technology Co., Ltd.;

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2,081	11463310	2022-10-04	2018-11-20	Blockchain network management	Krishnaji Rao Amburey;	Sap Se;
2,082	11463553	2022-10-04	2021-06-29	Methods and apparatuses for identifying to-be-filtered transaction based on blockchain integrated station	Zongru Zhan; Xiaoli Liu; Jiang Wang; Fuxi Deng; Zheng Cao; Chao Zeng;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,083	11458402	2022-10-04	2019-12-11	Blockchain gaming system	Charles McCoy; True Xiong; Nathan Blaine Morgan; Christopher McEniry;	Sony Interactive Entertainment Inc.;
2,084	11461678	2022-10-04	2020-03-20	Digital blockchain for lending	Paul Golding;	Prosper Funding LLC;
2,085	11453009	2022-09-27	2020-08-31	Test tube	Yen-Yi Ho;	Ai Bioelectronic Healthtech Co., Ltd.;
2,086	11455378	2022-09-27	2017-02-14	Method and system for securing computer software using a distributed hash table and a blockchain	Craig Steven Wright; Stephane Savanah;	Nchain Holdings Limited;
2,087	11455380	2022-09-27	2018-11-20	Chain-of-custody of digital content in a database system	Sumit Patel; Leigh Williamson; Howard N Anglin; Christopher M Crane;	International Business Machines Corporation;
2,088	11455505	2022-09-27	2021-03-02	Injection vial management system	Yen-Yi Ho;	Ai Bioelectronic Healthcare Co., Ltd.;
2,089	11455598	2022-09-27	2019-11-20	Automated conflict resolution	Yedendra Shrinivasan; Rak-Joon Choi; Andrew Douglas Nelson; Parameswaran Selvam;	International Business Machines Corporation;
2,090	11455627	2022-09-27	2017-04-13	System of security using blockchain protocol	Ric B Richardson;	Haventec Pty Ltd;
2,091	11455630	2022-09-27	2017-04-10	Method for secure peer-to-peer communication on a blockchain	Craig Steven Wright; Stephane Savanah;	Nchain Holdings Limited;
2,092	11455632	2022-09-27	2021-08-24	Method for mediating virtual asset transmission	Jae Hoon Oh; Hyeok Choi;	Dunamu Inc.; Lambda256;
2,093	11455642	2022-09-27	2016-09-19	Distributed ledger based interchange	Hudson R Jameson; Steven J Schroeder; Gunjan Vijayvergia; Cory Matheson;	United Services Automobile Association (usaa);
2,094	11455643	2022-09-27	2018-10-04	Blockchain with transaction cancellation	Nikos Moustakas;	Koninklijke Kpn N.v.;
2,095	11455651	2022-09-27	2019-04-16	Attribution of conversion made by a client using impression block and conversion block	Andrew Knox;	Meta Platforms, Inc.;
2,096	11455694	2022-09-27	2020-05-20	System and methods for building a digital asset based social media application and reward platform	Alexander DiNunzio; Jason Ciruolo; Brian Weaver; Brandon Groeger;	Jambb Inc.;
2,097	11456858	2022-09-27	2018-09-20	Bidirectionally linked blockchain structure	Ilya Komarov; Manfred Paeschke; Peter Janacik;	Bundesdruckerei Gmbh; Technische Universitat Berlin;
2,098	11456871	2022-09-27	2020-11-03	System and method for autonomous mapping of enterprise identity	Kyle Barrett Thomas; Eoin Connolly; Stefan Schmidt;	Provide Technologies, Inc.;
2,099	11456875	2022-09-27	2018-05-14	Trustless deterministic state machine	Ying Chan; Dean Kramer;	Nchain Licensing Ag;
2,100	11456880	2022-09-27	2019-03-25	Cryptographically secure mechanism for remotely controlling an autonomous vehicle	Antonino Mondello; Alberto Troia;	Micron Technology Incorporated;

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#	Patent No	Pub. Date	Filed	Title	Inventors	Assignees
2,101	11457009	2022-09-27	2020-07-16	Systems and methods for securing devices in a computing environment	Chasity Latrice Wright;	Infiltron Holdings, Inc.;
2,102	11457111	2022-09-27	2020-11-25	Method and apparatus for verifying the correctness of a roaming account balance	Baolei Xu; Yuanyuan Zhang; Teng Shi;	Huawei Technologies Co., Limited;
2,103	11446952	2022-09-20	2021-08-27	Structure for secure containment of information	Adam Trexler; Laurie Johansen; Paul Diffendaffer; Kelda Diffendaffer;	
2,104	11449285	2022-09-20	2019-07-12	Document security and integrity verification based on blockchain in image forming device	Sungjin Park;	Hewlett-packard Development Company, L.p.;
2,105	11449472	2022-09-20	2019-03-13	Image blockchain system and method	Ajit Vilasrao Patil; Atindra Nath Ghosh; Balkrishna Dinesh Pangam;	Visa International Service Association;
2,106	11449476	2022-09-20	2020-03-25	Extracting data from a blockchain network	Martin Oberhofer; Florian Mentzel; Hien Pham The; Thishanth Thevarajah;	International Business Machines Corporation;
2,107	11449478	2022-09-20	2020-10-08	Blockchain implemented data migration audit trail	Kumar Saurabh; Gururajan Sundaramurthy; Susheel Gooly;	Kyndryl, Inc.;
2,108	11449621	2022-09-20	2020-07-15	Image forming apparatus capable of using blockchain, control method, and storage medium	Kei Sato; Mikihiko Kamekawa;	Canon Kabushiki Kaisha;
2,109	11449641	2022-09-20	2021-07-21	Integrity of communications between blockchain networks and external data sources	Yirong Yu;	Advanced New Technologies Co., Ltd.;
2,110	11449819	2022-09-20	2019-06-28	Blockchain-based authentication and authorization	Constanza Maria Heath; Ethan Benjamin Rubinson;	Ebay, Incorporated;
2,111	11449865	2022-09-20	2019-10-31	Method and device for avoiding double-spending problem in read-write set-model-based blockchain technology	Zhiyuan Feng;	Advanced New Technologies Co., Ltd.;
2,112	11449873	2022-09-20	2020-09-28	Blockchain transaction reconciliation method and apparatus, and electronic device	Danqing Hu; Sen Lin; Junliang Zhang;	Advanced New Technologies Co., Ltd.;
2,113	11449876	2022-09-20	2021-04-30	Methods, apparatuses, devices, and systems for asset transfer	Yujun Peng;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,114	11449887	2022-09-20	2017-10-09	Systems and methods for loyalty point distribution	Sastry Durvasula; Andras Ferenczi; Harish Naik; Vishnuvajhala Subrahmanyam;	American Express Travel Related Services Company, Inc.;
2,115	11449911	2022-09-20	2021-03-31	Blockchain-based document registration for custom clearance	Hui Fang; Shengjiao Cao; Weitao Yang;	Alipay Labs (singapore) Pte. Ltd.;
2,116	11449932	2022-09-20	2021-08-06	Data auditing method and device	Pengfei Ying;	Advanced New Technologies Co., Ltd.;
2,117	11449938	2022-09-20	2020-12-23	Methods and systems for tracking unspent transaction output (UTXO) tokens in a distributed ledger technology-based network	Charles Gabriel Neale Dalton; Liam Julian DiGregorio;	Paypal, Inc.;
2,118	11449951	2022-09-20	2021-05-18	Intelligent secure automation of claim preemptive subrogation	Ira L Allen; Michael Jack Martine; Stan Kevin Daley; Mark Carter; Sarah Diane Green;	International Business Machines Corporation;
2,119	11451382	2022-09-20	2019-05-13	Method and system for communicating a secret	Craig Steven Wright;	Nchain Holdings Limited;
2,120	11451393	2022-09-20	2020-01-29	System and method for distributed general-purpose computing with cryptotoken payment system	Kenneth Hurley;	

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2,121	11451398	2022-09-20	2018-05-03	Management of interoperating machine learning algorithms	Robert Ghanea-Hercock;	British Telecommunications Public Limited Company;
2,122	11451400	2022-09-20	2021-01-28	Blockchain transaction method and apparatus	Jiyuan Wang;	Advanced New Technologies Co., Ltd.;
2,123	11451404	2022-09-20	2021-06-28	Blockchain integrated stations and automatic node adding methods and apparatuses	Changzheng Wei; Ying Yan; Hui Zhang;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,124	11451530	2022-09-20	2021-01-25	Systems, methods, and apparatuses for implementing super community and community sidechains with consent management for distributed ledger technologies in a cloud based computing environment	Prithvi Krishnan Padmanabhan; Sriram Gopalan; Venkata Sarath Maddali; Darpan Dhamija; Jyoti Raj;	Salesforce.com, Inc.;
2,125	11451588	2022-09-20	2020-06-24	Exchanging and acting on security events at an enterprise using permissioned blockchain	Rohit Pradeep Shetty; Pon Venkatesh M; Sheetal Deenadayalan; Pushkal Maheshwari; Erich Peter Stuntebeck;	Vmware, Inc.;
2,126	11451964	2022-09-20	2018-04-25	Administration of subscription identifiers in a wireless communication network	Ioannis Fikouras; Athanasios Karapantelakis; Qiang Li; Leonid Mokrushin; Konstantinos Vandikas;	Telefonaktiebolaget Lm Ericsson (publ);
2,127	11442912	2022-09-13	2021-02-03	Blockchain-based information processing method and apparatus and computer-readable storage medium	Maocai Li; Zongyou Wang; Hu Lan;	Tencent Technology (shenzhen) Company Limited;
2,128	11442918	2022-09-13	2021-03-31	Systems and methods for analyzing vehicle sensor data via a blockchain	William J Leise; Jacob J Alt; Jaime Skaggs; Eric Bellas; Shawn M Call; Eric R Moore; Melinda Teresa Magerkurth; Vicki King;	State Farm Mutual Automobile Insurance Company;
2,129	11442926	2022-09-13	2019-09-03	Method and system for storing driving record data based on block chain	Youngjun Jo;	Nhn Corporation;
2,130	11443025	2022-09-13	2020-03-31	Single sign-on solution using blockchain	Balaji Balaraman; Andras L Ferenczi; Dallas L Gale; Nilesh Yashavant Jadhav; Harish R Naik;	American Express Travel Related Services Company, Inc.;
2,131	11443042	2022-09-13	2019-01-01	Blockchain-based software version data management system and establishing method thereof	Jinsong Wang; Hongwei Zhang; Zening Zhao; Sheng Lin;	Tianjin University of Technology;
2,132	11443063	2022-09-13	2020-10-01	Systems and methods for verifying agent sales data via blockchain	Melinda Teresa Magerkurth; Eric Bellas; Jaime Skaggs; Shawn M Call; Eric R Moore; Vicki King; Burton J Floyd; David Turrentine; Steven T Olson; Timothy Caleb Wells; Corin Rebekah Chapman; Edward W Breitweiser; Robert Gomez; Shelia Cummings Smith;	State Farm Mutual Automobile Insurance Company;
2,133	11443221	2022-09-13	2019-07-26	Distributed incorruptible accordant management of nonlocal data fusion, unified scheduling and engage-ability	Mauro Joseph Sanchirico; Ryan Ceresani;	Lockheed Martin Corporation;
2,134	11443278	2022-09-13	2021-07-01	Method, apparatus, and device for generating and updating blockchain warehouse receipt	Wenhui Liu; Yujun Peng; Erfeng Yan;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,135	11443302	2022-09-13	2020-10-07	Syncing blockchain nodes with snapshots	Eric Scrivner; Matthew Werner; Robert John Kearney;	Coinbase, Inc.;
2,136	11443303	2022-09-13	2020-01-14	Method for routing to mesh network content utilizing blockchain technology	Austin Grant Walters; Jeremy Edward Goodsitt; Fardin Abdi Taghi Abad;	Capital One Services, LLC;
2,137	11443307	2022-09-13	2021-06-25	Cross-border resource transfer authenticity verification method, device and electronic equipment	Lingao Sun; Ying Peng;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,138	11443310	2022-09-13	2017-12-19	Encryption based shared architecture for content classification	Raja Ashok Bolla;	Paypal, Inc.;
2,139	11443317	2022-09-13	2019-08-19	Tracing flow of tagged funds on a blockchain	Keagan McClelland; Matthew Hill; Aiden McClelland;	Salt Blockchain Inc.;
2,140	11443326	2022-09-13	2019-06-05	Geo-location compliance	Dulce B Ponceleon; Nitin Gaur;	International Business Machines Corporation;

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2,141	11443368	2022-09-13	2020-02-11	Resource transfer and capital transfer method and apparatus	Husen Wang;	Advanced New Technologies Co., Ltd.;
2,142	11443379	2022-09-13	2022-04-22	Blockchain instrument for transferable equity	Thomas Marshall Gordon, III; Gregory Frederick Bush;	Equity Shift, Inc.;
2,143	11443380	2022-09-13	2020-02-20	System and method of providing and recording personalized context-specific advice in the form of an artificial intelligence view of a hierarchical portfolio	Mark Cummings;	
2,144	11443393	2022-09-13	2020-12-14	Blockchain-based referral tracking system (BRTS)	Wang-Chan Wong; Howard Lee;	Lucas Gc Limited;
2,145	11443394	2022-09-13	2019-03-22	Blockchain based building action management	Craig M Trim; Ahmed Nassar; Victor Povar; Sarbajit K Rakshit; Shawn D Hennessy;	International Business Machines Corporation;
2,146	11443838	2022-09-13	2022-02-23	Non-fungible token systems and methods for storing and accessing healthcare data	Michael J Cordonnier; Shariq Hussain; Niall Patrick Casey;	Carlsmed, Inc.;
2,147	11443855	2022-09-13	2019-08-21	Secure dispersed network for improved communications between healthcare industry participants	Christ Pavlatos; Anirban Majumdar;	Patientmd, Inc.;
2,148	11444749	2022-09-13	2020-09-30	Separating hashing from proof-of-work in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
2,149	11444772	2022-09-13	2020-08-11	Fuzzy dataset processing and biometric identity technology leveraging blockchain ledger technology	Andrew J Polcha; Michael P Polcha;	
2,150	11444776	2022-09-13	2020-04-14	Blockchain with daisy chained records, document corral, quarantine, message timestamping, and self-addressing	Kelce S Wilson;	
2,151	11444777	2022-09-13	2020-06-09	Method and system for providing validated, auditable, and immutable inputs to a smart contract	Steven Charles Davis;	Mastercard International Incorporated;
2,152	11444783	2022-09-13	2021-06-29	Methods and apparatuses for processing transactions based on blockchain integrated station	Jiang Wang; Fuxi Deng; Chao Zeng; Zongru Zhan; Xiaoli Liu; Zheng Cao;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,153	11444787	2022-09-13	2020-07-09	Method and system for efficient distribution of configuration data utilizing permissioned blockchain technology	Simon R Dix; Steven C Davis;	Mastercard International Incorporated;
2,154	11445016	2022-09-13	2021-06-30	Methods and apparatuses for transmitting messages	Chao Zeng; Jiang Wang; He Sun; Fuxi Deng;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,155	11443311	2022-09-13	2020-01-06	Method and system for blockchain transaction confirmation for small merchants	Chandan Garg; Awinash Pandey; Saugandh Datta; Sandeep Parvathareddy;	Mastercard International Incorporated;
2,156	11436032	2022-09-06	2019-09-10	Blockchain-based container image registry	Dylan Murray;	Red Hat, Inc.;
2,157	11436198	2022-09-06	2020-04-16	Method and device for restoring blockchain network with its credibility on backup data maintained by using delayed synchronization	Gye Han Song; I Goo Lee;	Metabora Co., Ltd.;
2,158	11436252	2022-09-06	2021-06-30	Data processing methods, apparatuses, and devices	Zhe Han;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,159	11436368	2022-09-06	2020-04-01	Personal data management system	Tal Beno; Yuly Basovich; Andrew Xia;	Accenture Global Solutions Limited;
2,160	11436593	2022-09-06	2017-03-30	Transaction processing device, transaction processing method, and program for same	Yuzo Kano; Takafumi Komiyama;	Bitflyer Blockchain, Inc.;

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2,161	11436595	2022-09-06	2017-10-11	Method for issuing, using, refunding, settling and revoking electronic voucher using updated status of balance database by respective blocks in blockchain, and server using the same	Joo Han Song; Jay Wu Hong; Joon Sun Uhr;	Coinplug, Inc.;
2,162	11436598	2022-09-06	2017-12-15	Social data tracking datastructures, apparatuses, methods and systems	Christopher Parsons; Michael Thibodeau; Randal J August; Kersing Huang; Vladimir Tsitrin; Matthew Ryan George;	Fmr Corp.;
2,163	11436599	2022-09-06	2021-06-30	Blockchain-based identity verification method and related hardware	Yawen Wei; Peng Qiu; Yin Dong; Yang Liu; Xiaobo Zhang; Pei Xu; Zhiwei Wang;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,164	11436604	2022-09-06	2019-11-21	Method, apparatus and storage medium for processing ethereum-based falsified transaction	Siyuan Pan; Haodong Chen; Hongbin Mao; Yuxiao Song; Hang Zhou; Hui Wang;	Beijing Baidu Netcom Science and Technology Co., Ltd.;
2,165	11436614	2022-09-06	2020-07-13	Server device and traceability method	Manabu Hasegawa; Naoki Furuya; Tadayoshi Kosaka; Yusuke Jin;	Hitachi, Ltd.;
2,166	11436615	2022-09-06	2020-08-28	System and method for blockchain transaction risk management using machine learning	Chunsheng Victor Fang; Wei Quan; Ben Binyi Wu;	Anchain.ai Inc.;
2,167	11436679	2022-09-06	2022-04-13	Blockchain instrument for transferable equity	Thomas Marshall Gordon, III; Joseph W Forbes, Jr; Gregory Frederick Bush;	Equity Shift, Inc.;
2,168	11436692	2022-09-06	2020-07-13	Systems and methods for monetizing data in decentralized model building for machine learning using a blockchain	Sathyanarayanan Manamohan; Vishesh Garg; Krishnaprasad Lingadahalli Shastry;	Hewlett Packard Enterprise Development LP;
2,169	11436930	2022-09-06	2020-09-02	Recording data associated with an unmanned aerial vehicle	Syed Mohammad Ali; Lowell L Duke; Zehra Akbar; Syed Mohammad Amir Husain;	Skygrid, LLC;
2,170	11438140	2022-09-06	2020-10-26	System and method for digital asset transfer	Rubing Shi; Wenlong Yang;	Advanced New Technologies Co., Ltd.;
2,171	11438141	2022-09-06	2020-12-10	Method and system for managing consent and utilization of information using blockchain	Jinhong Yang;	Piamond Corp.;
2,172	11438142	2022-09-06	2019-08-19	System and method for mining digital currency in a blockchain network	David A Carlson;	Marvell Asia Pte., Ltd.;
2,173	11438143	2022-09-06	2019-12-19	Method and system for optimization of blockchain data storage	Robert Collins; Rob Byrne;	Mastercard International Incorporated;
2,174	11438160	2022-09-06	2019-08-28	Private issuance of assets and applications thereof	Aurélien Renaud François Nicolas; Ron Kahat; Yakov Gurkan;	Qed-it Systems Ltd.;
2,175	11438165	2022-09-06	2021-01-20	Method and apparatus for processing transaction requests	Ning Li;	Advanced New Technologies Co., Ltd.;
2,176	11438173	2022-09-06	2020-06-29	Methods and apparatus for providing blockchain participant identity binding	Timothy Edward Moses;	Entrust Corporation;
2,177	11438174	2022-09-06	2022-01-31	Cryptoasset custodial system with different cryptographic keys controlling access to separate groups of private keys	Diogo Monica; Nathan P McCauley; Riyaz D Faizullabhoy; Boaz Avital;	Anchor Labs, Inc.;
2,178	11438175	2022-09-06	2021-12-27	Systems and methods for correlating cryptographic addresses between blockchain networks	Jacob Tarnow;	Ciphertrace, Inc.;
2,179	11438332	2022-09-06	2019-09-04	Distributed vehicle network access authorization	Ali Hassani; Clifford Anthony Bailey; Robert D Bedard; Willie Ham; Michael Kruntovski; Lauren Peng;	Ford Global Technologies, LLC;
2,180	11436039	2022-09-06	2019-09-04	Systemic extensible blockchain object model comprising a first-class object model and a distributed ledger technology	David Alan Beberman;	Prasaga Foundation;

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2,181	11438139	2022-09-06	2019-02-07	Blockchain based secure naming and update verification	Raouf Boutaba; Woojung Kim; Yuhao Dong;	
2,182	11438327	2022-09-06	2022-01-14	Systemized blockchain reconciliation in a hybrid distributed network ecosystem	Daniel Cage; Padmakar Kankipati; Norman R Silverman;	Speedchain, Inc.;
2,183	11429565	2022-08-30	2018-05-24	Terms of service platform using blockchain	David W Kaguma; Clifford A Pickover; Maja Vukovic; Komminist Weldemariam;	International Business Machines Corporation;
2,184	11429592	2022-08-30	2018-04-13	Systems and methods for recording data representing multiple interactions	Ajith Thekadath; Suman Mukherjee; Mondo Jacobs; David Henstock;	Visa International Service Association;
2,185	11429617	2022-08-30	2020-12-21	System and method for blockchain-based data synchronization	Shanlu Sun; Shubo Li;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,186	11429738	2022-08-30	2019-05-29	Blockchain endorsement with approximate hash verification	Praveen Jayachandran;	International Business Machines Corporation;
2,187	11429921	2022-08-30	2016-12-19	Tracking shipments with a local and remote blockchain	Su Liu; John D Wilson; Yin Xia;	International Business Machines Corporation;
2,188	11429956	2022-08-30	2018-12-12	Computer-implemented systems and methods for authorising blockchain transactions with low-entropy passwords	Silvia Bartolucci; John Fletcher;	Nchain Holdings Limited;
2,189	11429958	2022-08-30	2021-07-27	System, method and apparatus for resource access control	Oliver Michaelis; Mike Ball; Charles Andrew Hugh Baker; Peter Alexander Carides;	Beyond Aerospace Ltd.;
2,190	11429960	2022-08-30	2019-06-25	Network configuration management for networked client devices using a distributed ledger service	Jay Fallah; Kristopher Byrne; Kevin John Oerton; Josef Zankowicz; Scott Rankine;	Nxm Labs, Inc.;
2,191	11429962	2022-08-30	2021-07-01	Recovering encrypted transaction information in blockchain confidential transactions	Zheng Liu; Lichun Li; Shan Yin;	Advanced New Technologies Co., Ltd.;
2,192	11429968	2022-08-30	2017-12-12	Providing network access using blockchain payments	Apostolis Salkintzis;	Lenovo (singapore) Pte. Ltd.;
2,193	11429969	2022-08-30	2020-06-08	Blockchain based account funding and distribution	Jacob J Alt; Eric Bellas; Jaime Skaggs; Shawn M Call; Melinda Teresa Magerkurth; Vicki King; Charles H Roscow; Scott Shoop; Greg Hayes; Robert Alpine Jennings; Amber Nelson-Wolfe; Shyam Tummala;	State Farm Mutual Automobile Insurance Company;
2,194	11429983	2022-08-30	2021-06-28	Blockchain-based bill write-off method, apparatus, electronic device, and storage medium	Xueqing Yang; Longsheng Qing; Zhen Sun; Ge Jin; Zhenzhong Meng; Yu Chu;	Advanced New Technologies Co., Ltd.;
2,195	11430180	2022-08-30	2020-02-10	Systems and methods for controlling a fleet of drones for data collection	Matthew L Floyd;	State Farm Mutual Automobile Insurance Company;
2,196	11430420	2022-08-30	2020-04-29	System for ledger and parametric marketplace for algorithmic content creations	Eric Zavesky; James Pratt; Jason Decuir; Robert Gratz;	At&t Intellectual Property I, L.p.;
2,197	11431171	2022-08-30	2018-10-25	Blockchain distribution energy management with optimized balancing	Killian Ross Tobin;	Omega Grid, LLC;
2,198	11431473	2022-08-30	2019-09-20	Method and system for distribution of a consistent ledger across multiple blockchains	Steven C Davis; Rakesh Yadav;	Mastercard International Incorporated;
2,199	11431477	2022-08-30	2019-05-08	Computer-implemented systems and methods for using a blockchain to perform an atomic swap	Craig Steven Wright;	Nchain Holdings Limited;
2,200	11431484	2022-08-30	2020-01-02	Blockchain transaction privacy enhancement through broadcast encryption	Andres Garagiola; John B Geagan, III; Jeronimo Irazabal; Guillermo R Lopez; Diego A Masini; Dulce Ponceleon;	International Business Machines Corporation;

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2,201	11431486	2022-08-30	2019-10-29	System or method to implement consensus on read on distributed ledger/blockchain	Prithvi Krishnan Padmanabhan;	Salesforce.com, Inc.;
2,202	11431508	2022-08-30	2022-04-25	Distributed ledger-based ad-hoc system, apparatus and method	Oliver Michaelis; Mike Ball; Charles Andrew Hugh Baker; Peter Alexander Carides;	Beyond Aerospace Ltd.;
2,203	11431520	2022-08-30	2019-10-28	Systems and methods of enabling blockchain-based building automation systems	Kevin Serwatowski;	
2,204	11431671	2022-08-30	2017-12-29	Method and apparatus for dynamic discovery of a blockchain component in a cloud computing system	James Kempf; Anshu Shukla; Nanjangud Chandrasekhara Swamy Narendra; Sambit Nayak;	Telefonaktiebolaget Lm Ericsson (publ);
2,205	11431693	2022-08-30	2020-01-30	Systems, methods, and apparatuses for seeding community sidechains with consent written onto a blockchain interfaced with a cloud based computing environment	Prithvi Krishnan Padmanabhan;	Salesforce.com, Inc.;
2,206	11431696	2022-08-30	2020-06-30	Systems, methods, and apparatuses for implementing super community and community sidechains with consent management for distributed ledger technologies in a cloud based computing environment	Prithvi Krishnan Padmanabhan; Sriram Gopalan; Venkata Sarath Maddali; Darpan Dhamija; Jyoti Raj;	Salesforce.com, Inc.;
2,207	11432048	2022-08-30	2020-08-14	Method and apparatus for interactive television guides and program rules	Viva Chu;	
2,208	11429475	2022-08-30	2020-08-12	Systems and methods for blockchain repair assurance tokens	Phillip H Griffin; Jeffrey J Stapleton;	Wells Fargo Bank, N.a.;
2,209	11420127	2022-08-23	2018-04-13	Device and method for recording game result by conducting game among plurality of users, and computer program	Tae Hyun Lim;	Nexon Korea Corporation;
2,210	11422981	2022-08-23	2019-04-09	Information management and access control in a database	Elli Androulaki; Angelo De Caro; Gregory Neven; Alessandro Sorniotti;	International Business Machines Corporation;
2,211	11423006	2022-08-23	2021-02-24	Blockchain-based analysis of locally configured data	Jan Schrage;	Sap Se;
2,212	11423174	2022-08-23	2020-10-01	Unified control and validation of privacy-impacting devices	Kevin L Miller;	
2,213	11423351	2022-08-23	2016-12-15	Blockchain-based food product shelf-life management	Changrui Ren; Bing Shao; Ning Sun; Bo Zhang;	International Business Machines Corporation;
2,214	11423367	2022-08-23	2018-05-02	Method and system for securing transactions by check using blockchain technology	Ankur Arora; Avinash Kumar; Rakesh Patel;	Mastercard Internatioanl Incorporated;
2,215	11423398	2022-08-23	2018-05-29	Recommending conditions for blockchain-enforced contracts	Brian John Mullins; Kay Sueru Feker; Steffano Santiago Chavez; Michael Andrew Tomkins; Nicole Antonio Maulino; Ryan Yi-Lin Tai;	Block, Inc.;
2,216	11423450	2022-08-23	2021-05-24	Systems and methods for using smart contracts to control the trade, supply, manufacture, and distribution of commodities	Joseph D Preston; Dan Alan Preston; Trinitie Marie Vance; Brett C Simpson; Peter Albert Madakson; William R Rieger;	Clarovia Holdings, LLC;
2,217	11423473	2022-08-23	2020-02-10	Blockchain-based leasing	Xin Ye; Yanan Zhang; Zhonghao Lu; Hui Zhang; Wenjie Wang;	Advanced New Technologies Co., Ltd.;
2,218	11423474	2022-08-23	2018-02-14	Securing capital offers using blockchain transaction reconstruction	Daniel Ribeiro;	Block, Inc.;
2,219	11423712	2022-08-23	2019-08-15	Blockchain based hardware appliance authentication	Sterling Pratz; Orang Ryan Tabibian; Mark McCabe;	Car Iq Inc.;
2,220	11424643	2022-08-23	2019-02-22	Building management system with energy optimization using blockchain	Akib Islam; Amandeep Singh Johar; Ankur Thareja; Sachin Yashwant Pate;	Johnson Controls Tyco IP Holdings Llp;

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2,221	11424908	2022-08-23	2018-07-26	Systems and methods for communication, storage and processing of data provided by an entity over a blockchain network	Silvia Bartolucci; Pauline Bernat; Daniel Joseph;	Nchain Licensing Ag;
2,222	11424910	2022-08-23	2018-07-31	Enterprise storage of customer transaction data using a blockchain	Amihai Savir; Anat Parush Tzur; Or Herman Saffar; Avitan Gefen; Alon Shitrit;	Emc IP Holding Company LLC;
2,223	11424911	2022-08-23	2020-03-03	Storage and communication environment for cryptographic tags	Chandrasekhar Narayanaswami; Daniel Joseph Friedman; Nigel Hinds; Abhilash Narendra; Arun Paidimarri; James Thomas Rayfield; Roman Vaculin; Zhiyuan Li;	International Business Machines Corporation;
2,224	11424912	2022-08-23	2020-04-16	Method and device for providing blockchain network capable of optimizing storages of respective nodes included therein	Gye Han Song; I Goo Lee;	Metabora Co., Ltd.;
2,225	11424913	2022-08-23	2018-06-20	Key exchange system and key exchange method	Hiroki Watanabe; Tsunekazu Saito; Koutarou Suzuki; Shigenori Ohashi; Shigeru Fujimura; Atsushi Nakadaira;	Nippon Telegraph and Telephone Corporation;
2,226	11424916	2022-08-23	2019-07-19	Selectively private distributed computation for blockchain	Arnab Roy; Hart Montgomery;	Fujitsu Corporation;
2,227	11424935	2022-08-23	2020-09-14	Tampering detection system and method for detecting tampering	Kotaro Endo;	Kabushiki Kaisha Toshiba; Toshiba Digital Solutions Corporation;
2,228	11424938	2022-08-23	2019-09-06	Credentialed miners for a blockchain	Patrick Meehan;	Fall Guy LLC;
2,229	11424942	2022-08-23	2021-06-28	Blockchain integrated stations and automatic node adding methods and apparatuses	Changzheng Wei; Ying Yan; Hui Zhang;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,230	11425108	2022-08-23	2021-08-18	Blockchain-based service data encryption methods and apparatuses	Shubo Li; Yixiang Zhang;	Advanced New Technologies Co., Ltd.;
2,231	11425112	2022-08-23	2021-02-02	Systems and methods for blockchain validation and data record access employing a blockchain configured banking core and blockchain configured federation proxies	Vladimir Lounegov;	Finlink, Inc.;
2,232	11425165	2022-08-23	2019-06-04	Methods, systems, articles of manufacture and apparatus to reduce spoofing vulnerabilities	Yi Zheng; Ameya Sanzgiri;	Mcafee, Inc.;
2,233	11425244	2022-08-23	2021-09-26	Systems and methods for blockchain wireless services in a controlled environment	Michael Francis Byrne; Brian Francis Byrne;	
2,234	11423016	2022-08-23	2020-06-25	Method for scaling computation in blockchain by delaying transaction execution	Umesh Bellur; Nitin Awathare; Sourav Das; Vinay Joseph Ribeiro;	Indian Institute of Technology Bombay;
2,235	11416226	2022-08-16	2018-07-05	System and method for compiling high-level language code into a script executable on a blockchain platform	Craig Steven Wright; Stephane Savanah;	Nchain Licensing Ag;
2,236	11416249	2022-08-16	2019-03-15	Computer-implemented systems and methods for serialisation of arithmetic circuits	Alexandra Covaci; Patrick Motylinski; Simone Madeo; Stephane Vincent; Craig Steven Wright;	Nchain Licensing Ag;
2,237	11416272	2022-08-16	2021-06-29	Methods, blockchain nodes, systems and storage media for executing smart contract	Qi Liu; Xuepeng Guo;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,238	11416418	2022-08-16	2021-03-31	Managing user authorizations for blockchain-based custom clearance services	Qian Sun; Hui Fang; Wenbin Zhang; Danqing Hu; Shengjiao Cao; Ke Liu; Yuan Yuan; Weitao Yang;	Alipay Labs (singapore) Pte. Ltd.;
2,239	11416449	2022-08-16	2020-07-23	Method of synchronous deletion for distributed storage system	Lo-Yao Yeh; Peggy Joy Lu; Chia-Hsien Hung;	National Applied Research Laboratories;
2,240	11416474	2022-08-16	2020-04-05	Blockchain-based software library access and usage management	Dulce B Ponceleon; Abhishek Malvankar; Shikhar Kwatra; Jeronimo Irazabal;	International Business Machines Corporation;

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2,241	11416475	2022-08-16	2018-10-19	Block quantity reduction in distributed ledgers	Matthew Keith Albright; Shriram Venkatesh Shet Revankar;	Adobe, Inc.;
2,242	11416510	2022-08-16	2019-04-10	Systems and methods for applying lifecycle processes to digital data objects utilizing distributed ledger technology and artificial intelligence	Matthew M Farver; David R Jarczyk; Steve Rainey; Brad Brown;	Kpmg Llp;
2,243	11416515	2022-08-16	2019-07-16	Track and trace vaporizers and cartridges	Mark Krietzman;	
2,244	11416548	2022-08-16	2019-05-02	Index management for a database	Ashish Kundu; Mukesh K Mohania; Hoang Tam Vo; Zehra N Sura;	International Business Machines Corporation;
2,245	11416602	2022-08-16	2020-06-02	Methods and systems for identity creation, verification and management	David Costa Faidella; Robert Joseph Schukai; Scott Ryan Manuel; Marco Pierleoni; Jason A Thomas;	Refinitiv US Organization LLC;
2,246	11416767	2022-08-16	2019-01-09	Generative adversarial network model training using distributed ledger	Kevin Gidney;	Docusign International (emea) Limited;
2,247	11416819	2022-08-16	2020-05-26	Connecting contact center resources using DLT for IOT solutions	Jibin George; Salil Dhawan; Sandeep Goynar; Harsimran Jeet Singh; John Young;	Avaya Management L.p.;
2,248	11416832	2022-08-16	2018-07-07	Systems and methods for blockchain-dependent operation sets	Lorien Benjamin Gamaroff; Angus James Farquharson Campbell Brown;	Nchain Holdings Limited;
2,249	11416854	2022-08-16	2018-12-29	System and method for information protection	Wenbin Zhang; Lichun Li; Baoli Ma;	Advanced New Technologies Co., Ltd.;
2,250	11416864	2022-08-16	2018-09-11	System, method, and computer program product for fraud management with a shared hash map	Gaurav Srikant Mokhasi;	Visa International Service Association;
2,251	11416920	2022-08-16	2018-11-13	Analytics engine for multiple blockchain nodes	Carlos Gaston Besanson Tuma; Robert Gimeno Feu; Jaime Rodriguez Lagunas;	Accenture Global Solutions Limited;
2,252	11416930	2022-08-16	2017-12-28	Method for providing united point service in use of unspent transaction output based protocol and server using the same	Joon Sun Uhr; Jay Wu Hong; Joo Han Song;	Coinplug, Inc.;
2,253	11416933	2022-08-16	2020-01-07	Event management and validation platform using a recursive hierarchic blockchain	Maharaj Mukherjee;	Bank of America Corporation;
2,254	11416934	2022-08-16	2020-02-05	System and method for securities finance smart contracts on blockchains and distributed ledgers	Edmon Blount;	
2,255	11416942	2022-08-16	2018-04-18	Using a distributed ledger to determine fault in subrogation	William J Leise; Douglas A Graff; Anthony McCoy; Jaime Skaggs; Shawn M Call; Stacie A McCullough; Wendy H Clayton; Melinda Teresa Magerkurth; Kim E Flesher; Travis Charles Runge;	State Farm Mutual Automobile Insurance Company;
2,256	11416944	2022-08-16	2019-07-02	Blockchain-based systems and methods for self-managed peer group insurance	Matthew Lewis Floyd;	State Farm Mutual Automobile Insurance Company;
2,257	11417433	2022-08-16	2018-06-13	Architecture for secure IoT interactions	Ajit Vilasrao Patil; Balkrishna Pangam; Yew Kuann Cheng;	Visa International Service Association;
2,258	11418320	2022-08-16	2020-09-09	Blockchain-based data processing methods, devices, and media	Wei Xiao;	Baidu Online Network Technology (beijing) Co., Ltd.;
2,259	11418323	2022-08-16	2020-10-30	Method and system for securing peer nodes in a blockchain network	Habeeb Basha Syed; Rajan Mindigal Alasingara Bhattachar; Meena Singh Dilip Thakur;	Tata Consultancy Services Limited;
2,260	11418338	2022-08-16	2019-01-22	Cryptoasset custodial system using power down of hardware to protect cryptographic keys	Diogo Monica; Nathan P McCauley; Riyaz D Faizullabhoy;	Anchor Labs, Inc.;

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2,261	11418341	2022-08-16	2020-05-15	Distributed consent protecting data across systems and services	Jordan Simons;	Americorp Investments LLC;
2,262	11418342	2022-08-16	2020-01-02	System and methods for data exchange using a distributed ledger	Tak Wing Lam; Kai Wah Yeung; Tak Fuk Wong;	Hong Kong Applied Science and Technology Research Institute Company, Limited;
2,263	11418412	2022-08-16	2019-08-06	Operational constraints for operational functions of field devices	Markus Sauer; Florian Zeiger;	Siemens Aktiengesellschaft;
2,264	11418510	2022-08-16	2020-01-30	Systems, methods, and apparatuses for implementing a role based access control and authorization validator via blockchain smart contract execution using distributed ledger technology (DLT)	Brian Lai; Mohan Pindyala; Raviprakash Ramanujam; Peizan Wang;	Salesforce.com, Inc.;
2,265	11418511	2022-08-16	2021-03-31	User management of blockchain-based custom clearance service platform	Hui Fang; Shengjiao Cao; Weitao Yang;	Alipay Labs (singapore) Pte. Ltd.;
2,266	11418517	2022-08-16	2019-08-09	Creation of a blockchain for maintenance records	Devu Manikantan Shila; Adriaan Larmuseau;	Otis Elevator Company;
2,267	11418587	2022-08-16	2020-04-30	5G on-demand dynamically instantiated blockchain for highly distributed peer-to-peer consumer cloud	Venson Shaw; Sunil Lingayat;	T-mobile Usa, Inc.;
2,268	11418590	2022-08-16	2018-06-19	Fast propagation of recent transactions over a blockchain network	Giuseppe Destefanis; Patrick Motylinski; Stephane Vincent; Craig Steven Wright;	Nchain Licensing Ag;
2,269	11409730	2022-08-09	2019-05-21	Blockchain-based transaction platform with enhanced scalability, testability and usability	Ian Yuan Yuan Huang;	Eternal Paradise Limited;
2,270	11409734	2022-08-09	2019-10-29	Blockchain system and operation method thereof	Jong Choul Yim; Sun Me Kim;	Electronics and Telecommunications Research Institute;
2,271	11409795	2022-08-09	2018-09-06	Atomically executed application program interfaces	Bei Chun Zhou; Adrian Kyte; Joe Winchester; Jenny J He; Guan Jun Liu;	International Business Machines Corporation;
2,272	11409850	2022-08-09	2021-06-21	Identifying copyrighted material using embedded copyright information	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
2,273	11409875	2022-08-09	2019-06-14	Trust in block-chain implementations using compute resource configuration and verification systems and methods	Prasanna Mulgaonkar; Seshashayee Murthy;	Cloud Raxak, Inc.;
2,274	11409901	2022-08-09	2018-12-06	Data security in a peer-to-peer network	Saranyaa T;	Sap Se;
2,275	11409990	2022-08-09	2019-03-01	Machine learning archive mechanism using immutable storage	Warren Gleich; Richard A Baker, Jr;	Bottomline Technologies (de) Inc.;
2,276	11410105	2022-08-09	2020-07-02	Blockchain based supply chain network systems	Jagjeet Gill; Gavin Nicol;	Vertru Technologies Inc.;
2,277	11410136	2022-08-09	2018-08-01	Procurement system using blockchain	Jane E Cook; Andras L Ferenczi; Nat Grauman; Nilesh Y Jadhav; Harish R Naik; Rosa W Tang;	American Express Travel Related Services Company, Inc.;
2,278	11410163	2022-08-09	2020-05-15	Distributed smart wallet communications platform	Dan Kikinis; Ari Birger; Haim Dror; Aleksandr Vorobets;	Liquineq Ag;
2,279	11410168	2022-08-09	2019-04-03	Method for user management for blockchain-based operations	Max Lyadvinsky; Alexey Raevsky; Anton Petrushkin;	Acronis International Gmbh;
2,280	11410171	2022-08-09	2021-06-15	Blockchain consensus method and device and electronic equipment	Kang Li; Fuxi Deng; Xiaojun Liao;	Alipay (hangzhou) Information Technology Co., Ltd.;

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2,281	11410174	2022-08-09	2018-08-07	Custom blockchain for IoT devices	Vinod A Valecha; Krzysztof Rudek; Markus Blohberger;	International Business Machines Corporation;
2,282	11410207	2022-08-09	2019-05-17	Blockchain-based resource value evaluation methods and apparatus	Xinying Yang;	Advanced New Technologies Co., Ltd.;
2,283	11410233	2022-08-09	2017-03-23	Blockchain technology to settle transactions	John Everett Creighton, IV; Joseph Burke Forster;	Domus Tower, Inc.;
2,284	11410241	2022-08-09	2018-10-25	Asset management devices and methods	Eleanor Mitch; Dharmesh Patel; Christopher V Beckman;	Safeflights Inc.;
2,285	11411716	2022-08-09	2019-09-18	Alignment of blockchains to a generic blockchain	Ganesh Krishnan; Dharmesh Dadbhawala; Ashish Baluja; Bhaumik Dedhia;	Boardwalktech, Inc;
2,286	11411730	2022-08-09	2021-07-02	Cryptoasset custodial system with different rules governing access to logically separated cryptoassets and proof-of-stake blockchain support	Diogo Monica; Nathan P McCauley; Boaz Avital; Riyaz D Faizullabhoy;	Anchor Labs, Inc.;
2,287	11411739	2022-08-09	2019-02-07	Smart device to impose trust at the edge of a blockchain	Frank R Libsch; Seiji Munetoh; Abhilash Narendra; Ghavam G Shahidi;	International Business Machines Corporation;
2,288	11411740	2022-08-09	2018-05-14	Duplicating smart contracts with termination condition	Ying Chan; Dean Kramer; Craig Steven Wright;	Nchain Licensing Ag;
2,289	11411745	2022-08-09	2020-02-26	System, method, and computer program product for detecting malicious changelog modifications with blockchain	Rohit Sehgal;	Visa International Service Association;
2,290	11411921	2022-08-09	2018-11-23	Enabling access across private networks for a managed blockchain service	Jonathan Andrew Fritz; Gitesh Tyagi; Anthony A Virtuoso; Turkay Mert Hocanin; Nachimuthu Govindasamy; Ramkumar Kamalapuram Sugavanam;	Amazon Technologies, Inc.;
2,291	11411963	2022-08-09	2017-02-13	Network access sharing	Karina Palyutina; Troels Roennow; Enrique Martín López;	Nokia Technologies Oy;
2,292	11412047	2022-08-09	2020-10-16	Method and control system for controlling and/or monitoring devices	Thomas Jetzfellner;	Siemens Aktiengesellschaft;
2,293	11412096	2022-08-09	2021-01-12	Image forming apparatus capable of communicating with a blockchain service, control method, and storage medium	Hidetomo Sohma;	Canon Kabushiki Kaisha;
2,294	11412385	2022-08-09	2020-12-22	Methods for a secure mobile text message and object sharing application and system	Robert Bernardi;	Avila Security Corporation;
2,295	11402853	2022-08-02	2019-10-04	Method for controlling platooning and autonomous vehicle based on blockchain	Cheolseung Kim;	LG Electronics Inc.;
2,296	11403281	2022-08-02	2020-01-09	Parallel blockchain processing	Ian Yuan Yuan Huang;	Eternal Paradise Limited;
2,297	11403348	2022-08-02	2020-01-20	Conflict-free version control	Yedendra Shrinivasan; Krishna Chaitanya Ratakonda; Rak-Joon Choi;	International Business Machines Corporation;
2,298	11403402	2022-08-02	2020-04-08	System and method for recording device lifecycle transactions as versioned blocks in a blockchain network using a transaction connector and broker service	Srinivas Kumar; Atul Gupta; Ruslan Ulanov; Shreya Uchil;	Digicert, Inc.;
2,299	11403558	2022-08-02	2019-07-15	GxP artificial intelligence / machine learning (AI/ML) platform	Gary Shorter; Malcolm Postings; Kevin T Saylor;	Iqvia Inc.;
2,300	11403604	2022-08-02	2020-06-08	Blockchain-based set exchange method and apparatus for available resource quotas	Xinying Yang;	Advanced New Technologies Co., Ltd.;

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2,301	11403622	2022-08-02	2018-04-09	Secure re-use of private key for dynamic group of nodes	John Fletcher; Thomas Trevethan; Marco Bardoscia;	Nchain Licensing Ag;
2,302	11403627	2022-08-02	2020-01-21	System and method for conducting and securing transactions when blockchain connection is unreliable	Dan Kikinis; Haim Dror;	Liquineq Ag;
2,303	11403628	2022-08-02	2017-10-20	Authenticating and paying for services using blockchain	Abilash Soundararajan; Michael Reid Tennefoss;	Hewlett Packard Enterprise Development LP;
2,304	11403631	2022-08-02	2020-06-19	Heartbeats and consensus in verifiable outsourced ledgers	Srinath Setty; Ramarathnam Venkatesan; Soumya Basu;	Microsoft Technology Licensing, LLC;
2,305	11403632	2022-08-02	2021-06-25	Managing transactions in multiple blockchain networks	Hui Fang; Yuan Yuan; Shengjiao Cao; Weitao Yang;	Alipay Labs (singapore) Pte. Ltd.;
2,306	11403636	2022-08-02	2021-06-17	Blockchain-based transaction processing method and apparatus, and electronic device	Jiyuan Wang; Huabing Du; Xuebing Yan;	Advanced New Technologies Co., Ltd.;
2,307	11405183	2022-08-02	2020-01-29	Using cache objects to store events for adding corresponding objects in a blockchain	Prabhjot Singh; Shivam Nayan Patel;	Salesforce.com, Inc.;
2,308	11405184	2022-08-02	2020-08-12	Systems and methods for securely processing environmental exposure information	David Kosecoff;	L'oreal;
2,309	11405186	2022-08-02	2019-12-10	Using virtual blockchain protocols to implement a fair electronic exchange	Silvio Micali;	Algorand, Inc.;
2,310	11405216	2022-08-02	2020-05-07	System for authenticating verified personal credentials	Prateek Mishra; Frank Villavicencio; Merajuddin Mohammad;	Adp, Inc.;
2,311	11405219	2022-08-02	2021-08-09	Shared blockchain data storage	Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
2,312	11405364	2022-08-02	2021-03-04	Privacy-preserving endorsements in blockchain transactions	Alessandro Sorniotti; Elli Androulaki; Angelo De Caro; Yacov Manevich;	International Business Machines Corporation;
2,313	11405372	2022-08-02	2021-08-16	Retrieving access data for blockchain networks using highly available trusted execution environments	Yirong Yu;	Advanced New Technologies Co., Ltd.;
2,314	11405373	2022-08-02	2019-08-07	Blockchain-based secured multicast communications	Kevin McMurdie; Brian Polcyn; Ganesh P Gadhe;	Honeywell International Inc.;
2,315	11405395	2022-08-02	2017-07-21	Accessing an internet of things device using blockchain metadata	Stephane Vincent; Craig Steven Wright;	Nchain Licensing Ag;
2,316	11405402	2022-08-02	2018-12-19	System and method for implementing a computer network	Zackery Robison;	Blockchain It Solutions Pty Ltd;
2,317	11403278	2022-08-02	2020-12-04	Management of snapshot in blockchain	Hiroshi Horii; Kohichi Kamijoh; Kiyokuni Kawachiya; Shohei Ohsawa; Hironori Takeuchi;	International Business Machines Corporation;
2,318	11405181	2022-08-02	2019-07-12	Lightweight blockchain based on split-trust	Muthian Sivathanu; Nishanth Chandran; Divya Gupta; Apurv Mehra; Satyanarayana V Lokam; Sambhav Satija; Sudheesh Singanamalla;	Microsoft Technology Licensing, LLC;
2,319	11405196	2022-08-02	2018-06-18	Authenticate transactions of secured file in blockchain	Abhijit Keskar;	Innoplexus Ag;
2,320	11397536	2022-07-26	2020-01-10	Phytosanitary treatment blockchain	Dennis John Glennon;	

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2,321	11397725	2022-07-26	2021-06-14	Facilitating practical byzantine fault tolerance blockchain consensus and node synchronization	Dayi Yang;	Advanced New Technologies Co., Ltd.;
2,322	11397728	2022-07-26	2020-03-30	Distributed and blockchain-based ledgers for data cloud services	Saurabh Pandey; Joseph Rice; Siddharth Gupta;	Oracle Lnternational Corporation;
2,323	11397827	2022-07-26	2021-07-20	EVM-based transaction processing method, device, program and medium	Lei Zhang; Bingxin Fan; Qi Zheng; Wei Xiao;	Beijing Baidu Netcom Science and Technology Co., Ltd.;
2,324	11397929	2022-07-26	2019-09-12	System for executing, securing, and non-repudiation of pooled conditional smart contracts over distributed blockchain network	Prabakar Rangarajan; Awadhesh Pratap Singh;	Bank of America Corporation;
2,325	11397928	2022-07-26	2019-04-04	Method for issuing, redeeming, refunding, settling and revoking electronic voucher by using utxo-based protocol, and server employing same	Joo Han Song; Jay Wu Hong; Joon Sun Uhr;	Coinplug, Inc.;
2,326	11397943	2022-07-26	2018-06-19	System and method of multi-round token distribution using a blockchain network	Silvia Bartolucci; Daniel Joseph;	Nchain Holdings Limited;
2,327	11397944	2022-07-26	2017-05-11	Application framework using blockchain-based asset ownership	Richard Demarinis; Hedi Uustalu; Thomas Fay; Dominick Paniscotti; Triin Parvits; Rachana Rajkumar; Junning Tong;	Nasdaq, Inc.;
2,328	11397960	2022-07-26	2018-06-11	Direct marketing via chained interactions in a blockchain	Jin Zhang; June-Ray Lin; Ju Ling Liu; Nan Chen; Li Bo Zhang;	International Business Machines Corporation;
2,329	11397962	2022-07-26	2019-02-15	Loyalty point distributions using a decentralized loyalty ID	Calvin Chan; Christopher Cracchiolo; Andras Ferenczi; Andrew Martin Baal Thomas;	American Express Travel Related Services Company, Inc.;
2,330	11397963	2022-07-26	2020-03-20	Multi-axis blockchain clearance of offers	Michael Walsh; Venkata Radha Krishna Proddaturi; Joshua Arteaga; Ehsan Hoque;	Quotient Technology Inc.;
2,331	11398895	2022-07-26	2019-03-26	Information management in a decentralized database including a fast path service	Dinesh C Verma; Donna N Dillenberger; Martin Oberhofer; Namik Hrle;	International Business Machines Corporation;
2,332	11398896	2022-07-26	2019-12-20	Building device with blockchain based verification of building device files	Nidhi Sharma; Sreekesh Sreelal; Sumit K Jha; Pushpendra Singh Kharsan;	Johnson Controls Tyco IP Holdings Llp;
2,333	11398911	2022-07-26	2021-07-09	System for interacting objects as tokens on a blockchain using a class-based language	Brenton John Gunning;	Run Interactive, Inc.;
2,334	11398914	2022-07-26	2021-07-16	Blockchain-based data authorization method and apparatus	Changzheng Wei; Ying Yan; Hui Zhang; Yujun Peng;	Advanced New Technologies Co., Ltd.;
2,335	11398917	2022-07-26	2019-08-08	Method and system for identification verification	Kelley Cahill;	
2,336	11399031	2022-07-26	2020-01-28	Tracking or storing of equipment configuration data using immutable ledger functionality of blockchains	Kevin M McBride; Hunter Rudd; James E Sutherland; Steven M Casey;	Centurylink Intellectual Property LLC;
2,337	11399268	2022-07-26	2019-03-15	Telematics offloading using V2V and blockchain as trust mechanism	Hazem Ahmed; David M Goemer; Walter Accessor; Andrew L Wells; Ryan Wheeler; Anil R Nair; Senthilkumar Gopal Kalaimani; Neil Dutta; Michael C Edwards;	Toyota Motor North America, Inc.;
2,338	11399284	2022-07-26	2019-09-27	Systems and methods for providing and using proof of coverage in a decentralized wireless network	Amir Haleem; Andrew Thompson; Andrew Allen; Marc Nijdam; Rahul Garg; Jay Kickliter;	
2,339	11397919	2022-07-26	2017-11-01	Electronic agreement data management architecture with blockchain distributed ledger	Senthil Thiagrajan; Sudhir Vijendra; Stephen Todd;	Emc IP Holding Company LLC;
2,340	11392405	2022-07-19	2021-06-23	Method and apparatus for securely entering trusted execution environment in hyper- threading scenario	Xiaojian Liu; Shoumeng Yan; Zongmin Gu;	Alipay (hangzhou) Information Technology Co., Ltd.;

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2,341	11392579	2022-07-19	2020-09-10	Domain name registry database	Ulvi Kasimov; Suleyman Kasimov;	Ukci Holdings Limited;
2,342	11392611	2022-07-19	2019-04-08	Blockchain based IOT data management	Xinlin Wang; Jun Zhu; Zhi Hu Wang; Timothy J Hahn; Peng Ji;	International Business Machines Corporation;
2,343	11392612	2022-07-19	2019-07-10	Data processing method and device	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
2,344	11392613	2022-07-19	2019-11-01	Systems and methods for probabilistic blockchains	Raj Jain; Tara Thaer Salman;	Washington University;
2,345	11392638	2022-07-19	2021-08-11	Methods and devices for storing and managing audio data on blockchain	Hui Xu;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,346	11392702	2022-07-19	2019-03-17	Discovery and matching of internet of things (IoT) devices and services using a secure global registry	Balendran Mugundan; Affan Arshad Dar; Anush Prabhu Ramachandran; Raimundo Robledo Pontes Filho; Rajeev Mandayam Vokkarne;	Microsoft Technology Licensing, LLC;
2,347	11392886	2022-07-19	2018-09-18	Real-time detention avoidance system	Timothy Leonard; Vasanth Srinivasan; Joseph M DeBoth; Mark Botticelli;	Trimble Transportation Enterprise Solutions, Inc.;
2,348	11392941	2022-07-19	2019-11-20	System and method for securing a private key transaction within blockchain	Boris Hernan Polania Castro;	Honda Motor Co., Ltd.;
2,349	11392942	2022-07-19	2019-08-28	Method, apparatus and electronic device for blockchain transactions	Baoli Ma; Zheng Liu; Shan Yin; Wenbin Zhang; Lichun Li;	Advanced New Technologies Co., Ltd.;
2,350	11392947	2022-07-19	2018-02-26	Distributed ledger for device management	Bharat Prasad; Ruthie D Lyle; Minya Liang; Thomas Bret Buckingham;	United Services Automobile Association (usaa);
2,351	11392991	2022-07-19	2018-05-22	Media ledger for sharing consumer data	Kaigani Turner; Shriyamvar Bugga; Matia Wagabaza;	Sony Pictures Entertainment, Inc.; Sony Corporation;
2,352	11393024	2022-07-19	2020-01-29	System and method for semantic representation and execution of agreements on a distributed ledger	Narasimha Kodihalli;	
2,353	11393031	2022-07-19	2020-06-08	Blockchain-based method and apparatus for pre-exchanging available resource quotas	Xinying Yang;	Advanced New Technologies Co., Ltd.;
2,354	11393266	2022-07-19	2019-10-10	Blockchain configuration history for aircraft maintenance, modification, and activity tracking	Nicholas William Jones;	The Boeing Company;
2,355	11393568	2022-07-19	2017-12-27	Blockchain prescription management system	Christopher Scott Blackley; David Allen Smith; John Marley Gray; Rhetick Sengupta; Kevin C Young;	Prescryptive Health, Inc.;
2,356	11394527	2022-07-19	2019-02-12	Blockchain program and blockchain method	Takeshi Miyamae; Masahisa Tamura;	Fujitsu Corporation;
2,357	11394528	2022-07-19	2019-09-17	System and method for on-demand unsupervised data analytics on blockchain	Abhijit Keskar;	Innoplexus Ag;
2,358	11394538	2022-07-19	2019-11-05	System and method for verifying the no-later-than date-of-existence, data integrity, identity of the recorder, and timestamp of the recording for digital content	David Lee Anthony Ramirez; Alfonso Miguel Morales;	
2,359	11394544	2022-07-19	2019-01-07	Validation of blockchain activities based on proof of hardware	Jérôme Rastit;	Aitivity Inc.;
2,360	11394554	2022-07-19	2019-04-30	Decentralized trust using blockchain for tracking and validation of voice communications	Meethil Vijay Yadav; Bradley Wardman; Braden Christopher Ericson;	Paypal, Inc.;

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2,361	11394556	2022-07-19	2020-05-14	Blockchain-enabled computing	Holger Assenmacher;	Cryptowerk Corp.;
2,362	11394559	2022-07-19	2018-06-04	Methods and systems for ownership verification using blockchain	Mohamed Nosseir; Anil Somani; Quan Wang;	Visa International Service Association;
2,363	11394564	2022-07-19	2020-11-23	System and method for distributed PKI root	Darshak Thakore; Michael Glenn; Brian Alexander Scriber; Steven John Goeringer;	Cable Television Laboratories, Inc.;
2,364	11394584	2022-07-19	2021-07-22	Asynchronous processing of blockchain blocks	Jiyuan Wang; Xuebing Yan;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,365	11394809	2022-07-19	2020-06-24	System and method for continuous tracking of media playback using blockchain	Pouria Assadipour; Andrew Batey; Morgan Hayduk;	Beatdapp Software Inc.;
2,366	11394829	2022-07-19	2021-12-01	System and method for callback management utilizing smart callbacks	Matthew Donaldson Moller; Matthew DiMaria; Shannon Lekas; Kurt Nelson; Nicholas James Kennedy; Kevin Shinseki; Robert Harpley;	Virtual Hold Technology Solutions, LLC;
2,367	11385840	2022-07-12	2020-11-07	Multi-tiered data storage with archival blockchains	Tyson York Winarski;	
2,368	11385917	2022-07-12	2021-06-28	Method for executing smart contract and blockchain node	Ying Yan; Qi Liu;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,369	11386050	2022-07-12	2020-08-26	Activity verification using a distributed database	Satayan Mahajan;	A9.com, Inc.;
2,370	11386054	2022-07-12	2021-06-21	Blockchain-based hierarchical data storage	Zhonghao Lu; Benquan Yu; Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
2,371	11386217	2022-07-12	2019-02-20	Hybrid centralized and decentralized enterprise system	Boris Greven;	Sap Se;
2,372	11386375	2022-07-12	2018-09-20	Systems and/or methods for securing and automating process management systems using distributed sensors and distributed ledger of digital transactions	Vijay Anand Chidambaram; Rajesh Kumar Radhakrishnan Varadhan; Balaji Thilagar; Vijayanand Ravivarman;	Software Ag, Inc.;
2,373	11386405	2022-07-12	2017-12-19	Dynamic blockchain transactional policy management	Vinayaka Pandit; Rishi Saket; Kameshwaran Sampath; Talha Ahmad Siddiqui;	International Business Machines Corporation;
2,374	11386423	2022-07-12	2021-08-12	Multi-signature verification network	Jerry Perullo;	Intercontinental Exchange Holdings, Inc.;
2,375	11386425	2022-07-12	2020-06-04	Multiple microprocessor architecture for cold storage	Chester Silvestri; Adam Silvestri;	Icoin Technology, Inc.;
2,376	11386426	2022-07-12	2021-01-26	Invoice invalidation method and apparatus based on blockchain, and electronic device	Hansong Xiao; Dongxu Li; Wenhu Kan; Ping Zhang; Zhen Sun; Jinming Duan; Liangrong Lin; Wei Chen;	Advanced New Technologies Co., Ltd.;
2,377	11386437	2022-07-12	2021-04-19	Voting system to prevent fraud using blockchain technology	Nathaniel Loyd;	Gleipnir Technologies LLC;
2,378	11386444	2022-07-12	2020-04-27	Methods and systems for providing reward based verified recommendations	Dhananjay Singh; Bharat S Rawalkshatriya;	Coracias Advanced Technologies LLC;
2,379	11386493	2022-07-12	2019-07-14	System and method for cryptocurrency trading	David Bleznak; Sergey Tsyba; Jordan Lyall; Noah Passalacqua; Nate Welch; Craig Braun; Ed Posnak; Eric Bujold; Colleen Stabler; Svenn Mahle; Katie Horne; Austin Roberts; Chris Behar; Andrew Trudel; Andrew Katsevich; Harry Wright; Audrey Sciortino;	Toffee Merger Sub Ii, LLC;
2,380	11386498	2022-07-12	2018-04-19	Using historical data for subrogation on a distributed ledger	William J Leise; Douglas A Graff; Anthony McCoy; Jaime Skaggs; Shawn M Call; Stacie A McCullough; Wendy H Clayton; Melinda Teresa Magerkurth; Kim E Flesher; Travis Charles Runge;	State Farm Mutual Automobile Insurance Company;

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2,381	11386985	2022-07-12	2019-05-13	Healthcare transaction validation via blockchain systems and methods	Nicholas J Witchey;	Nant Holdingsip, LLC;
2,382	11387978	2022-07-12	2020-09-23	Systems and methods for securing access rights to resources using cryptography and the blockchain	Adam Meghji;	Live Nation Entertainment, Incorporated;
2,383	11387979	2022-07-12	2019-12-23	Partially-ordered blockchain	Krishnasuri Narayanam; Ken Kumar; Pankaj S Dayama; Akshar Kaul;	International Business Machines Corporation;
2,384	11387990	2022-07-12	2021-06-25	Method and apparatus for generating description information	Hong Zhang;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,385	11387994	2022-07-12	2017-10-31	Cryptographic key generation system and method	Quan Wang;	Visa International Service Association;
2,386	11388003	2022-07-12	2019-05-29	Integration of power system data onto a distributed ledger	Andrew Scott Goodson;	Schweitzer Engineering Laboratories, Inc.;
2,387	11388010	2022-07-12	2019-10-18	Blockchain account migration	Tian Chen; Zhihong Mao;	Arcblock, Inc.;
2,388	11388017	2022-07-12	2021-06-28	Communication optimization systems of blockchain network, registration methods and message forwarding methods	Youpeng Xie; Guannan Kou; Wenxiang Jin; Rungui Ye; Lingtao Kong; Chao Zeng; Liman Hou; Yifan Chen; Jiang Wang; He Sun; Ke Liu; Lei Zhang; Han Xiao;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,389	11388083	2022-07-12	2020-05-08	Secure route identification method and apparatus	Donghui Wang; Hongpei Li; Bingyang Liu;	Huawei Technologies Co., Limited;
2,390	11388190	2022-07-12	2021-07-12	Anti-replay device based on memory space interchange	Hong Lv;	Advanced New Technologies Co., Ltd.;
2,391	11388229	2022-07-12	2021-06-29	Methods and apparatuses for transmitting messages	Jiang Wang; Chao Zeng; He Sun;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,392	11386076	2022-07-12	2021-02-01	Data processing method and apparatus based on blockchain network, electronic device, and storage medium	Zhichao Du;	Tencent Technology (shenzhen) Company Limited;
2,393	11379429	2022-07-05	2021-10-28	Computer-based systems configured for permission events management on a blockchain and methods of use thereof	Kevin Lupowitz; Eric Couillard; Jeff Yang; Chester Chee; Brian Bruce; Joe Grastara;	Tassat Group Inc.;
2,394	11379455	2022-07-05	2020-09-16	Systems and methods for synchronizing database operations with a distributed blockchain	Stephan Cunningham; Cameron Thacker; John Linden;	Mythical, Inc.;
2,395	11379469	2022-07-05	2019-11-20	Time stamping of data in an offline node	Sandeep Kumar Mishra;	Schneider Electric Industries Sas;
2,396	11379472	2022-07-05	2020-11-03	Schema-based pruning of blockchain data	Jeronimo Irazabal; Petr Novotny;	International Business Machines Corporation;
2,397	11379474	2022-07-05	2020-02-19	Computation of containment relationships	Ashish Jagmohan; Yi-Min Chee; Julie MacNaught; Abhilash Narendra; Krishna Chaitanya Ratakonda; Ryan Enderby;	International Business Machines Corporation;
2,398	11379594	2022-07-05	2020-01-20	Media obfuscation	Yedendra Shrinivasan;	International Business Machines Corporation;
2,399	11379785	2022-07-05	2019-06-27	Decentralized shipping network using blockchains	Nambi Sankaran; Constanza Maria Heath; Someshekhar Banerjee; Abhishek Pandey; Mikhail Tsirelson;	Ebay, Incorporated;
2,400	11379803	2022-07-05	2019-09-04	Blockchain-based data processing method and device	Hao Wu;	Advanced New Technologies Co., Ltd.;

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2,401	11379824	2022-07-05	2018-06-20	Privacy preserving transactions with probabilistic transaction fees	Pralhad Dinesh Deshpande; Chun Hui Suen; Muhammad Tayyab Asif;	International Business Machines Corporation;
2,402	11379826	2022-07-05	2020-05-20	Method, apparatus and electronic device for blockchain transactions	Wenbin Zhang; Lichun Li; Baoli Ma; Zheng Liu; Shan Yin;	Advanced New Technologies Co., Ltd.;
2,403	11379828	2022-07-05	2018-08-30	Distributed computing and storage network implementing high integrity, high bandwidth, low latency, secure processing	Andrew J Coleman; Anthony J O'Dowd;	International Business Machines Corporation;
2,404	11379830	2022-07-05	2021-06-18	Method for executing smart contract, blockchain node, and storage medium	Ying Yan; Changzheng Wei; Xuepeng Guo;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,405	11379832	2022-07-05	2018-12-07	Systems and methods of blockchain for transaction rewards on token locking	Thomas H Austin; Saswata Basu;	0chain Corp.;
2,406	11379833	2022-07-05	2019-04-12	Systems and methods of generating, validating, approving, recording, and utilizing digital data assets in a blockchain platform using a transactional proof of work	Jennifer M Hinkel; Arka Ray;	The Data Economics Company;
2,407	11379834	2022-07-05	2020-10-13	Secure management of data files using a blockchain	Sergio Pinzon Gonzales, Jr;	Ebay, Incorporated;
2,408	11379836	2022-07-05	2021-01-29	Methods and systems for recording data based on plurality of blockchain networks	Xinying Yang;	Advanced New Technologies Co., Ltd.;
2,409	11379844	2022-07-05	2021-06-07	Systems and methods for quantifying and electronically displaying degrees of association between blockchain addresses	Maxwell David Galka;	Elementus Inc.;
2,410	11379866	2022-07-05	2021-08-04	Retrieving values of digital tickets using smart contracts in blockchain networks	Zhiyuan Feng; Yanpeng Li; Long Cheng;	Advanced New Technologies Co., Ltd.;
2,411	11379867	2022-07-05	2020-09-02	Method for automatically providing cryptocurrency to recommender using propagation on SNS	Sang Mi Ryu;	
2,412	11379922	2022-07-05	2020-01-22	Blockchain-based service processing	Duofeng Hu;	Advanced New Technologies Co., Ltd.;
2,413	11379927	2022-07-05	2021-03-17	System and method for the management of liability risk selection	Athula Alwis;	Alldigital Specialty Insurance;
2,414	11381083	2022-07-05	2020-12-04	Integrating blockchain mining with boiler controls to create a hybrid power generator	Jeffrey Campbell; William Spence;	Q Power LLC;
2,415	11381383	2022-07-05	2021-06-16	Methods and apparatuses for processing service using blockchain	Qi Huang;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,416	11381384	2022-07-05	2019-09-18	Blockchain system for optimizing processes	Ganesh Krishnan; Dharmesh Dadbhawala; Ashish Baluja; Bhaumik Dedhia;	Boardwalktech, Inc;
2,417	11381385	2022-07-05	2019-05-20	Data processing method and apparatus for blockchain, and storage medium	Wei Xiao;	Baidu Online Network Technology (beijing) Co., Ltd.;
2,418	11381401	2022-07-05	2020-01-07	Blockchain transaction forwarding	Timothy J Courtney; Meherzad F Aga; Syed Y Abbas;	Seagate Technology Incorporated;
2,419	11381403	2022-07-05	2019-12-09	Integrating blockchain with off-chain services	Huijie Zhang;	Sap Se;
2,420	11381558	2022-07-05	2019-10-18	Blockchain-based device enrollment service	Rifaat Shekh-Yusef; John A Young;	Avaya Inc.;

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2,421	11381573	2022-07-05	2021-02-01	Parallel execution of transactions in a blockchain network based on smart contract whitelists	Ning Xia; Guilu Xie; Fuxi Deng;	Advanced New Technologies Co., Ltd.;
2,422	11381589	2022-07-05	2019-10-11	Systems and methods for distributed extended common vulnerabilities and exposures data management	Mehdi Tassoumt; Wayne Haber;	Secureworks, Inc.;
2,423	11381653	2022-07-05	2020-12-11	System and method for scalably tracking media playback using blockchain	Pouria Assadipour; Andrew Batey;	Beatdapp Software Inc.;
2,424	11379827	2022-07-05	2018-04-17	Smart contract executed within a blockchain	Avi Ben-David; Vladislav Amirov; Ori Erez; Yoav Pinkas;	Lendoit Technologies Israel Ltd.;
2,425	11379858	2022-07-05	2021-01-08	User apparatus and manager apparatus included in blockchain network and controlling method thereof	Umang Goel; Rahul Rajendra Sonanis; Siddharth Lal; Ishan Rastogi; Yeon Hyang Kim;	Samsung Electronics Co., Ltd.;
2,426	11371411	2022-06-28	2020-02-04	Method for operating a motor vehicle having an exhaust gas aftertreatment device, exhaust gas aftertreatment system, computer program product and computer-readable medium	Hanno Weber;	Mercedes-benz Group Ag;
2,427	11372568	2022-06-28	2021-06-22	System and method for storing and accessing blockchain data	Zhihui Zhu; Shan Yu;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,428	11372695	2022-06-28	2021-03-31	Blockchain-based import custom clearance data processing	Hui Fang; Shengjiao Cao; Weitao Yang;	Alipay Labs (singapore) Pte. Ltd.;
2,429	11372724	2022-06-28	2020-02-11	Method and system for handling blockchain network based file storage system	Vipul Gupta; Ankur Agrawal; Rahul Agrawal; Prashant Sharma; Kalgesh Singh; Saurabh Kumar; Anil Kumar Saini;	Samsung Electronics Co., Ltd.;
2,430	11372817	2022-06-28	2019-04-18	Synchronization of peers	Jeronimo Irazabal;	International Business Machines Corporation;
2,431	11372848	2022-06-28	2021-06-21	Managing transactions in multiple blockchain networks	Hui Fang; Yuan Yuan; Shengjiao Cao; Weitao Yang;	Alipay Labs (singapore) Pte. Ltd.;
2,432	11372980	2022-06-28	2019-06-14	Blockchains for software component vulnerability databases	Michael F Angelo; Lloyd L Burch; Baha Masoud;	Netiq Corporation;
2,433	11373152	2022-06-28	2018-08-22	Universal tokenisation system for blockchain-based cryptocurrencies	Craig Steven Wright; Stephane Savanah;	Nchain Holdings Limited;
2,434	11373170	2022-06-28	2021-08-11	Custom mempool protocol associated with processing of cryptographic events	Sheldon Bennett; Adrian Glover;	Dmg Blockchain Solutions, Inc.;
2,435	11373171	2022-06-28	2020-01-22	Method and system for prevention of lost currency in blockchain networks to missing wallets	Jaipal Singh Kumawat; Shubham Kumar; Apoorva Dixit; Aditya Koduri; Chandan Garg;	Mastercard International Incorporated;
2,436	11373175	2022-06-28	2019-02-22	Method and system for linkage of blockchain private keys	Madhavi Sharma; Chandan Garg; Jaipal Singh Kumawat;	Mastercard International Incorporated;
2,437	11373177	2022-06-28	2019-04-10	Method for issuing currency and making payment using utxo-based protocol and server using same	Joo Han Song; Jay Wu Hong; Joon Sun Uhr;	Coinplug, Inc.;
2,438	11373179	2022-06-28	2019-07-12	Method and system for secure and verifiable offline blockchain transactions	Stephen Higgins;	Mastercard International Incorporated;
2,439	11373187	2022-06-28	2020-08-24	Token device for distributed ledger based interchange	Duane Cash; Alexander Nagelberg; Hudson R Jameson;	United Services Automobile Association (usaa);
2,440	11373202	2022-06-28	2018-07-16	Method and system for referral fraud prevention via blockchain	Ankur Arora; Rakesh Patel; Ankur Dua; Aditya Koduri;	Mastercard International Incorporated;

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2,441	11373480	2022-06-28	2020-04-07	Progressive systems on a distributed ledger	Eric Taylor; Nimish Purohit; Thomas Rizos;	Aristocrat Technologies, Inc.;
2,442	11374746	2022-06-28	2020-05-31	Time-aware blockchain staged regulatory control of internet of things data	Winnie Chau; John Philip Mulligan; Shashi Gowda;	At&t Global Network Services Hong Kong Ltd; At&t Mobility Ii LLC;
2,443	11374754	2022-06-28	2017-09-07	System and method for generating trust tokens	Quan Wang; Weiyi Zhou;	Visa International Service Association;
2,444	11374755	2022-06-28	2020-12-08	Entangled token structure for blockchain networks	Nitin Gaur; Timothy Olson; Petr Novotny;	International Business Machines Corporation;
2,445	11374757	2022-06-28	2021-04-22	Blockchain-based patrol inspection proof storage method, apparatus, and electronic device	Hongbo Cai; Kaiming Huang; Zhe Han; Shiqi Jiang; Lei Yang;	Advanced New Technologies Co., Ltd.;
2,446	11374762	2022-06-28	2018-10-09	Certifying authenticity of data modifications	Hiroaki Nakamura; Takaaki Tateishi;	International Business Machines Corporation;
2,447	11374765	2022-06-28	2019-10-18	Process for managing escrow payments between multiple parties	Cal Wilson Webster; Joshua Miller;	
2,448	11374768	2022-06-28	2019-06-11	Method and system for real-time driving alerts	Aditya Koduri; Rakesh Patel; Jaipal Singh Kumawat;	Mastercard International Incorporated;
2,449	11374962	2022-06-28	2020-07-01	Method and system for prevention of spam attacks on a blockchain network	Chandan Garg; Jaipal Singh Kumawat; Nikhat Parveen;	Mastercard International Incorporated;
2,450	11375009	2022-06-28	2020-12-07	Minimizing the impact of malfunctioning peers on blockchain	Qi Zhang; Petr Novotny; Lei Yu; Nitin Gaur;	International Business Machines Corporation;
2,451	11375065	2022-06-28	2020-11-11	Control information for public switched telephone network (PSTN) using blockchain system	Axel Simon;	Red Hat, Inc.;
2,452	11372849	2022-06-28	2021-06-27	Transaction confirmation methods and apparatuses in blockchain network	Xiaojian Liu;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,453	11366677	2022-06-21	2021-06-25	Methods, blockchain nodes, and node devices for executing smart contract	Changzheng Wei; Xuepeng Guo; Ying Yan;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,454	11366803	2022-06-21	2020-07-10	Method for providing relational decentralized identifier service and blockchain node using the same	Joon Sun Uhr; Joo Han Song;	Coinplug, Inc.;
2,455	11366881	2022-06-21	2020-04-29	Blockchain enhanced entitlement control	Kevin Matthew Mintz; Arthur R Leinen, III; Melanie Jean Cutlan; Richard Thomas Meszaros;	Accenture Global Solutions Limited;
2,456	11366882	2022-06-21	2020-03-02	Method and system for verifying integrity of a digital asset using a distributed hash table and a peer-to-peer distributed ledger	Craig Steven Wright; Stephane Savanah;	Nchain Holdings Limited;
2,457	11366910	2022-06-21	2018-12-27	Method and system for secure applications using blockchain	Eli Talmor; Rita Talmor;	
2,458	11366915	2022-06-21	2020-04-21	Method and system for document authorization and distribution	Wen Zhu;	Ledgendd Technologies Inc.;
2,459	11366925	2022-06-21	2021-06-29	Methods and apparatuses for chaining service data	Erfeng Yan;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,460	11366932	2022-06-21	2021-06-21	Consensus method and data verification method, apparatus, and system of consortium blockchain	Shuai Li;	Alipay (hangzhou) Information Technology Co., Ltd.;

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2,461	11367035	2022-06-21	2019-03-08	Blockchain assisted asset pedigree traceback	Shabbir M Dahod; Robert Sturim; Vivek Madhu Sudan Badri Narayan; Lucia Deus;	Tracelink, Inc.;
2,462	11367055	2022-06-21	2017-10-11	Decentralized pooled mining for enabling proof-of-work on blockchains	Pralhad D Deshpande; Yuan Yuan;	International Business Machines Corporation;
2,463	11367060	2022-06-21	2021-08-10	Collaborative video non-fungible tokens and uses thereof	Igor Barbashin; Raymond R Lee; Cole A Mason;	Creator Proof LLC;
2,464	11367065	2022-06-21	2019-11-26	Distributed ledger system for electronic transactions	Josiah Johnson Umezurike;	
2,465	11367066	2022-06-21	2019-06-28	Wallet recovery method	Peter Jihoon Kim;	Coinbase, Inc.;
2,466	11367068	2022-06-21	2020-05-26	Decentralized blockchain for artificial intelligence-enabled skills exchanges over a network	Alston Ghafourifar; Mehdi Ghafourifar;	Entefy Inc.;
2,467	11367071	2022-06-21	2018-07-20	Secure tracking and transfer of items using a blockchain	Sergio Pinzon Gonzales, Jr; Todd Loren Lash; Ethan Benjamin Rubinson; Seyed-Mahdi Pedramrazi; Fausto Dassenno;	Ebay, Incorporated;
2,468	11368285	2022-06-21	2019-12-05	Efficient threshold storage of data object	Vita Bortnikov; Michael Factor; Jason Resch;	International Business Machines Corporation;
2,469	11368288	2022-06-21	2020-11-20	Apparatus and method of lightweight communication protocols between multiple blockchains	Shangru Wu; Haihua Zhang; Xingxia Zhang; Ruoqing Zhang;	Hong Kong Applied Science and Technology Research Institute Company, Limited;
2,470	11368289	2022-06-21	2020-04-06	Video registration and authentication using blockchain	Elena Kvochko;	Bank of America Corporation;
2,471	11368304	2022-06-21	2020-06-17	Systems and methods for generating a parts logbook using blockchain technology	Sathish Muthukrishnan; Sujaya Rao; Satyanarayan Kar; Vinayakumar Kasimsetty; Keerthi Jayarajan; Kamesh Palani; Timothy Hearn;	Honeywell International Inc.;
2,472	11368309	2022-06-21	2020-12-22	Methods and devices for generating and verifying passwords	Hui Xu;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,473	11368310	2022-06-21	2020-07-11	Data transfer between computing nodes of a distributed computing system	Varshini Ramiya Vasudevan; Vinod Anbalagan; Madhav Vaidyanath; Thilagaraj Kannaiyan;	Bank of America Corporation;
2,474	11368317	2022-06-21	2021-06-27	Consensus method of consortium blockchain, and consortium blockchain system	Shuai Li;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,475	11368416	2022-06-21	2020-12-14	Reconciliation of a blockchain ledger during failures of an enterprise service bus	Ondrej Zizka;	Red Hat, Inc.;
2,476	11368441	2022-06-21	2019-01-29	Method and system for general data protection compliance via blockchain	Alonzo Benavides; Ian Major; Prem Chander Rajamohan; Thomas Hansen; Duygu Gün;	Mastercard International Incorporated;
2,477	11368450	2022-06-21	2020-11-20	Method for bidirectional authorization of blockchain-based resource public key infrastructure	Yaping Liu; Shuo Zhang; Binxing Fang; Peng Sun; Qingyuan Li; Yifei Zhou;	Guangzhou University;
2,478	11368456	2022-06-21	2020-09-11	User security profile for multi-media identity verification	Sandeep Kumar Chauhan; Sarat Kumar Magatapalli; Yash Sharma;	Bank of America Corporation;
2,479	11368527	2022-06-21	2018-11-05	Decentralized node finder in multi-cloud computing environment	Pengfei Wu; Zhi Ying; Kun Wang;	Emc IP Holding Company LLC;
2,480	11368284	2022-06-21	2019-09-25	Vehicle blockchain transactions	Perry Robinson MacNeille; John Michael Galan Ferrer; Prashant Rao; Taylor Hawley; Joseph Wisniewski; Fling Finn Tseng;	Ford Global Technologies, LLC;

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2,481	11360946	2022-06-14	2019-05-17	Tracking data transfers	Gregory R Hintermeister; Michael A Kaczmarski; Thomas K Clark;	International Business Machines Corporation;
2,482	11360964	2022-06-14	2019-09-25	Collaborative generation of ontology on a blockchain	Abhijit Keskar; Prashant Bhatwadekar;	Innoplexus Ag;
2,483	11361054	2022-06-14	2021-06-29	Blockchain-based infringement detection method, apparatus, and electronic device	Zhe Han;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,484	11361089	2022-06-14	2019-10-30	Method, apparatus, and electronic device for blockchain-based recordkeeping	Hong Zhang; Haitao Jiang; Linqing Wang; Xinyu Weng; Fuqiang Li; Feng Lin; Jun Wu; Xiaodong Zeng; Lei Yang;	Advanced New Technologies Co., Ltd.;
2,485	11361109	2022-06-14	2017-12-14	Distributed blockchain-based method for the collective signing of a file by several parties	Bruno Lowagie;	Itext Group Nv;
2,486	11361110	2022-06-14	2019-08-19	File verification method, file verification system and file verification server	Yung-Cheng Huang; Shao-Nung Huang;	Acer Inc.;
2,487	11361262	2022-06-14	2020-10-01	Blockchain-enabled edge computing method for production scheduling	Jiewu Leng; Alan Zhou; Qiang Liu; Guolei Ruan; Shide Ye; Jianbo Jing; Hu Zhang;	Guangdong University of Technology;
2,488	11361286	2022-06-14	2016-11-17	Identifying negotiable instrument fraud using distributed ledger systems	Michael Joseph Gaeta; Alexander B Nagelberg; Joseph Matthew Doddato; Steven J Schroeder; Michael L Hertz; Hudson R Jameson; Gunjan Vijayvergia; Bharat Prasad;	United Services Automobile Association (usaa);
2,489	11361324	2022-06-14	2020-11-03	Blockchain-issued verifiable credentials for portable trusted asset claims	Timothy Olson; Petr Novotny; Nitin Gaur;	International Business Machines Corporation;
2,490	11361388	2022-06-14	2020-07-22	Blockchain systems and methods for managing usage-based contracts	Matthew L Floyd;	State Farm Mutual Automobile Insurance Company;
2,491	11361562	2022-06-14	2018-08-07	Pathway article authentication	James B Snyder; Justin M Johnson; James W Howard;	3m Innovative Properties Company;
2,492	11361649	2022-06-14	2020-06-24	Tamper resistant data management in a sensor network	Paul James Lillibridge;	Mclane Company, Inc.;
2,493	11362805	2022-06-14	2018-11-01	Database encryption layer	Elli Androulaki; Angelo De Caro; Alessandro Sorniotti; Tamas Visegrady;	International Business Machines Corporation;
2,494	11362808	2022-06-14	2020-06-17	Method and system for consensus in a permissioned blockchain	Banavathi Venkata Subra Girish;	Sasken Technologies Ltd;
2,495	11362809	2022-06-14	2020-10-22	Systems and methods for post-collision vehicle routing via blockchain	William J Leise; Douglas A Graff; Stacie A McCullough; Shawn M Call; Eric Bellas; Jaime Skaggs; Jacob J Alt; Eric R Moore; Vicki King;	State Farm Mutual Automobile Insurance Company;
2,496	11362826	2022-06-14	2020-03-18	Endorsement process for non-deterministic application	Jeronimo Irazabal; Saritha Arunkumar;	International Business Machines Corporation;
2,497	11362840	2022-06-14	2021-06-15	Methods, apparatuses, devices and systems for backtracking service behavior	Shanlu Sun; Ping Dai; Xiuying Dai; Shubo Li;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,498	11362914	2022-06-14	2018-10-22	Method and control system for controlling and/or monitoring devices	Thomas Jetzfellner;	Siemens Aktiengesellschaft;
2,499	11363017	2022-06-14	2018-12-07	Smart home network security through blockchain	Michelle Zhou; Ying Wang; Wen-De T Chang; Satya P Yandra; Erfaun Noorani;	Verizon Patent and Licensing Inc.;
2,500	11363033	2022-06-14	2018-06-14	Time-dependent blockchain-based self-verification user authentication method	Ho Yun Kyung;	

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2,501	11354198	2022-06-07	2019-11-19	Snapshot for world state recovery	Petr Novotny; Qi Zhang; Ashish Kundu;	International Business Machines Corporation;
2,502	11354278	2022-06-07	2019-04-05	Linking of tokens	Sayandeep Sen; Dushyant K Behl; Palanivel A Kodeswaran; Jaikrishnan Hari;	International Business Machines Corporation;
2,503	11354335	2022-06-07	2021-06-30	Method and apparatus for obtaining number for transaction-accessed variable in blockchain in parallel	Xiaojian Liu;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,504	11354425	2022-06-07	2020-01-20	Privacy-preserving document sharing	Yedendra Shrinivasan; Krishna Chaitanya Ratakonda; Teja Chiranjeevi Tummalapalli; Mari M Wade; Atallah Hezbor;	International Business Machines Corporation;
2,505	11354448	2022-06-07	2021-06-25	Demand trusted device-based data acquisition methods, apparatuses, and devices	Wenyu Yang; Renhui Yang; Qin Liu; Yuan Chen; Shubo Li; Sheng Zhang; Qin Xiong;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,506	11354621	2022-06-07	2019-02-08	Supply chain management system and a method of operating the same	Subhash Makhija; Ramachander Raja; Shivendra Singh Malik; Santosh Ganesh Dattatraya Bhat;	Nb Ventures, Inc.;
2,507	11354629	2022-06-07	2019-05-28	Controlling initiation of a blockchain election using a burn quota	Jude Nelson; Aaron Blankstein;	Hiro Systems Pbc;
2,508	11354656	2022-06-07	2021-06-07	Smart contract whitelists	Ning Xia; Guilu Xie; Fuxi Deng;	Advanced New Technologies Co., Ltd.;
2,509	11354657	2022-06-07	2021-06-25	Managing transactions in multiple blockchain networks	Hui Fang; Yuan Yuan; Shengjiao Cao; Weitao Yang;	Alipay Labs (singapore) Pte. Ltd.;
2,510	11354658	2022-06-07	2016-02-11	Method and system for offline blockchain exchanges	Garry Lyons; Steven Charles Davis;	Mastercard International Incorporated;
2,511	11354669	2022-06-07	2018-06-28	Collaborative analytics for fraud detection through a shared public ledger	Jessica G Snyder; Yi-Hui Ma; Thomas T Hanis;	International Business Machines Corporation;
2,512	11354727	2022-06-07	2018-11-27	System and method for improving security of smart contract on blockchain	Zhongxiao Yao;	Advanced New Technologies Co., Ltd.;
2,513	11354734	2022-06-07	2019-10-18	Cryptographic monetary system for providing digital currency	Henry Gleizer;	
2,514	11354744	2022-06-07	2021-06-29	Blockchain-based cross-currency settlement methods, apparatuses, and devices	Shi Shu; Danqing Hu;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,515	11354750	2022-06-07	2020-04-20	Blockchain systems and methods for providing insurance coverage to affinity groups	Leif Agerholm Roll; Eric Webster; Gregory Hayward; Craig Dean Isaacs;	State Farm Mutual Automobile Insurance Company;
2,516	11354946	2022-06-07	2020-02-27	Hardware appliance blockchain token requests	Sterling Pratz; Orang Ryan Tabibian; Mark McCabe;	Car Iq Inc.;
2,517	11354947	2022-06-07	2020-02-27	Blockchain sequencing	Sterling Pratz; Orang Ryan Tabibian; Mark McCabe;	Car Iq Inc.;
2,518	11356242	2022-06-07	2019-06-27	Audit chain for private blockchain	Saumyadipta Das; Francois Vigneron; Andreas Grosche; Joe A Kattackal; Markus Brugger; Mark Teichmann; Manoj Karjala Chandrasekar; Vigneswaran Padmanaban; Srikanth Rajamani; Matthew Morabito;	Sap Se;
2,519	11356243	2022-06-07	2019-07-05	Information management system with blockchain authentication	Yasuhiro Umemoto;	Mallservice Inc.;
2,520	11356245	2022-06-07	2021-07-31	Data storage, data check, and data linkage method and apparatus	Yi Li; Zunkui Zhao;	Advanced New Technologies Co., Ltd.;

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2,521	11356250	2022-06-07	2021-06-17	Key data processing	Hao Wu;	Advanced New Technologies Co., Ltd.;
2,522	11356263	2022-06-07	2018-06-07	Computer-implemented system and method providing a decentralized protocol for the recovery of cryptographic assets	John Fletcher; Silvia Bartolucci;	Nchain Licensing Ag;
2,523	11356266	2022-06-07	2020-09-11	User authentication using diverse media inputs and hash-based ledgers	Sandeep Kumar Chauhan; Sarat Kumar Magatapalli; Yash Sharma;	Bank of America Corporation;
2,524	11356270	2022-06-07	2021-03-31	Blockchain-based smart contract pools	Hui Fang;	Alipay Labs (singapore) Pte. Ltd.;
2,525	11356278	2022-06-07	2021-06-04	Blockchain driven embedded video and digital signatures on signed documents	Subrao Venugopal Shenoy; Saahil Shenoy;	
2,526	11356279	2022-06-07	2021-06-28	Blockchain-based electronic signature method and apparatus	Sanyuan He;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,527	11356282	2022-06-07	2020-02-10	Sending cross-chain authenticatable messages	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
2,528	11356424	2022-06-07	2020-06-22	Database synchronization system in high security zones using blockchain	Anchika Agarwal; Pushpinder Singh;	Paypal, Inc.;
2,529	11347451	2022-05-31	2019-07-08	User account management based on blockchain in image forming device	Sejong Kim; Jung-Hun Kim; Sangmi Kim; Hyun-woo Yoo;	Hewlett-packard Development Company, L.p.;
2,530	11347492	2022-05-31	2020-02-26	Software deployment control using blockchain	Harihar Pai; Kavitha Alagesan; Nagendra Reddy Devireddy;	Sap Se;
2,531	11347535	2022-05-31	2020-01-03	Cooperative cloud infrastructure using blockchains for hardware ownership and access	Jay Vyas; Huamin Chen;	Red Hat, Inc.;
2,532	11347726	2022-05-31	2020-02-11	Cross-chain transaction method and apparatus	Yaoguo Jiang; Feihu Jiang; Ruifeng Hu; Haiyang Ding;	Huawei Technologies Co., Limited;
2,533	11347727	2022-05-31	2021-05-11	Blockchain-based smart contract invocation method and apparatus, and electronic device	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
2,534	11347769	2022-05-31	2020-06-19	Import and export in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
2,535	11347814	2022-05-31	2020-04-28	Method of distributed management of electronic documents of title (EDT) and system thereof	Gad Ruschin; Or Garbash; Yair Sappir;	Ogy Docs, Inc.;
2,536	11347838	2022-05-31	2017-02-14	Blockchain implemented counting system and method for use in secure voting and distribution	Craig Steven Wright; Stephane Savanah;	Nchain Holdings Limited;
2,537	11347876	2022-05-31	2016-07-20	Access control	Gery Ducatel; Theo Dimitrakos; Joshua Daniel;	British Telecommunications Public Limited Company;
2,538	11347885	2022-05-31	2021-06-15	Verified templates	John Christopher Muddle; Jesús Alejandro Cárdenes Cabré; Jeremy Taylor;	Via Science, Inc.;
2,539	11347888	2022-05-31	2021-06-29	Blockchain-based user privacy data providing methods and apparatuses	Dexin Su; Jun Gu;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,540	11347894	2022-05-31	2018-02-23	Hash values for a bidirectionally linked blockchain	Andreas Wilke; David Fabian; Ilya Komarov; Manfred Paeschke;	Bundesdruckerei Gmbh;

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2,541	11348080	2022-05-31	2020-06-01	Open road tolling method, apparatus, and electronic device	Guofei Jiang;	Advanced New Technologies Co., Ltd.;
2,542	11348095	2022-05-31	2018-04-09	Rapid distributed consensus on blockchain	John Fletcher; Thomas Trevethan; Marco Bardoscia;	Nchain Licensing Ag;
2,543	11348097	2022-05-31	2018-08-30	Digital contracts in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
2,544	11348098	2022-05-31	2018-08-30	Decisional architectures in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
2,545	11348099	2022-05-31	2019-07-01	Systems and methods for implementing blockchain-based content engagement platforms utilizing media wallets	Madhu Vijayan;	Artema Labs, Inc;
2,546	11348104	2022-05-31	2020-01-08	Methods and devices for acquiring and recording tracking information on blockchain	Long Cheng; Yanpeng Li;	Advanced New Technologies Co., Ltd.;
2,547	11348120	2022-05-31	2019-04-23	Digital agreement management on digital twin ownership change	Joseph G Berti; Lisa Seacat DeLuca;	International Business Machines Corporation;
2,548	11348152	2022-05-31	2022-01-27	Systems and methods for creating apparel that provides embedded verification of a transferrable non-fungible token	Danny Davis;	Offstage Holdings, Inc.;
2,549	11348187	2022-05-31	2020-03-16	Computerized transaction management module for blockchain networks	Mahendran Muthu Pandian;	Oracle Financial Services Software Limited;
2,550	11349637	2022-05-31	2019-11-04	Random node selection for permissioned blockchain	Yacov Manevich; Artem Barger; Hagar Meir;	International Business Machines Corporation;
2,551	11349638	2022-05-31	2020-07-09	Privacy transaction processing method, electronic device and storage medium	Jingqi Cao; Silei Cheng; Lei Zhang; Xiaohe Liu; Haodong Chen; Hui Wang;	Beijing Baidu Netcom Science Technology Co., Ltd;
2,552	11349645	2022-05-31	2020-05-11	Determining a common secret for the secure exchange of information and hierarchical, deterministic cryptographic keys	Craig Steven Wright; Stephane Savanah;	Nchain Holdings Limited;
2,553	11349649	2022-05-31	2021-04-28	Methods and systems for modifying blockchain network configuration	Yanpeng Li; Zhiyuan Feng; Long Cheng;	Advanced New Technologies Co., Ltd.;
2,554	11349653	2022-05-31	2018-12-18	Multiple-site private network secured by IPsec using blockchain network for key exchange	Manimuthu Muthaiya Athmalingam; Haris Palapra; Dinesh Pulivalam Ramakrishnan; Balakumaran Kannan;	Hewlett Packard Enterprise Development LP;
2,555	11349658	2022-05-31	2021-06-29	Blockchain data processing method, apparatus, and device	Wenyu Yang; Honglin Qiu; Ying Yan; Shubo Li; Yuan Chen; Hanghang Wu; Renhui Yang; Qin Liu;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,556	11349674	2022-05-31	2020-08-26	Digital certificate management method and apparatus, computer device, and storage medium	Rui Guo; Maocai Li; Jianjun Zhang; Zhen Zeng; Zichao Tang; Jiguang Lu;	Tencent Technology (shenzhen) Company Limited;
2,557	11349775	2022-05-31	2020-03-16	Multi-resource and autonomous hierarchical brokering platform to enable slice resource exchange among heterogeneous network tenants	Vincenzo Sciancalepore; Lanfranco Zanzi; Antonio Albanese; Xavier Costa Perez;	Nec Corporation;
2,558	11349926	2022-05-31	2019-04-02	Protected smart contracts for managing internet of things devices	Tai-An Wang; Liang-Chih Chen; Yu-Shu Chen; Ting-Yin Yen;	Trend Micro Inc.;
2,559	11341102	2022-05-24	2019-09-04	Multi-tier blockchain-based system and method for document transformation and accountability	Edward Wu; Guy Gal; Christopher Dzoba; Jeffrey Judkins; Mark J Stefik; Adriano Castro;	Side, Inc.;
2,560	11341121	2022-05-24	2019-01-22	Peer partitioning	Zhi Guo Deng; Qi Li; Huan Wu; Shun Xian Wu; Xiao Ling Chen; Qing Yu Pei;	International Business Machines Corporation;

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2,561	11341123	2022-05-24	2018-06-25	Probabilistic relay for efficient propagation in a blockchain network	Simone Madeo; Patrick Motylinski; Giuseppe Destefanis; Stephane Vincent;	Nchain Licensing Ag;
2,562	11341161	2022-05-24	2020-05-27	Method and system for grouping of blockchain nodes for greater consensus	Shubham Kumar; Puneet Keshtwal; Chandan Garg; Hardik Wadhwa; Puneet Vashisht; Ankur Arora;	Mastercard International Incorporated;
2,563	11341192	2022-05-24	2020-01-28	Cross platform collaborative document management system	Meenakshi Sundaram P;	Sap Se;
2,564	11341451	2022-05-24	2018-10-10	Hierarchical blockchain architecture for global trade management	David Benayoun; Leon Turetsky; Jonathan Pekar; Felix Pekar; Eric Pekar; Mary Benayoun;	Questaweb Holdings Inc.;
2,565	11341457	2022-05-24	2019-10-17	Upstream visibility in supply-chain	Elisabeth Claire Paulson; Ashish Jagmohan; Ajay Ashok Deshpande; Pavithra Harsha; Ali Koc; Krishna Chaitanya Ratakonda; Ramesh Gopinath;	International Business Machines Corporation;
2,566	11341463	2022-05-24	2019-11-25	Blockchain ledger entry upon maintenance of asset and anomaly detection correction	Lisa Seacat DeLuca; Joseph G Berti;	International Business Machines Corporation;
2,567	11341466	2022-05-24	2019-10-31	Transferring digital tickets based on blockchain networks	Zhiyuan Feng; Yanpeng Li; Long Cheng;	Advanced New Technologies Co., Ltd.;
2,568	11341484	2022-05-24	2017-04-28	Implementing logic gate functionality using a blockchain	Craig Steven Wright; Stephane Savanah;	Nchain Holdings Limited;
2,569	11341487	2022-05-24	2020-05-08	System and method for information protection	Wenbin Zhang; Lichun Li; Baoli Ma;	Advanced New Technologies Co., Ltd.;
2,570	11341488	2022-05-24	2017-12-18	Systems and methods for issuing and tracking digital tokens within distributed network nodes	Justin Chapman; Andrew Czupek; Andrew Monks; Anthony Stevens; Arijit Das; Christopher Price; Wayne Hannaway; Zabrina Smith;	Northern Trust Corporation;
2,571	11341490	2022-05-24	2017-10-11	Carbon footprint blockchain network	Samuel M Jawaharlal; Sarbajit K Rakshit; Sathya Santhar; Balamurugaramanathan Sivaramalingam;	International Business Machines Corporation;
2,572	11341492	2022-05-24	2020-05-19	Method, apparatus and electronic device for blockchain transactions	Baoli Ma; Zheng Liu; Shan Yin; Wenbin Zhang; Lichun Li;	Advanced New Technologies Co., Ltd.;
2,573	11341493	2022-05-24	2020-11-11	Methods and devices for providing transaction data to blockchain system for processing	Long Cheng; Yanpeng Li;	Advanced New Technologies Co., Ltd.;
2,574	11341509	2022-05-24	2021-10-04	Voting system to prevent fraud using blockchain technology	Nathaniel Loyd; John Wesley Barron; Joshua Jarrell;	Gleipnir Technologies LLC;
2,575	11341522	2022-05-24	2021-05-06	Blockchain data	Jay Webster; Alexander J Olson; Tobias Speckbacher; Andreas Binnewies;	Valassis Communications, Inc.;
2,576	11341818	2022-05-24	2019-07-01	Systems and methods for authenticated blockchain data distribution	Kenneth Pustizzi;	Xspero U.S.;
2,577	11343072	2022-05-24	2020-01-15	Method and apparatus for providing service using kiosk	Seok Hyun Kim; Sangrae Cho; Young Seob Cho; Soo Hyung Kim; Seung-Hyun Kim; Youngsam Kim; Jong-Hyouk Noh; Kwantae Cho; Jin-Man Cho; Seung Hun Jin; Jung Yeon Hwang;	Electronics and Telecommunications Research Institute;
2,578	11343075	2022-05-24	2020-09-30	RAM hashing in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
2,579	11343103	2022-05-24	2021-04-20	Sending cross-chain authenticatable messages	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
2,580	11343272	2022-05-24	2020-04-17	Proof of work based on compressed video	Robert J Kapinos; Robert Norton; Russell Speight VanBlon; Scott W Li;	Lenovo (singapore) Pte. Ltd.;

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2,581	11343311	2022-05-24	2019-11-21	Edge computing for internet of things security with blockchain authentication	Raghuram Parvataneni; Anil K Guntupalli;	Verizon Patent and Licensing Inc.;
2,582	11343313	2022-05-24	2021-01-28	Fault tolerant periodic leader rotation for blockchain	Yacov Manevich; Hagar Meir; Artem Barger;	International Business Machines Corporation;
2,583	11334439	2022-05-17	2018-08-29	Checkpointing for increasing efficiency of a blockchain	Senthilnathan Natarajan; Chander Govindarajan; Manish Sethi; Adarsh Saraf;	International Business Machines Corporation;
2,584	11334443	2022-05-17	2018-01-11	Trusted data restoration and authentication	Eugene Aseev; Michael Chadwick; Alexander Tormasov; Stanislav Protasov; Mark Shmulevich; Serguei Beloussov;	Acronis International Gmbh;
2,585	11334560	2022-05-17	2019-02-14	Asset management method and apparatus, and electronic device	Xuebing Yan;	Advanced New Technologies Co., Ltd.;
2,586	11334562	2022-05-17	2019-10-29	Blockchain based data management system and method thereof	Kyu Sang Lee; Chang Suk Yoon; Young Yoo Heo; Han Saem Seo; Kyung Jin Kim; Ki Woon Sung;	Samsung Sds Co., Ltd.;
2,587	11334570	2022-05-17	2019-11-06	Blockchain-secured and document-based electronic medical records system	Francis Tuan Anh Nguyen; Duy Vu Minh Nguyen;	Infomed Viet Nam;
2,588	11334817	2022-05-17	2019-03-07	Blockchain-based data processing method, apparatus, and electronic device thereof	Qigang Wang; Xiaobing Guo; Zhongchao Shi; Zeyu Ning;	Lenovo (beijing) Co., Ltd.;
2,589	11334856	2022-05-17	2018-11-21	Check tampering prevention using blockchain	Adam Vukich; Colin Hart; Jason Ji; Kaitlin Newman;	Capital One Services, LLC;
2,590	11334874	2022-05-17	2018-08-30	Digital contracts in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
2,591	11334882	2022-05-17	2017-03-07	Data access management on a distributed ledger system	Hudson R Jameson; Seth Ethington; John C Hopkins, III; Benjamin D Ethington; Jonathan F Cholak;	United Services Automobile Association (usaa);
2,592	11334888	2022-05-17	2018-03-21	Method and apparatus for consensus verification	Ning Li;	Advanced New Technologies Co., Ltd.;
2,593	11334945	2022-05-17	2020-11-19	Method and device for processing transaction request in blockchain, electronic apparatus, and storage medium	Bo Jing;	Baidu Online Network Technology (beijing) Co., Ltd.;
2,594	11334952	2022-05-17	2018-02-20	Systems and methods for usage based insurance via blockchain	William J Leise; Douglas A Graff; Stacie A McCullough; Shawn M Call; Eric Bellas; Jaime Skaggs; Jacob J Alt; Eric R Moore; Vicki King;	State Farm Mutual Automobile Insurance Company;
2,595	11335109	2022-05-17	2019-08-28	Computing device for document authentication and a method to operate the same	Dominique Godefroy; Arun Moothedath;	Marlabs Incorporated;
2,596	11336430	2022-05-17	2018-09-07	Blockchain-incorporating distributed authentication system	Bhomik Pande; Steven Garcia; Vaibhav Vohra; Rohit Tripathi; Fernando Nakano;	Sap Se;
2,597	11336431	2022-05-17	2019-09-23	Verification system and method for cooperating with blockchain and off-chain devices	Gwan-Hwan Hwang;	International Trust Machines Corporation;
2,598	11336451	2022-05-17	2020-02-10	Cross-blockchain resource transmission	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
2,599	11336455	2022-05-17	2019-09-25	Consensus protocol for blockchain DAG structure	Daniel Ford;	International Business Machines Corporation;
2,600	11336457	2022-05-17	2019-07-11	Method and system for pre-authorization of orphaned blockchain transactions	Chandan Garg; Puneet Keshtwal; Abhinav Thukral; Rahul Lamba;	Mastercard International Incorporated;

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2,601	11336463	2022-05-17	2019-08-20	Information assurance (IA) using an integrity and identity resilient blockchain	Alireza Salimi; Benjamin Glen McCarty;	Accenture Global Solutions Limited;
2,602	11336465	2022-05-17	2020-02-10	Sending cross-chain authenticatable messages	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
2,603	11336558	2022-05-17	2021-06-29	Message transmission methods and apparatuses	Jiang Wang; Chao Zeng; He Sun;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,604	11336589	2022-05-17	2021-06-07	Allocating virtual resource based on blockchain	Tao Zou;	Advanced New Technologies Co., Ltd.;
2,605	11336660	2022-05-17	2021-06-29	Methods and apparatuses for identifying replay transaction based on blockchain integrated station	Zongru Zhan; Jiang Wang; Xiaoli Liu; Zheng Cao; Fuxi Deng; Chao Zeng;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,606	11336713	2022-05-17	2020-11-12	Methods, devices and systems for a distributed coordination engine-based exchange that implements a blockchain distributed ledger	Ramakrishna Thurimella; Yeturu Aahlad;	Wandisco Inc.;
2,607	11336735	2022-05-17	2018-02-05	Method and apparatus for managing service access authorization using smart contracts	James Kempf; Anshu Shukla; Nanjangud Chandrasekhara Swamy Narendra; Sambit Nayak;	Telefonaktiebolaget Lm Ericsson (publ);
2,608	11336011	2022-05-17	2020-12-22	Blockchain cellular system	Bao Tran; Ha Tran;	
2,609	11327551	2022-05-10	2019-02-14	Methods and apparatus for characterizing memory devices	Jonathan D Harms;	Micron Technology Incorporated;
2,610	11327732	2022-05-10	2021-06-18	Method for executing smart contract, blockchain node, and storage medium	Ying Yan; Changzheng Wei; Xuepeng Guo;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,611	11327833	2022-05-10	2021-05-28	Prioritizing shared blockchain data storage	Zhonghao Lu; Haizhen Zhuo;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,612	11327946	2022-05-10	2019-02-20	Hybrid centralized and decentralized enterprise system	Boris Greven;	Sap Se;
2,613	11327959	2022-05-10	2021-01-27	Data processing methods and systems based on blockchain smart contract	Guilu Xie;	Advanced New Technologies Co., Ltd.;
2,614	11328278	2022-05-10	2018-06-29	Point of sale terminal system and multi terminal network	Christopher Paul Siefken; Mahesh Kommareddi; Brian Keith Jackson;	Xenial, Inc.;
2,615	11328303	2022-05-10	2019-05-29	Asset transfer method and apparatus, and electronic device	Danqing Hu; Sen Lin; Junliang Zhang;	Advanced New Technologies Co., Ltd.;
2,616	11328347	2022-05-10	2018-06-28	Rental asset processing for blockchain	Alan Kang Hong Lim; Ying Kiat Jonathan Declan Tan;	International Business Machines Corporation;
2,617	11329800	2022-05-10	2019-10-20	Proof of dynamic quorum for blockchain consensus	Hyunsuk Han; Jayakrishnan Nair; Amitkumar Tank; Srinivas Ambikapathi;	Lendingclub Bank, National Association;
2,618	11329802	2022-05-10	2020-07-20	Systems and methods for data collection with blockchain recording	Thomas M Brehmer; Yuri Vizitei;	Trisk.io, Inc.;
2,619	11329804	2022-05-10	2020-10-15	Systems and methods for providing provenance and anti-counterfeiting of a part using blockchain technology	Lisa Estipona Butters; Sujay Rao; Satyanarayan Kar;	Honeywell International Inc.;
2,620	11329807	2022-05-10	2018-06-22	Controlled cryptographic private key release	John Fletcher; Thomas Trevethan;	Nchain Licensing Ag;

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2,621	11329818	2022-05-10	2020-06-29	Active state blockchain synchronization	David Treat; Giuseppe Giordano; Luca Schiatti; Hugo Borne-Pons;	Accenture Global Solutions Limited;
2,622	11329819	2022-05-10	2019-11-05	Information processing system, method for changing public key, program, and method for building information processing system	Masao Sakai; Junya Iwazaki; Eisuke Koizumi; Shingo Hasegawa; Shuji Isobe; Masayuki Fukumitsu;	Tohoku University;
2,623	11329825	2022-05-10	2019-12-17	System and method for authenticating user identity	Brian R Gallagher; Darwin R Lo;	Insights Network;
2,624	11329826	2022-05-10	2020-01-08	Blockchain-based communication systems and methods	Darin Myman;	Datchat, Inc.;
2,625	11329828	2022-05-10	2019-10-17	Verification system and method for chaining data	Gwan-Hwan Hwang;	International Trust Machines Corporation;
2,626	11329982	2022-05-10	2018-12-31	Managing internet of things devices using blockchain operations	Ahmad Arash Obaidi; Christopher Spanton;	T-mobile Usa, Inc.;
2,627	11329995	2022-05-10	2019-11-12	Blockchain-based system, and electronic apparatus and method in the system	Zhihui Zhang;	Sony Corporation;
2,628	11330019	2022-05-10	2018-10-17	System and method of decentralized management of device assets outside a computer network	Sathyanarayanan Manamohan; Krishnaprasad Lingadahalli Shastry; Avinash Chandra Pandey; Ravi Sarveswara;	Hewlett Packard Enterprise Development LP;
2,629	11330038	2022-05-10	2021-04-28	Systems and methods for utilizing blockchain for securing browsing behavior information	Deepshikha Bansal;	Verizon Patent and Licensing Inc.;
2,630	11321298	2022-05-03	2020-12-01	Automated merge of DLT networks	Venkatraman Ramakrishna; Praveen Jayachandran; Dushyant K Behl; Vinayaka Pandit; Dileban Karunamoorthy; Ermyas Abebe;	International Business Machines Corporation;
2,631	11321305	2022-05-03	2019-12-11	Utilizing independently stored validation keys to enable auditing of instrument measurement data maintained in a blockchain	Mark C Grandau;	Thermo Electron Scientific Instruments Corporation;
2,632	11321307	2022-05-03	2019-06-25	Orchestrated consensus validation for distributed ledgers using heterogeneous validation pools	Jianping Wang; Soleh Udin Al Ayubi; Rick A Hamilton; Michael N Jacobs;	Optum, Inc.;
2,633	11321308	2022-05-03	2019-12-23	Asset management method and apparatus, and electronic device	Xuebing Yan;	Advanced New Technologies Co., Ltd.;
2,634	11321426	2022-05-03	2018-02-22	Method and system for providing limited distribution of a digital media file	Simon-Pierre Marion;	Scenarex Inc.;
2,635	11321544	2022-05-03	2019-11-08	Fork chain product label and method of use	George Dyche, Jr; Julie Vargas;	Avery Dennison Retail Information Services, LLC;
2,636	11321681	2022-05-03	2017-12-18	Systems and methods for issuing and tracking digital tokens within distributed network nodes	Justin Chapman; Andrew Czupek; Andrew Monks; Anthony Stevens; Arijit Das; Christopher Price; Wayne Hannaway; Zabrina Smith;	Northern Trust Corporation;
2,637	11321710	2022-05-03	2021-01-29	Blockchain smart contract-based data processing	Guilu Xie;	Advanced New Technologies Co., Ltd.;
2,638	11321711	2022-05-03	2019-12-02	Providing apparatus and processing system	Hitoshi Yamakado; Tsuyoshi Kameda; Hiroyuki Kuramoto;	Seiko Epson Corporation;
2,639	11321783	2022-05-03	2021-01-31	Method and device for data processing based on blockchain	Haibin Wang;	Advanced New Technologies Co., Ltd.;
2,640	11323243	2022-05-03	2019-04-05	Zero-knowledge proof for blockchain endorsement	Yanyan Hu; Yuan Yuan; Shengjiao Cao; Angelo De Caro;	International Business Machines Corporation;

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2,641	11323244	2022-05-03	2019-10-03	Method and system for optimizing transaction flow for blockchain mining and confirmation	Chandan Garg; Jaipal Singh Kumawat;	Mastercard International Incorporated;
2,642	11323245	2022-05-03	2019-11-21	Method for linking block-chain using hyper-chain, and apparatus therefor	Donghyeok Lee; Namje Park; In Kyung Kim;	Jeju National University Industry-academic Cooperation Foundation;
2,643	11323260	2022-05-03	2021-01-29	Method and device for identity verification	Zhiwei Wang; Wenbo Yang;	Advanced New Technologies Co., Ltd.;
2,644	11323262	2022-05-03	2019-03-13	Method and system for verifying a voter through the use of blockchain validation	Paul Zawierka;	
2,645	11323264	2022-05-03	2020-07-30	Validating tracked portions of received sensor data using computer cryptographic processing	Al Chakra; Lama Chakra; Bryce Frey; Latrell D Freeman;	International Business Machines Corporation;
2,646	11323271	2022-05-03	2021-08-02	Retrieving public data for blockchain networks using highly available trusted execution environments	Yirong Yu;	Advanced New Technologies Co., Ltd.;
2,647	11323272	2022-05-03	2019-11-26	Electronic identification verification methods and systems with storage of certification records to a side chain	Armin Ebrahimi; Gaurav Khot; Vladimir Reshetnikov; Robert Gadbois;	Ping Identity Corporation;
2,648	11323273	2022-05-03	2018-10-24	System and method for generating a blockchain application for different blockchain technologies	Vivekanand Ramgopal;	Tata Consultancy Services Limited;
2,649	11323457	2022-05-03	2020-06-08	Network topology	Ajith Thekadath; Suman Mukherjee;	Visa International Service Association;
2,650	11323475	2022-05-03	2018-12-29	System and method for detecting replay attack	Guilu Xie;	Advanced New Technologies Co., Ltd.;
2,651	11323530	2022-05-03	2018-06-06	Proxy agents and proxy ledgers on a blockchain	Dilip Krishnaswamy;	International Business Machines Corporation;
2,652	11321282	2022-05-03	2019-05-17	Blockchain cellular system	Bao Tran;	
2,653	11321718	2022-05-03	2020-04-13	Systems and methods for blockchain based identity assurance and risk management	Agasthya P Narendranathan; James M Dzierzanowski;	
2,654	11314564	2022-04-26	2021-06-29	Blockchain event processing method and apparatus	Mingliang Yin;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,655	11314699	2022-04-26	2019-09-04	Single-tier blockchain-based system and method for document transformation and accountability	Edward Wu; Guy Gal; Christopher Dzoba; Jeffrey Judkins; Mark J Stefik; Adriano Castro;	Side, Inc.;
2,656	11314722	2022-04-26	2019-07-16	Systems and methods for blockchain rule synchronization	Ryan Pierce; Ajay Madhavan; Stanislav Liberman; Mansoor Ahmed;	Chicago Mercantile Exchange Inc.;
2,657	11314727	2022-04-26	2017-08-22	Blockchain management apparatus, blockchain management method, and program	Ryo Furukawa;	Nec Corporation;
2,658	11314729	2022-04-26	2020-02-20	Multi-candidate data structure for transaction validation	Shin Saito;	International Business Machines Corporation;
2,659	11314754	2022-04-26	2020-03-11	Data processing method, apparatus, and device	Haizhen Zhuo; Honglin Qiu;	Advanced New Technologies Co., Ltd.;
2,660	11314763	2022-04-26	2020-02-24	Off-chain functionality for data contained in blocks of blockchain	Stephen Opferman; William R Benassi; James P Gately;	Centurylink Intellectual Property LLC;

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2,661	11314813	2022-04-26	2019-12-26	Apparatus for guaranteeing integrity of state database in blockchain-based environment and method thereof	Young Woon Kwon; Sang Jun Kang; Jun Tae Kim; Young Yoo Heo;	Samsung Sds Co., Ltd.;
2,662	11314847	2022-04-26	2017-10-04	Method for electronically documenting license information	Martin Holland; Nobert Lotter;	Prostep Ag;
2,663	11314879	2022-04-26	2020-02-24	Method for generating and storing a digital copy of a motor vehicle	Sebastian Söhner;	Dr. Ing. H.c. F. Porsche Aktiengesellschaft;
2,664	11314885	2022-04-26	2021-03-04	Cryptographic data entry blockchain data structure	Steven Teel; Michael Felker;	Rubidex, LLC;
2,665	11314891	2022-04-26	2019-03-25	Method and system for managing access to personal data by means of a smart contract	Christine Hennebert; Laurent-Frederic Ducreux; Matthieu Volat;	Commissariat a L'energie Atomique Et Aux Energies Alternatives;
2,666	11315109	2022-04-26	2021-01-25	Transaction processing method and apparatus	Mingshu Lin;	Advanced New Technologies Co., Ltd.;
2,667	11315110	2022-04-26	2017-12-27	Private resource discovery and subgroup formation on a blockchain	Praveen Jayachandran; Apurva Kumar; Venkatraman Ramakrishna;	International Business Machines Corporation;
2,668	11315111	2022-04-26	2019-12-19	Methods and devices for testing signature verification for blockchain system	Yu Ma;	Advanced New Technologies Co., Ltd.;
2,669	11315112	2022-04-26	2019-05-07	Blockchain data processing method, apparatus, device, and system	Xuming Lu; Hushen Wang;	Advanced New Technologies Co., Ltd.;
2,670	11315115	2022-04-26	2020-05-15	Blockchain-based data processing system, method, computing device and storage medium	Fan Zhou;	Advanced New Technologies Co., Ltd.;
2,671	11315120	2022-04-26	2019-08-29	Implementing a marketplace for risk assessed smart contracts issuers and execution providers in a blockchain	Killian Levacher; Stefano Braghin; Emanuele Ragnoli; Gokhan Sagirlar;	International Business Machines Corporation;
2,672	11315185	2022-04-26	2021-10-29	Blockchain instrument for transferable equity	Thomas Marshall Gordon, III; Gregory Frederick Bush;	Equity Shift, Inc.;
2,673	11315193	2022-04-26	2020-02-12	Systems and methods for implementing a decentralized insurance platform using smart contracts and multiple data sources	Michael Sungjun Kim;	Blueowl, LLC;
2,674	11315369	2022-04-26	2018-03-23	Blockchain configuration history for vehicle maintenance, modification, and activity tracking	Nicholas William Jones;	The Boeing Company;
2,675	11315666	2022-04-26	2019-05-24	Blockchain-based data processing method and device	Shifeng Wang;	Advanced New Technologies Co., Ltd.;
2,676	11316657	2022-04-26	2019-04-04	User device and electronic device for sharing data based on block chain and homomorphic encryption technology and methods thereof	Jung Hee Cheon; Dongwoo Kim;	Crypto Lab Inc.;
2,677	11316659	2022-04-26	2018-10-19	Primary and secondary blockchain device	Douwe van de Ruit; Nikos Moustakas;	Koninklijke Kpn N.v.;
2,678	11316663	2022-04-26	2019-01-25	One-time password with unpredictable moving factor	Narayana Aditya Madineni; Leigh Stuart McLean; Michael Wallace Gray; James Evans;	International Business Machines Corporation;
2,679	11316668	2022-04-26	2019-11-15	Methods and systems for cryptographic private key management for secure multiparty storage and transfer of information	Jurgen Schouppe;	Safetech Bv;
2,680	11316669	2022-04-26	2020-10-16	Audit result data storage method and device, audit result data query method and device, and audit item storage method and device	Dongyan Wang; Maocai Li; Bo Li; Haitao Tu;	Tencent Technology (shenzhen) Company Limited;

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2,681	11316690	2022-04-26	2021-08-27	Blockchain token-based cloud orchestration architecture for discrete virtual network instances	Vijay Madisetti; Arshdeep Bahga;	
2,682	11316699	2022-04-26	2021-07-23	Method for authenticating user contactlessly based on decentralized identifier using verifiable credential and authentication supporting server using the same	Joon Sun Uhr; Moon Gju Suh; Joo Han Song;	Coinplug, Inc.;
2,683	11316700	2022-04-26	2021-09-04	Distributed ledger-based ad-hoc system, apparatus and method	Oliver Michaelis; Mike Ball; Charles Andrew Hugh Baker; Peter Alexander Carides;	Beyond Aerospace Ltd.;
2,684	11316850	2022-04-26	2020-04-09	Block-chain enabled service provider system	Christoph Jentzsch; Simon Jentzsch; Stéphane Tual;	Bc Development Labs Gmbh;
2,685	11316852	2022-04-26	2019-10-04	System and method for secure onboarding of network devices	Bradley Richard Ree; Gary Bernard Jabara;	Ioxt, LLC;
2,686	11316921	2022-04-26	2021-06-30	Block synchronization methods and apparatuses	Chao Zeng; Jiang Wang; He Sun;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,687	11316933	2022-04-26	2021-06-24	Service meshes and smart contracts for zero-trust systems	Vijay Madisetti; Arshdeep Bahga;	
2,688	11314749	2022-04-26	2018-10-03	Blockchain implementing reliability database	Kohichi Kamijoh;	International Business Machines Corporation;
2,689	11307775	2022-04-19	2021-03-30	Distributed storage of custom clearance data	Hui Fang; Shengjiao Cao; Weitao Yang;	Alipay Labs (singapore) Pte. Ltd.;
2,690	11307790	2022-04-19	2019-09-18	Method, device, and computer program product for managing data placement	Zhenzhen Lin; Pengfei Wu; Si Chen; Anzhou Hou;	Emc IP Holding Company LLC;
2,691	11307835	2022-04-19	2018-07-05	Method for controlling the flow execution of a generated script of a blockchain transaction	Craig Steven Wright; Stephane Savanah;	Nchain Holdings Limited;
2,692	11307927	2022-04-19	2021-04-12	Indexing and recovering encoded blockchain data	Haizhen Zhuo;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,693	11308184	2022-04-19	2019-12-09	Video game integration of cryptographically secured digital assets	Christopher Andon; Matthew Davis; Hien Tommy Pham; Jeremy Schroeder;	Nike, Inc.;
2,694	11308198	2022-04-19	2020-12-22	Blockchain-based credential vault system (CVS)	Wang-Chan Wong; Howard Lee;	Lucas Gc Limited;
2,695	11308223	2022-04-19	2019-11-07	Blockchain-based file handling	Yu Lin Zhai; Zi Jian Ji; Si Heng Sun; Yuan Yuan Li; Xiao Lu Wang; Yue Zhang;	Kyndryl, Inc.;
2,696	11308448	2022-04-19	2018-04-12	Intelligent employment-based blockchain	Michal Knas; Jiby John; Krzysztof Gibadlo; Rick Ferry;	Massachusetts Mutual Life Insurance Company;
2,697	11308460	2022-04-19	2018-09-26	Method and system for multi-account check processing via blockchain	Ankur Arora; Rakesh Patel; Aditya Koduri;	Mastercard International Incorporated;
2,698	11308484	2022-04-19	2019-02-08	System and method for secure storage of digital currencies and making transactions in a blockchain network	Aleksey Sergeevich Smirnov;	
2,699	11308486	2022-04-19	2017-02-16	Method and system for the secure transfer of entities on a blockchain	Craig Steven Wright; Stephane Savanah;	Nchain Holdings Limited;
2,700	11308487	2022-04-19	2019-11-18	System, method and program product for obtaining digital assets	Duncan Carl Cock Foster; Griffin Cock Foster; Cameron Howard Winklevoss; Tyler Howard Winklevoss;	Gemini Ip, LLC;

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2,701	11308488	2022-04-19	2019-06-12	Device, method, and computer readable medium for large scale electronic processing	Warren Pennington; John Evans; Ryan Lovell;	The Vanguard Group, Inc.;
2,702	11308559	2022-04-19	2021-08-13	Blockchain instrument for transferable equity	Thomas Marshall Gordon, III; Joseph W Forbes, Jr; Gregory Frederick Bush;	Equity Shift, Inc.;
2,703	11308761	2022-04-19	2020-04-01	Ticketing systems on a distributed ledger	Nimish Purohit; Eric Taylor; Scott Dickerson;	Aristocrat Technologies, Inc.;
2,704	11310031	2022-04-19	2017-07-21	Blockchain-implemented method and system	Stephane Vincent; Craig Steven Wright;	Nchain Licensing Ag;
2,705	11310032	2022-04-19	2019-03-28	System and method for parallel-processing blockchain transactions	Guilu Xie; Ning Xia;	Advanced New Technologies Co., Ltd.;
2,706	11310051	2022-04-19	2020-01-31	Blockchain-based data authorization method and apparatus	Changzheng Wei; Ying Yan; Hui Zhang; Yujun Peng;	Advanced New Technologies Co., Ltd.;
2,707	11310052	2022-04-19	2018-07-31	Identity authentication blockchain	Natalie Keogh; Loren Heiman; Daniel Swislow; Brian John Mullins;	Block, Inc.;
2,708	11310060	2022-04-19	2019-02-15	Atomic cross-chain swaps using equivalent secret values	Andrew Poelstra; Jonas Nick;	Blockstream Corporation;
2,709	11310234	2022-04-19	2017-11-16	Securing permissioned blockchain network from pseudospoofing network attacks	Sloane Brakeville; Nitin Gaur;	International Business Machines Corporation;
2,710	11310305	2022-04-19	2021-08-05	Systems and methods for locating microserver nodes in proximity to edge devices using georouting	James A Thomason;	Edjx, Inc.;
2,711	11310311	2022-04-19	2020-01-20	Media obfuscation	Yedendra Shrinivasan;	International Business Machines Corporation;
2,712	11310321	2022-04-19	2019-02-01	Methods and devices for establishing communication between nodes in blockchain system	Yitong Qi; Jiang Wang;	Advanced New Technologies Co., Ltd.;
2,713	11310719	2022-04-19	2020-01-29	Peer-to-peer self-organizing mobile network	Alfred F Boschulte; Victor Schnee;	
2,714	11308030	2022-04-19	2020-03-05	Log-structured merge-tree with blockchain properties	Jeronimo Irazabal;	International Business Machines Corporation;
2,715	11308121	2022-04-19	2019-11-01	Method and system for cell operations using a blockchain data network	Howard Cannon; Thomas Forest Farb;	Thrive Bioscience, Inc.;
2,716	11308461	2022-04-19	2015-11-10	Systems and methods for tracking and transferring ownership of connected devices using blockchain ledgers	Perry Aaron Jones Haldenby; Rajan Mahadevan; John Jong Suk Lee; Paul Mon-Wah Chan; Orin Del Vecchio;	The Toronto-dominion Bank;
2,717	11310044	2022-04-19	2019-06-25	Authenticate transactions of secured file in blockchain	Abhijit Keskar;	Innoplexus Ag;
2,718	11301222	2022-04-12	2021-06-23	Method for executing smart contract, blockchain node, and storage medium	Ying Yan; Changzheng Wei; Xuepeng Guo;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,719	11301233	2022-04-12	2019-08-30	Permission-controlled smart contract upgrade method based on smart contract	Wei Li; Weiwei Qiu; Keting Yin; Qilei Li; Jialei Rong; Zhiqiang Wu;	Hangzhou Qulian Technology Co., Ltd.;
2,720	11301429	2022-04-12	2020-01-02	Shared document editing in the blockchain	Paul R Bastide; Jonathan Dunne; Liam Harpur; Robert E Loredo;	International Business Machines Corporation;

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2,721	11301452	2022-04-12	2018-10-09	Storing and verification of derivative work data on blockchain with original work data	Michael Chan; Derek Chamorro; Arpit Jain; Venkata Siva Vijayendra Bhamidipati;	Ebay, Incorporated;
2,722	11301459	2022-04-12	2019-07-24	Method and system for data localization-compliant blockchain processing and storage	Jaipal Singh Kumawat; Gurpreet Atwal; Chandan Garg;	Mastercard International Incorporated;
2,723	11301460	2022-04-12	2020-01-23	Platform for creating and using actionable non-fungible tokens (KNFT)	John David Rich; Cameron Bale; Andrew Maizels; Andrew Horn; Angela Ung; Fagner Lordello;	Peoplebrowsr Inc.;
2,724	11301463	2022-04-12	2021-10-08	Multi-version database management system	Paul Richard Gauvreau, Jr; Cassidy Jacob Mountjoy;	Blockpoint Systems Inc.;
2,725	11301582	2022-04-12	2020-05-13	Personal information management device, system, method and computer-readable non-transitory medium therefor	Jae Young Lee;	Snplab Inc.;
2,726	11301590	2022-04-12	2018-09-05	Unfalsifiable audit logs for a blockchain	Jan L Camenisch; Maria Dubovitskaya; Manu Drijvers;	International Business Machines Corporation;
2,727	11301602	2022-04-12	2019-11-13	Simulation-based testing of blockchain and other distributed ledger systems	Tarun Chitra; Rei Chiang;	Gauntlet Networks, Inc.;
2,728	11301619	2022-04-12	2021-03-15	System and method for transforming a contract into a digital contract	Sudeep Choudhari; Pvs Chanakya Yadav; Prem Manoj Mehta; Aditi Yaduvanshi; Shreshtha Mitra;	Zensar Technologies Limited;
2,729	11301843	2022-04-12	2019-06-11	System and method for blockchain based document processing	William Su; Jia Zhang;	Toshiba Tec Kabushiki Kaisha;
2,730	11301845	2022-04-12	2019-08-19	Cryptoasset custodial system with proof-of-stake blockchain support	Diogo Monica; Nathan P McCauley; Boaz Avital; Riyaz D Faizullabhoy;	Anchor Labs, Inc.;
2,731	11301933	2022-04-12	2017-12-28	Method for providing united point service using updated status of balance database with blockchain and server using the same	Joon Sun Uhr; Jay Wu Hong; Joo Han Song;	Coinplug, Inc.;
2,732	11301936	2022-04-12	2018-03-02	Using a distributed ledger for total loss management	William J Leise; Jacob J Alt; Jaime Skaggs; Eric Bellas; Shawn M Call; Eric R Moore; Melinda Teresa Magerkurth; Vicki King;	State Farm Mutual Automobile Insurance Company;
2,733	11301948	2022-04-12	2019-04-01	Parking continuity with unused duration between automated vehicles	Komminist Weldemariam; Isaac Markus Serfaty; Michael S Gordon; James R Kozloski; Shikhar Kwatra;	International Business Machines Corporation;
2,734	11303430	2022-04-12	2021-06-18	Byzantine fault tolerance algorithm-based blockchain consensus method, apparatus, and system	Xiaojun Liao;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,735	11303442	2022-04-12	2018-10-09	Blockchain notification board storing blockchain resources	Futoshi Iwama; Takaaki Tateishi; Shunichi Amano; Sachiko Yoshihama;	International Business Machines Corporation;
2,736	11303443	2022-04-12	2019-11-12	Electronic system to enable rapid acquisition and delivery of services and to provide strong protection of security and privacy	Wenming Kuai; Joshua Solomon Rappaport; Fuzhen Li;	Gbti Solutions;
2,737	11303445	2022-04-12	2019-03-27	Method and system of preserving privacy for usage of lightweight blockchain clients	Sinisa Matetic; Karl Wuest; Moritz Schneider; Kari Kostiainen; Ghassan Karame; Srdjan Capkun;	Nec Corporation;
2,738	11303446	2022-04-12	2020-04-09	Prevention of majority attacks	Vijender Koorella; Daniel Pacheco; Richard Daniel Gunjal; Ching-Yun Chao;	International Business Machines Corporation;
2,739	11303448	2022-04-12	2019-08-26	Decentralized federated learning system	Luca Schiatti; Anh-Dung Le; Giuseppe Giordano; Haris Pasic;	Accenture Global Solutions Limited;
2,740	11303457	2022-04-12	2020-03-30	Techniques for processing transactions of order-dependent blockchain protocols	Yehuda Jay Berg;	Protoblock, Inc.;

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2,741	11303707	2022-04-12	2019-08-14	Internet of things sanitization system and method of operation through a blockchain network	Joelle Adler; Jose Rosas;	
2,742	11303733	2022-04-12	2020-10-28	Server apparatus, client apparatus, and data processing system	Yusuke Hoshizuki;	Axell Corporation;
2,743	11301856	2022-04-12	2018-05-24	Method and system for transaction authorization via controlled blockchain	Jaipal Singh Kumawat; Komalpreet Kaur; Vipul Mehrotra; Ved Pratap Singh Chauhan;	Mastercard International Incorporated;
2,744	11294727	2022-04-05	2019-03-26	Resolving cryptographic bottlenecks for distributed multi-signature contracts shared with cryptographic accelerators by switching between local and accelerator cryptographic libraries	Emanuele Ragnoli; Mustafa Rafique; John Sheehan; Kevin Reilly;	International Business Machines Corporation;
2,745	11294875	2022-04-05	2020-01-30	Data storage on tree nodes	Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
2,746	11294881	2022-04-05	2019-12-12	Log-structured storage systems	Shikun Tian;	Advanced New Technologies Co., Ltd.;
2,747	11294888	2022-04-05	2017-11-23	Blockchain system and blockchain transaction data processing method based on ethereum	Yiming Wu; Qingshan Gu;	Ping an Technology (shenzhen) Co., Ltd.;
2,748	11294991	2022-04-05	2017-05-12	Method and system for verifying ownership of a digital asset using a distributed hash table and a peer-to-peer distributed ledger	Stephane Savanah; Craig Steven Wright;	Nchain Holdings Limited;
2,749	11294999	2022-04-05	2020-07-10	Technologies for authorizing, authenticating, and granting exceptional access to an electronic device or account	Daniel J Dubeau;	Barlea Corporation;
2,750	11295296	2022-04-05	2018-08-30	Digital contracts in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
2,751	11295303	2022-04-05	2019-08-05	Method, apparatus and electronic device for blockchain transactions	Wenbin Zhang; Lichun Li; Baoli Ma; Zheng Liu; Shan Yin;	Advanced New Technologies Co., Ltd.;
2,752	11295318	2022-04-05	2020-05-14	Systems and methods for provisioning cryptographic digital assets for blockchain-secured retail products	Christopher Andon; Hien Tommy Pham;	Nike, Inc.;
2,753	11295359	2022-04-05	2018-05-29	Nested conditions for blockchain-enforced contracts	Brian John Mullins; Kay Sueru Feker; Steffano Santiago Chavez; Michael Andrew Tomkins; Nicole Antonio Maulino; Ryan Yi-Lin Tai;	Block, Inc.;
2,754	11295402	2022-04-05	2018-03-28	Blockchain-based property repair	Sasidhar Purushothaman; Suki Ramasamy;	Bank of America Corporation;
2,755	11296863	2022-04-05	2018-01-04	Blockchain enterprise data management	Ann Charlot Hunaes Harvey;	Bank of America Corporation;
2,756	11296864	2022-04-05	2018-05-16	Identifying faults in a blockchain ordering service	Pralhad Dinesh Deshpande; Proshanta Sarkar; Santanu Mitra; Sudip Dutta;	International Business Machines Corporation;
2,757	11296865	2022-04-05	2019-08-16	Cryptographic algorithm status transition	Phillip H Griffin; Jeffrey J Stapleton;	Wells Fargo Bank, N.a.;
2,758	11296937	2022-04-05	2020-09-25	Decentralized data storage and processing for IoT devices	Keith Nolan; Mark Kelly; Michael Nolan; Davide Carboni; John Brady; Niall Cahill; Ned M Smith; Gregory Burns;	Intel Corporation;
2,759	11297022	2022-04-05	2021-02-25	Messaging systems and methods that employ a blockchain to ensure integrity of message delivery	Tal Golan;	Salesforce.com, Inc.;
2,760	11297029	2022-04-05	2019-10-02	System and method for unified multi-channel messaging with block-based datastore	Rahul Nair; Sandhiya Banu Mailai Udayakumar;	Paypal, Inc.;

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2,761	11297041	2022-04-05	2018-12-12	Security-enhanced origination of blockchain transactions	Silvia Bartolucci; Pauline Bernat; Daniel Joseph;	Nchain Licensing Ag;
2,762	11297064	2022-04-05	2019-10-07	Blockchain authentication via hard/soft token verification	Luis Angel D Bathen; Gabor Madl; Ramani Routray;	International Business Machines Corporation;
2,763	11297069	2022-04-05	2020-01-28	Utilizing blockchains to implement named data networking	Kevin M McBride; Stephen Opferman; Steven M Casey; William O'Brien, Jr;	Centurylink Intellectual Property LLC;
2,764	11297500	2022-04-05	2020-04-15	Authenticating digital evidence	Shweta Jain;	Research Foundation of the City University of New York;
2,765	11296866	2022-04-05	2020-01-03	Dynamic transform in blockchain header validation	Edward L Rodriguez De Castro; Sagar V Reddy;	Blockchain Asics LLC;
2,766	11296873	2022-04-05	2018-06-04	Methods and systems to establish trusted peer-to-peer communications between nodes in a blockchain network	Giuseppe Destefanis; Simone Madeo; Patrick Motylinski; Stephane Vincent;	Nchain Licensing Ag;
2,767	11296887	2022-04-05	2019-08-02	Blockchain mechanism for safety-critical systems	Kelsey L Bruso; Kevin Flanders;	Unisys Corporation;
2,768	11297043	2022-04-05	2020-07-16	Cryptographic datashare control for blockchain	David Treat; John Velissarios; Teresa Sheausan Tung; Luiz Pizzato; Deborah Garand; Atieh Ranjbar Kermany; Chia Jung Chang; Arjun Sitaraman Krishnan;	Accenture Global Solutions Limited;
2,769	11288247	2022-03-29	2021-05-12	Blockchain based hierarchical data storage	Zhonghao Lu; Haizhen Zhuo; Benquan Yu;	Advanced New Technologies Co., Ltd.;
2,770	11288280	2022-03-29	2019-11-14	Systems, methods, and apparatuses for implementing consumer data validation, matching, and merging across tenants with optional verification prompts utilizing blockchain	Prithvi Krishnan Padmanabhan; Lik Mui;	Salesforce.com, Inc.;
2,771	11288345	2022-03-29	2021-05-26	Identifying copyrighted material using embedded timestamped copyright information	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
2,772	11288371	2022-03-29	2021-06-25	Blockchain-based data processing method, apparatus, and device	Wenyu Yang; Honglin Qiu; Ying Yan; Shubo Li; Hanghang Wu; Yuan Chen; Renhui Yang; Qin Liu;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,773	11288380	2022-03-29	2019-10-14	Securely sharing selected fields in a blockchain with runtime access determination	Dinesh Kumar; David Joseph Haimes; Todd Jeffery Little;	Oracle International Corporation;
2,774	11288641	2022-03-29	2019-03-25	Vehicle value as a token	Mathew D Gardner; Shravanthi Denthumdas;	Toyota Motor North America, Inc.;
2,775	11288665	2022-03-29	2019-08-23	TAAS for delay tolerant blockchain networks	Pramita Mitra; Yifan Chen; Abhishek Sharma; Eric H Wingfield; James Fishelson;	Ford Global Technologies, LLC;
2,776	11288736	2022-03-29	2019-04-02	Blockchain-based shared appreciation note	David Jette; Brett Markinson;	Homium, LLC;
2,777	11288740	2022-03-29	2017-12-29	Securing distributed electronic wallet shares	Michael Nolan; Davide Carboni; Ned M Smith;	Intel Corporation;
2,778	11288759	2022-03-29	2021-01-15	Systems and methods to provide sharing of benefits amongst a group of users based on gains from distribution rights pertaining to digital assets	John Linden; Rudy Koch;	Mythical, Inc.;
2,779	11290255	2022-03-29	2020-03-27	Verifying an identity based on multiple distributed data sources using a blockchain to safeguard the identity	Sri Krishnamacharya; Quang Le; Stan Tigrett; Russ Ayres;	Equifax Inc.;
2,780	11290256	2022-03-29	2021-03-24	Blockchain-based advertisement monitoring method and apparatus, and electronic device	Jiankang Sun; Feng Lin;	Advanced New Technologies Co., Ltd.;

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2,781	11290280	2022-03-29	2019-05-28	Cryptocurrency mining using a single-leader election algorithm	Jude Nelson; Aaron Blankstein;	Hiro Systems Pbc;
2,782	11290281	2022-03-29	2019-02-14	Asset management method and apparatus, and electronic device	Xuebing Yan;	Advanced New Technologies Co., Ltd.;
2,783	11290287	2022-03-29	2021-05-24	Digital certificate management method, apparatus, and system	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
2,784	11290294	2022-03-29	2019-10-04	Collaboration hub with blockchain verification	Boris Greven; Frank Albrecht;	Sap Se;
2,785	11290324	2022-03-29	2017-12-28	Blockchains for securing IoT devices	Ned M Smith; Keith Nolan; Mark Kelly; Michael Nolan; John Brady; Thiago Macieira; Zheng Zhang; Glen J Anderson; Igor Muttik;	Intel Corporation;
2,786	11290441	2022-03-29	2019-12-20	Systems and methods for blockchain validation of user identity and authority	Brian Mark Fields; Lee Marvin John Assam;	State Farm Mutual Automobile Insurance Company;
2,787	11288669	2022-03-29	2021-04-26	Frictionless token based blockchain	Paul Dohyung Kim;	Project Noa, Inc.;
2,788	11291077	2022-03-29	2019-11-25	Internet of things sensor major and minor event blockchain decisioning	Lisa Seacat DeLuca; Joseph G Berti;	International Business Machines Corporation;
2,789	11281489	2022-03-22	2021-05-04	System and method for registering subscribable sub-states in blockchain	Rubing Shi; Yayang Guan;	Advanced New Technologies Co., Ltd.;
2,790	11281633	2022-03-22	2021-06-01	System and method for information storage using blockchain databases combined with pointer databases	Avery Glasser;	
2,791	11281644	2022-03-22	2017-07-28	Blockchain logging of data from multiple systems	Atsushi Shimamura;	Hitachi, Ltd.;
2,792	11281658	2022-03-22	2019-04-15	Trustless stateless incentivized remote node network using minimal verification clients	Christoph Jentzsch; Steffen Kux; Simon Jentzsch; Jean Paul Ruiz Depraz;	Bc Development Labs Gmbh;
2,793	11281661	2022-03-22	2019-09-05	Blockchain-based data processing method and device	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
2,794	11281751	2022-03-22	2020-09-04	Digital asset traceability and assurance using a distributed ledger	Roberto Salomon;	Oracle International Corporation;
2,795	11281796	2022-03-22	2018-06-13	Blockchain based information management	James Pratt; Nigel Bradley; Eric Zavesky; Nikhil Marathe; Timothy Innes;	At&t Intellectual Property I, L.p.;
2,796	11281805	2022-03-22	2017-10-25	Distributed blockchain-based method for saving the location of a file	Bruno Lowagie;	Itext Group Nv;
2,797	11282076	2022-03-22	2018-12-14	Transaction account data maintenance using blockchain	Faraz Babar; Aimee Cardwell; Andras L Ferenczi; Dallas Gale; Nilesh Yashavant Jadhav; Ashish Kumar; Harish R Naik; Lavanya Venkatanarayanan;	American Express Travel Related Services Company, Inc.;
2,798	11282123	2022-03-22	2018-03-29	Methods and systems for providing media asset recommendations based on distributed blockchain analysis	Todd Dietz; Jared Grove; Evangeline Castaneda; Brandon Conley;	Rovi Guides, Inc.;
2,799	11282139	2022-03-22	2018-03-13	Systems, methods, and program products for verifying digital assets held in a custodial digital asset wallet	Cameron Howard Winklevoss; Tyler Howard Winklevoss; Eric Winer; Daniel William Halley James;	Gemini Ip, LLC;
2,800	11282612	2022-03-22	2020-01-10	Systems, devices, and methods for internet of things integrated automation and control architectures	Vincenzo Lombardi; Franco Petrucci;	Metafyre Inc.;

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2,801	11283594	2022-03-22	2019-06-05	Context data update in a blockchain network	Joel Viale; Zsolt Szalai;	International Business Machines Corporation;
2,802	11283596	2022-03-22	2019-10-01	API request and response balancing and control on blockchain	Shyamala Chalakudi; Ming Yin;	American Express Travel Related Services Company, Inc.;
2,803	11283597	2022-03-22	2020-12-23	Blockchain technology	Chikafumi Yasumoto; Yutaka Oishi; Munetaka Ohtani; Jiayun Zhu; Kumiko Maeda;	International Business Machines Corporation;
2,804	11283616	2022-03-22	2020-03-25	Method for index-based and integrity-assured search in a blockchain	Jianliang Xu; Ce Zhang; Cheng Xu;	Hong Kong Baptist University;
2,805	11283617	2022-03-22	2020-04-07	Systems and methods for state of data management	Fortune Vieyra;	Zanthum Corporation;
2,806	11283622	2022-03-22	2021-07-02	Signature verification for a blockchain ledger	Xinying Yang; Benquan Yu; Yuan Zhang; Yize Li;	Advanced New Technologies Co., Ltd.;
2,807	11283627	2022-03-22	2021-05-18	Method and apparatus for generating blockchain transaction	Xiaofeng Zhu;	Advanced New Technologies Co., Ltd.;
2,808	11283634	2022-03-22	2018-12-29	System and method for detecting replay attack	Guilu Xie;	Advanced New Technologies Co., Ltd.;
2,809	11283673	2022-03-22	2019-01-07	Blockchain endorsement verification	Ryo Kawahara;	International Business Machines Corporation;
2,810	11283859	2022-03-22	2021-04-20	System, method, and computer program for performing distributed outsourced computing	Vladimir Tkach; Yuri Kroz;	Amdocs Development Limited;
2,811	11283865	2022-03-22	2021-05-06	Service meshes and smart contracts for zero-trust systems	Vijay Madisetti; Arshdeep Bahga;	
2,812	11283957	2022-03-22	2019-07-09	Manage and perform job based on blockchain in image forming device	Sejong Kim; Hyun-woo Yoo; Min Namgoong; Jung-Hun Kim; Hyeonin Jeong;	Hewlett-packard Development Company, L.p.;
2,813	11273022	2022-03-15	2018-06-06	Oral appliance in a blockchain system	Peter John Zegarelli;	Emanate Biomedical, Inc.;
2,814	11275564	2022-03-15	2020-09-04	Decentralized random number generator	Xiaohu Chen;	Moac Blockchain Tech Inc.;
2,815	11275814	2022-03-15	2021-08-02	Recording ledger data on a blockchain	Xinying Yang;	Advanced New Technologies Co., Ltd.;
2,816	11275859	2022-03-15	2020-02-17	Preservation of privacy in large datasets	Yedendra Shrinivasan; Krishna Chaitanya Ratakonda; Rak-Joon Choi;	International Business Machines Corporation;
2,817	11276056	2022-03-15	2018-08-30	Digital contracts in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
2,818	11276060	2022-03-15	2020-07-24	Transferring operations based on blockchain smart contract	Yitong Qi;	Advanced New Technologies Co., Ltd.;
2,819	11276092	2022-03-15	2019-08-26	Providing device, processing system, and communication method	Hitoshi Yamakado; Tsuyoshi Kameda; Hiroyuki Kuramoto;	Seiko Epson Corporation;
2,820	11276131	2022-03-15	2019-09-30	Property management system utilizing a blockchain network	Yanpeng Li;	Advanced New Technologies Co., Ltd.;

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2,821	11277260	2022-03-15	2019-09-17	Off-chain notification of updates from a private blockchain	Sayandeep Sen; Palanivel Andiappan Kodeswaran; Dushyant K Behl; Venkatraman Ramakrishna;	International Business Machines Corporation;
2,822	11277261	2022-03-15	2018-09-21	Blockchain-based tracking of program changes	Michael F Angelo; Lloyd Leon Burch; Baha Masoud;	Netiq Corporation;
2,823	11277411	2022-03-15	2018-12-13	Data protection and privacy regulations based on blockchain	Xun Sun; Jianmin Xue;	Sap Se;
2,824	11277449	2022-03-15	2019-05-03	Adaptive distributive data protection system	Gregsie Leighton; Julius Bernotas; Vaidotas Simaitis;	Virtustream IP Holding Company LLC;
2,825	11277497	2022-03-15	2020-07-23	System for storing, processing, and accessing medical data	Tim Donald Johnson;	
2,826	11269540	2022-03-08	2019-02-27	Method, apparatus, and computer program product for managing application system	Yizhou Zhou; Simon Yuting Zhang;	Emc IP Holding Company LLC;
2,827	11269839	2022-03-08	2019-03-15	Authenticated key-value stores supporting partial state	Victor Cacciari Miraldo; Harold Carr; Maurice P Herlihy; Alex Kogan; Mark Sean Moir;	Oracle International Corporation;
2,828	11269842	2022-03-08	2017-05-09	Data storage layer index for efficient information retrieval	Guanyi Sun; Bin Xie; Guo Ma;	Accenture Global Solutions Limited;
2,829	11269849	2022-03-08	2020-06-15	Systems and methods for analyzing vehicle sensor data via a blockchain	William J Leise; Jacob J Alt; Jaime Skaggs; Eric Bellas; Shawn M Call; Eric R Moore; Melinda Teresa Magerkurth; Vicki King;	State Farm Mutual Automobile Insurance Company;
2,830	11269858	2022-03-08	2019-03-26	Information management in a decentralized database including a fast path service	Dinesh C Verma; Donna N Dillenberger; Martin Oberhofer; Namik Hrle;	International Business Machines Corporation;
2,831	11269863	2022-03-08	2020-01-23	Index structure for blockchain ledger	Woong Ah Yoon; Alex Xingqi Casella; Bonnie Ishiguro; Jingzhan Zhang;	International Business Machines Corporation;
2,832	11269864	2022-03-08	2021-03-23	Blockchain data storage based on shared nodes and error correction code	Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
2,833	11269916	2022-03-08	2018-07-12	Blockchain-based data processing method and device	Hao Wu;	Advanced New Technologies Co., Ltd.;
2,834	11270004	2022-03-08	2021-01-29	Blockchain-based transaction privacy	Lichun Li; Wenbin Zhang;	Advanced New Technologies Co., Ltd.;
2,835	11270017	2022-03-08	2018-10-16	Selective exchange of transaction data	Varun Ojha; Praveen Jayachandran;	International Business Machines Corporation;
2,836	11270030	2022-03-08	2020-10-30	System and method for consensus management	Wenlong Yang; Yujun Peng;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,837	11270238	2022-03-08	2019-01-28	Utilizing blockchain technology with mobile robotic machines	Todd Russell Whitman; Johannes Jaco Liebenberg; Guillaume Hoareau;	Kyndryl, Inc.;
2,838	11270245	2022-03-08	2019-08-07	System and method for forecasting deliveries via blockchain smart contracts	Tarun Dasari; Aditya Reddy Cheruku; Anand Banik; Sumanth B Talasila; Kishore P Sasthiri; Murthy N Kolluru;	Walmart Apollo, LLC;
2,839	11270263	2022-03-08	2017-05-04	Blockchain-based crowdsourced initiatives tracking system	Shahid N Shah;	Netspective Communications LLC;
2,840	11270271	2022-03-08	2019-02-22	Digital securitization, obfuscation, policy and commerce of event tickets	Sanzib Khaund;	Live Nation Entertainment, Incorporated;

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2,841	11270276	2022-03-08	2018-01-22	Systems and methods for blockchain-based payments	Melinda Teresa Magerkurth; Eric Bellas; Jaime Skaggs; Shawn M Call; Eric R Moore; Vicki King; Burton J Floyd; David Turrentine; Steven T Olson; Timothy Caleb Wells; Corin Rebekah Chapman; Edward W Breitweiser; Robert Gomez; Shelia Cummings Smith;	State Farm Mutual Automobile Insurance Company;
2,842	11270296	2022-03-08	2018-11-09	Protection of data trading	Guang Han Sui; Peng Hui Jiang; Qin Li; Jian Hua Zhang; Zhi Jun Wang; Xiao Guang Song; Wu Gen Zhan; Yong Wu;	International Business Machines Corporation;
2,843	11270300	2022-03-08	2017-08-25	Decentralized computer systems and methods for efficient transaction dispute management using blockchain	Ramesh Vijayaraghavan;	Worldpay Limited;
2,844	11270306	2022-03-08	2019-02-14	Asset management method and apparatus, and electronic device	Xuebing Yan;	Advanced New Technologies Co., Ltd.;
2,845	11270307	2022-03-08	2019-05-29	Blockchain-based transaction processing method and apparatus, and electronic device	Jiyuan Wang; Huabing Du; Xuebing Yan;	Advanced New Technologies Co., Ltd.;
2,846	11270308	2022-03-08	2021-07-02	Shared blockchain data storage	Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
2,847	11270388	2022-03-08	2021-02-01	Blockchain-based data processing method and apparatus	Sui Ma;	Advanced New Technologies Co., Ltd.;
2,848	11271716	2022-03-08	2021-01-28	Blockchain-based data management of distributed binary objects	Irene Wong Woerner; Ronald Chi King Kong;	Emtruth, Inc.;
2,849	11271717	2022-03-08	2019-02-20	Blockchain consensus methods and systems	Runting Shi; Rafael Pass; Yue Guo;	Thunder Token Inc.;
2,850	11271724	2022-03-08	2020-02-21	One-time-pad encryption system and methods	Will Ragan;	Quantum Lock, Inc.;
2,851	11271729	2022-03-08	2018-12-12	System and method for multi-party generation of blockchain-based smart contract	Alexandra Covaci; Simone Madeo; Patrick Motylinski; Stephane Vincent;	Nchain Licensing Ag;
2,852	11271736	2022-03-08	2017-07-21	Blockchain-implemented method and system	Gavin Allen;	Nchain Holdings Limited;
2,853	11271740	2022-03-08	2021-07-09	Blockchain-based paperless documentation	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
2,854	11271741	2022-03-08	2019-11-27	Centralized and decentralized individualized medicine platform	Khurram Mahmood; Eric Mathew Bell; Stuart Maxwell Altman; Jeremy Alan Dunn; Sambasiva R Pedapalli; Christopher Prado Dunn; Nerses Ohanyan; Anand Kothari; Ryan Jeffrey Southwick; Richard Brewster Wickersham, III;	Vineti Inc.;
2,855	11271746	2022-03-08	2019-07-24	Component commissioning to IoT hub using permissioned blockchain	Raj Gaurav Srivastava; Mohammed Saif Husain;	Otis Elevator Company;
2,856	11271753	2022-03-08	2021-06-23	Cryptoasset custodial system with different cryptographic keys controlling access to separate groups of private keys	Diogo Monica; Nathan P McCauley; Riyaz D Faizullabhoy; Boaz Avital;	Anchor Labs, Inc.;
2,857	11271754	2022-03-08	2021-07-12	Data authorization based on decentralized identifiers	Yujun Peng;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,858	11271759	2022-03-08	2019-09-04	Secure digital signatures using physical unclonable function devices with reduced error rates	Bertrand F Cambou;	Arizona Board of Regents on Behalf of Northern Arizona University;
2,859	11271760	2022-03-08	2020-03-25	Managing blockchain-based centralized ledger systems	Xinying Yang; Benquan Yu; Yuan Zhang; Wenyuan Yan; Yize Li;	Advanced New Technologies Co., Ltd.;
2,860	11271799	2022-03-08	2021-06-17	Blockchain consensus method, node, and system based on honey badger byzantine fault tolerance consensus mechanism	Xiaojun Liao;	Alipay (hangzhou) Information Technology Co., Ltd.;

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2,861	11271892	2022-03-08	2020-07-17	Network communication method and system, device, and storage medium	Zhihao Shang; Jia Li; Huanxin Liu; Hongfei Zhou;	Tencent Technology (shenzhen) Company Limited;
2,862	11271938	2022-03-08	2021-07-20	System and method for directives based mechanism to orchestrate secure communications in multi-cloud distributed systems	Raghunathvenkata Ramana Thummisi; Roopa Nagaraju;	
2,863	11271945	2022-03-08	2019-09-04	Localized access control for authorized modifications of data using a cryptographic hash	Nathanael Phillip Coonrod;	Prometheus8;
2,864	11271948	2022-03-08	2018-05-16	System, method, and computer program for verifying virtual network function (VNF) package and/or network service definition integrity	Ofer Hermoni; Gad Yitzhak Weissman; Liron Shtraichman;	Amdocs Development Limited;
2,865	11270383	2022-03-08	2018-04-17	Blockchain subrogation claims with arbitration	Shawn M Call; Jaime Skaggs; Eric Bellas; Douglas A Graff; William J Leise; Vicki King; Jacob J Alt; Eric R Moore; Stacie A McCullough;	State Farm Mutual Automobile Insurance Company;
2,866	11271748	2022-03-08	2021-06-21	Consensus methods and systems in consortium blockchain	Shuai Li;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,867	11263059	2022-03-01	2018-09-07	Load leveler	Jonathan Fry; Christopher J Penny; Marc Bergendahl; Christopher J Waskiewicz; Jean Wynne; James Demarest;	International Business Machines Corporation;
2,868	11263067	2022-03-01	2019-03-18	System and method for ending view change protocol	Dayi Yang;	Advanced New Technologies Co., Ltd.;
2,869	11263108	2022-03-01	2020-04-14	Device for testing blockchain network	Shenbin Zhang; Bingfeng Pi; Jun Sun;	Fujitsu Corporation;
2,870	11263200	2022-03-01	2020-01-29	Methods and devices for data traversal	Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
2,871	11263204	2022-03-01	2018-04-17	Method and apparatus for managing cloud services using smart contracts and blockchains	James Kempf; Nanjangud Chandrasekhara Swamy Narendra; Sambit Nayak; Anshu Shukla;	Telefonaktiebolaget Lm Ericsson (publ);
2,872	11263232	2022-03-01	2019-07-16	History management method and history management apparatus	Daisuke Kaji; Yohei Ooka;	Denso Corporation;
2,873	11263315	2022-03-01	2019-06-03	System level function based access control for smart contract execution on a blockchain	Venkata Siva Vijayendra Bhamidipati; Michael Chan; Derek Chamorro; Arpit Jain; Ashok Srinivasa Murthy;	Ebay, Incorporated;
2,874	11263329	2022-03-01	2019-10-02	Method, computer-readable medium, system and vehicle comprising the system for providing a data record of a vehicle to a third party	Edmund Korres; Peter Rohrauer; Thomas Wagner; Oliver Wick; Sebastian Zimmermann;	Bayerische Motoren Werke Aktiengesellschaft;
2,875	11263333	2022-03-01	2019-04-25	Multi-subject device access authorization	Alaa S Youssef; Giovanni Pacifici; Dimitrios Pendarakis;	International Business Machines Corporation;
2,876	11263484	2022-03-01	2019-09-20	System and method for supervised learning-based prediction and classification on blockchain	Abhijit Keskar;	Innoplexus Ag;
2,877	11263506	2022-03-01	2020-08-18	System and apparatus for encrypted data collection using RFID cards	Kevin Osborn; James Zarakas; Saleem Sangi; Jeffrey Rule;	Capital One Services, LLC;
2,878	11263569	2022-03-01	2020-03-03	Blockchain-based information processing method and apparatus, and device	Boyan Jia;	Advanced New Technologies Co., Ltd.;
2,879	11263604	2022-03-01	2020-07-02	Systems and methods for streamlining credit and/or debit card transactions utilizing blockchain supported credit tokens and/or debit tokens	Jun Yan;	Tradove, Inc.;
2,880	11263622	2022-03-01	2018-01-29	Computer-implemented system and method for determining the state of a machine executable contract implemented using a blockchain	Pedro Jimenez-Delgado; Craig Steven Wright;	Nchain Licensing Ag;

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2,881	11263623	2022-03-01	2021-06-30	Method and apparatus for grouping transactions in blockchain	Xiaojian Liu;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,882	11263641	2022-03-01	2018-03-08	Cognitive operational vehicle blockchain for privileges, licensing, evaluation, authorization, and training	Hyman Chantz;	International Business Machines Corporation;
2,883	11263656	2022-03-01	2018-04-17	Coupon clearinghouse with blockchain	Benjamin Weiss;	Walgreen Company;
2,884	11263866	2022-03-01	2020-05-01	Securely storing machine data on a non-volatile memory device	Nimish Purohit; Tyson Adams; Rex Carlson; Garrett Hill; Rajendrasinh Jadeja;	Aristocrat Technologies, Inc.;
2,885	11264826	2022-03-01	2020-11-30	Energy storage management device, power generation system and power distribution method based on blockchain technology	Anjun Jin; Zhihao Li;	
2,886	11265162	2022-03-01	2021-06-08	System and method for providing privacy and security protection in blockchain-based private transactions	Dayi Yang; Ning Xia; Kang Li;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,887	11265164	2022-03-01	2019-01-03	Method and system for an efficient consensus mechanism for permissioned blockchains using audit guarantees	Steven Charles Davis;	Mastercard International Incorporated;
2,888	11265169	2022-03-01	2020-10-30	Methods and systems for exchanging confidential information via a blockchain	Cathy Rowe; Fabio Bagatin;	Cch Incorporated;
2,889	11265173	2022-03-01	2021-06-18	Methods and systems for consensus in blockchains	Xiaojun Liao;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,890	11265174	2022-03-01	2021-06-25	Method, apparatus, and device for processing blockchain data	Wenyu Yang; Honglin Qiu; Ying Yan; Shubo Li; Yuan Chen; Hanghang Wu; Renhui Yang; Qin Liu;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,891	11265177	2022-03-01	2021-06-07	Blockchain consensus node selection	Qiang Tang;	Advanced New Technologies Co., Ltd.;
2,892	11265322	2022-03-01	2021-08-23	Data isolation in blockchain networks	Chao Shen; Wenbin Zhang; Xuming Lu;	Advanced New Technologies Co., Ltd.;
2,893	11265341	2022-03-01	2019-11-06	Adaptation of blockchain consensus criteria based on a computing context	Tracy L Nelson; Lyle W Paczkowski;	Sprint Communications Comapny L.p.;
2,894	11263607	2022-03-01	2021-03-16	Watch skins selection application with blockchain token	Collin Knock;	Watch Skins Corporation;
2,895	11265148	2022-03-01	2019-05-17	Blockchain anonymous tokenization system	Phillip H Griffin; Jeffrey J Stapleton;	Wells Fargo Bank, N.a.;
2,896	11265326	2022-03-01	2019-09-25	Automated event processing computing platform for handling and enriching blockchain data	Jisoo Lee; John C Checco; William August Stahlhut; Joseph Castinado; Brad Romano; Suki Ramasamy; Patrick Nicholas Lawrence; Lekha Ananthakrishnan;	Bank of America Corporation;
2,897	11256551	2022-02-22	2020-02-28	Blockchain-based virtual resource allocation	Lindong Liu; Jiayin Liu;	Advanced New Technologies Co., Ltd.;
2,898	11256778	2022-02-22	2019-02-14	Methods and apparatus for checking the results of characterized memory searches	Jonathan D Harms;	Micron Technology Incorporated;
2,899	11256787	2022-02-22	2021-03-08	Identifying copyrighted material using embedded copyright information	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
2,900	11256820	2022-02-22	2021-07-12	Blockchain-based service of process	Zhiguo Li;	Advanced New Technologies Co., Ltd.;

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2,901	11256829	2022-02-22	2021-06-24	Data verification	Shiqin Zeng;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,902	11257017	2022-02-22	2020-03-13	Distributed logbook for anomaly monitoring	Alan O'Herlihy; Joe Allen; Dan Pescaru; Alexandru Arion;	Everseen Limited;
2,903	11257025	2022-02-22	2019-05-03	High performance blockchain architecture for logistics services	Vivek Govekar;	Accenture Global Solutions Limited;
2,904	11257070	2022-02-22	2018-01-29	Computer-implemented system and method for generating and extracting user related data stored on a blockchain	Martin Sewell; Vera Vsevolozhsky; Craig Steven Wright;	Nchain Licensing Ag;
2,905	11257073	2022-02-22	2018-10-31	Systems, methods, and apparatuses for implementing machine learning models for smart contracts using distributed ledger technologies in a cloud based computing environment	Prithvi Krishnan Padmanabhan;	Salesforce.com, Inc.;
2,906	11257078	2022-02-22	2018-08-20	Method and system for utilizing blockchain and telecom network for two factor authentication and enhancing security	Shreya Mittal; Deepak Yadav; Amit Gupta;	Mastercard International Incorporated;
2,907	11257079	2022-02-22	2019-04-30	Systems, methods, and interfaces for smart contract based exchanges via a blockchain	Carlos Kuchkovsky Jimenez; Escolástico Sanchez Martinez; Ruben Chavarri Elduayen;	Banco Bilbao Vizcaya Argentaria, S.a.;
2,908	11257081	2022-02-22	2018-05-08	Integrating a blockchain ledger with an application external to the blockchain ledger	David Joseph Haimes; Todd Jeffery Little;	Oracle International Corporation;
2,909	11257089	2022-02-22	2019-11-28	Cryptographic taint tracking	Timothy Eller; Patrick De La Garza; Daniel Klein; George Kellerman; Steven Eliscu; Danny Yang;	Dmg Blockchain Solutions, Inc.;
2,910	11257093	2022-02-22	2021-06-02	Event processing method, apparatus and electronic device based on blockchain technology	Li Lin;	Advanced New Technologies Co., Ltd.;
2,911	11257130	2022-02-22	2017-08-22	Method and system for review verification and trustworthiness scoring via blockchain	Shuvam Sengupta; Ankur Arora; Navneet Kumar;	Mastercard International Incorporated;
2,912	11258582	2022-02-22	2018-05-01	Distributed system and method for encryption of blockchain payloads	Rakesh Ramachandran; Rajiv Chandran; Brennan Bennett;	Qbrics, Inc.;
2,913	11258583	2022-02-22	2019-04-23	Method for data storage, device, and computer readable data storage medium	Liang-Te Chiu; Chi-Jsung Lee;	Hon Hai Precision Industry Co., Ltd.;
2,914	11258584	2022-02-22	2019-09-30	Method, apparatus and electronic device for blockchain transactions	Wenbin Zhang; Lichun Li; Baoli Ma; Zheng Liu; Shan Yin;	Advanced New Technologies Co., Ltd.;
2,915	11258586	2022-02-22	2021-01-29	Blockchain smart contract-based transaction hash acquisition methods and systems	Guilu Xie;	Advanced New Technologies Co., Ltd.;
2,916	11258587	2022-02-22	2017-03-14	Blockchain-based digital rights management	Eric Diehl;	Sony Corporation; Sony Pictures Entertainment, Inc.;
2,917	11258601	2022-02-22	2019-06-04	Systems and methods for distributed digital rights management with decentralized key management	Tai-An Wang; Liang-Chih Chen; Ting-Yin Yen; Yu-Shu Chen;	Trend Micro Inc.;
2,918	11258612	2022-02-22	2019-10-23	Method, apparatus, and electronic device for blockchain-based recordkeeping	Fuqiang Li; Linqing Wang; Hong Zhang; Haitao Jiang; Xinyu Weng; Zongru Zhan;	Advanced New Technologies Co., Ltd.;
2,919	11258778	2022-02-22	2019-02-28	System and method for blockchain-based data management	Long Cheng; Yanpeng Li;	Advanced New Technologies Co., Ltd.;
2,920	11258851	2022-02-22	2021-06-18	Consensus node changing method and related apparatus based on honey badger byzantine fault tolerance consensus mechanism	Xiaojun Liao;	Alipay (hangzhou) Information Technology Co., Ltd.;

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2,921	11256712	2022-02-22	2018-05-02	Rapid design, development, and reuse of blockchain environment and smart contracts	Pradeepkumar Duraisamy Soundrapandian; Kapil Singi; Vikrant Kaulgud;	Accenture Global Solutions Limited;
2,922	11257077	2022-02-22	2018-11-30	Blockchain system for confidential and anonymous smart contracts	Shashank Agrawal; Karl Benedikt Bünz; Mahdi Zamani; Dan Boneh;	Visa International Service Association; Leland Stanford Junior University;
2,923	11257098	2022-02-22	2019-03-28	Systems and methods for securing communication data and property using blockchain	Konstantinos Bakalis; Alexandros Bakalis;	
2,924	11247688	2022-02-15	2019-03-26	Driver swapping	Emily S Lerner;	Toyota Motor Engineering & Manufacturing North America, Inc.;
2,925	11249953	2022-02-15	2019-01-30	Method and apparatus for sharing big data using block chain	Seok Woo Lee; Duk Soo Kim; Sang Gyoo Sim; Min Woo Nam; Kwon Koo Kwak; Jae Yeon Yoon;	Penta Security Systems Inc.;
2,926	11249977	2022-02-15	2018-03-02	Method and system for storage and transfer of verified data via blockchain	Manoneet Kohli; Rick Unnerstall; Ankur Arora; Shuvam Sengupta; Pulkit Gupta; Nishant Maheshwari; Shreya Mittal; Manish Kumar; Vikas Bishnoi; Shubham Bijawat; Jaipal Singh Kumawat; Navneet Kumar; Lakshmi Sushma Daggubati; Sri Chaitanya Sanaboina; Deepak Yadav;	Mastercard International Incorporated;
2,927	11249982	2022-02-15	2019-01-16	Blockchain-based verification of machine learning	Alexander Tormasov; Serguei Beloussov; Stanislav Protasov;	Acronis International Gmbh;
2,928	11249987	2022-02-15	2020-03-06	Data storage in blockchain-type ledger	Xinying Yang;	Advanced New Technologies Co., Ltd.;
2,929	11250021	2022-02-15	2020-04-17	Faster view change for blockchain	Yacov Manevich; Artem Barger; Hagar Meir; Yoav Tock;	International Business Machines Corporation;
2,930	11250125	2022-02-15	2019-11-27	Highly scalable permissioned block chains	Venkata Siva Vijayendra Bhamidipati; Ashok Srinivasa Murthy; Derek Chamorro; Michael Chan; Arpit Jain;	Ebay, Incorporated;
2,931	11250394	2022-02-15	2018-02-14	Method and system for blockchain-based gemstone ownership, identity, custody, supply-chain transfer, trading, and secure payments	Vijay K Madisetti; Arshdeep Bahga; Jae Kim; Avinash Rao;	
2,932	11250395	2022-02-15	2021-01-28	Blockchain-based transaction processing methods and apparatuses and electronic devices	Jiyuan Wang; Xuebing Yan;	Advanced New Technologies Co., Ltd.;
2,933	11250438	2022-02-15	2020-01-31	Blockchain-based reimbursement splitting	Yu Chu; Longsheng Qing; Ge Jin; Zhenzhong Meng; Xueqing Yang; Zhen Sun;	Advanced New Technologies Co., Ltd.;
2,934	11250481	2022-02-15	2020-02-03	Blockchain-based resource value evaluation methods and apparatus	Xinying Yang;	Advanced New Technologies Co., Ltd.;
2,935	11250485	2022-02-15	2018-06-12	Filtering digital images stored on a blockchain database	Jeremy R Fox;	International Business Machines Corporation;
2,936	11250507	2022-02-15	2019-05-06	Trusted tokenized transactions in a blockchain system	Maodong Xu;	Apifiny Group Inc.;
2,937	11250528	2022-02-15	2019-12-13	Blockchain-based trusted platform	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
2,938	11250646	2022-02-15	2020-06-28	System and method for toll transactions utilizing a distributed ledger	Brian Hausman;	Hausman Properties, LLC;
2,939	11250937	2022-02-15	2019-04-12	System and method to share and utilize healthcare data	Abhishek Malvankar; Saurabh Pujar; Edward A Epstein; Louis Degenaro; Burn Lewis;	International Business Machines Corporation;
2,940	11251937	2022-02-15	2019-01-18	Distributed security mechanism for blockchains and distributed ledgers	David Jevans;	Ciphertrace, Inc.;

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2,941	11251956	2022-02-15	2018-07-02	Federated blockchain identity model and secure personally identifiable information data transmission model for RCS	John A Young;	Avaya Inc.;
2,942	11251961	2022-02-15	2021-04-29	Methods and apparatuses for storing or invoking blockchain account private keys	Yanpeng Li;	Advanced New Technologies Co., Ltd.;
2,943	11251963	2022-02-15	2020-01-31	Blockchain-based data authorization method and apparatus	Changzheng Wei; Ying Yan; Hui Zhang; Yujun Peng;	Advanced New Technologies Co., Ltd.;
2,944	11251966	2022-02-15	2020-02-10	Sending cross-chain authenticatable messages	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
2,945	11251967	2022-02-15	2021-06-24	Consensus methods and systems in consortium blockchain	Shuai Li;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,946	11251969	2022-02-15	2020-10-28	Performing map iterations in a blockchain-based system	Jiahua He; Benquan Yu;	Alipay (hangzhou) Information Technology Co., Ltd.;
2,947	11252165	2022-02-15	2021-01-29	Cross-chain data trusted management methods and apparatuses	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
2,948	11252166	2022-02-15	2020-01-31	Providing data authorization based on blockchain	Changzheng Wei; Ying Yan; Hui Zhang; Yujun Peng;	Advanced New Technologies Co., Ltd.;
2,949	11250399	2022-02-15	2019-07-23	Watch skins selection application with blockchain token	Collin Knock;	Watch Skins Corporation;
2,950	11251938	2022-02-15	2019-06-03	Blockchain verification using non-consecutive blocks	Jeronimo Irazabal;	International Business Machines Corporation;
2,951	11243810	2022-02-08	2021-01-22	Methods and systems for improving hardware resiliency during serial processing tasks in distributed computer networks	Sanjay Kumar Stribady; Saket Sharma; Gursel Taskale;	The Bank of New York Mellon Corporation;
2,952	11243943	2022-02-08	2019-03-05	Methods and systems for controlling access to, and integrity of, resources on a blockchain	Silvia Bartolucci; Pauline Bernat; Daniel Joseph;	Nchain Licensing Ag;
2,953	11243977	2022-02-08	2019-03-01	SGX based flow control for distributed ledgers	Mic Bowman; Andrea Miele;	Intel Corporation;
2,954	11244032	2022-02-08	2021-03-24	System and method for the creation and the exchange of a copyright for each AI-generated multimedia via a blockchain	Diep Thi Ngoc Nguyen;	Oraichain Pte. Ltd.;
2,955	11244064	2022-02-08	2019-06-25	Application level data security	Siddhartha Dutta;	American Express Travel Related Services Company, Inc.;
2,956	11244146	2022-02-08	2020-03-03	Systems and methods for secure user logins with facial recognition and blockchain	Jerry Davis; Shravan Kumar Parunandula; Pranav Vishwas Deshpande; Krishna Kumar Ramadas; Uche Ojukwu; Frank Van Hoof;	Jpmorgan Chase Bank, N.a.;
2,957	11244276	2022-02-08	2019-11-26	Secure product identification and verification	Clement Vivier;	Accenture Global Solutions Limited;
2,958	11244292	2022-02-08	2017-03-24	Methods and systems for recording multiple transactions on a blockchain	Craig Steven Wright; Stephane Savanah;	Nchain Holdings Limited;
2,959	11244295	2022-02-08	2018-05-09	Method for paying cost of IoT device based on blockchain and Merkle tree structure related thereto, and server, service providing terminal, and digital wallet using the same	Joon Sun Uhr; Jay Wu Hong;	Coinplug, Inc.;
2,960	11244306	2022-02-08	2019-08-05	Method, apparatus and electronic device for blockchain transactions	Wenbin Zhang; Lichun Li; Baoli Ma; Zheng Liu; Shan Yin;	Advanced New Technologies Co., Ltd.;

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2,961	11244308	2022-02-08	2020-12-31	Records of a tangible product in blockchain	Brian Stankiewicz; Nicholas Brian Stankiewicz;	
2,962	11244309	2022-02-08	2018-11-21	Real-time cryptocurrency exchange using trusted hardware	Iddo Bentov; Ari Juels; Fan Zhang; Philip Daian; Lorenz Breidenbach;	Cornell University;
2,963	11244313	2022-02-08	2019-01-31	Systems, methods, and apparatuses for implementing declarative smart actions for coins and assets transacted onto a blockchain using distributed ledger technology (DLT)	Prithvi Krishnan Padmanabhan; Marc Benioff;	Salesforce.com, Inc.;
2,964	11244316	2022-02-08	2018-06-07	Biometric token for blockchain	Shelby Solomon Darnell; Karthik Nandakumar; Sharathchandra Pankanti; Nalini K Ratha;	International Business Machines Corporation;
2,965	11244348	2022-02-08	2021-04-27	Blockchain-based traffic statistics collection methods, apparatuses, and devices	Dafeng Xu;	Advanced New Technologies Co., Ltd.;
2,966	11244383	2022-02-08	2019-02-27	Systems and methods for managing rental reservations with blockchain	Oleksiy Lyubynskyy;	
2,967	11244391	2022-02-08	2019-12-06	Methods and apparatus for ingestion of legacy records into a mortgage servicing blockchain	Richard Sheridan Collins; Shane Michael Leonard;	Ranier Ip, LLC;
2,968	11244392	2022-02-08	2020-03-11	Virtual resource allocation method and device based on blockchain	Min Li; Hui Xu;	Advanced New Technologies Co., Ltd.;
2,969	11244396	2022-02-08	2019-09-27	Crypto-machine learning enabled blockchain based profile pricer	Awadhesh Pratap Singh; Vinay Laxmikant Bade;	Bank of America Corporation;
2,970	11244415	2022-02-08	2021-07-07	Personal IP protection system and method	Jaeyong Park;	Ez-trust Co., Ltd.;
2,971	11245513	2022-02-08	2020-03-18	System and method for authorizing transactions in an authorized member network	Austin Grant Walters; Reza Farivar; Jeremy Edward Goodsitt;	Capital One Services, LLC;
2,972	11245514	2022-02-08	2019-10-15	Blockchain delegation	Zhihong Mao; Tian Chen; Shi Shu;	Arcblock, Inc.;
2,973	11245525	2022-02-08	2019-09-10	Managing a third-party recipient digital resource vehicle via a distributed trust computing network	Ashwin Roongta; Sayan Banerjee;	Bank of America Corporation;
2,974	11245528	2022-02-08	2019-12-24	Protocols for decentralized networks	Nicola Greco; Juan Batiz-Benet;	Protocol Labs, Inc.;
2,975	11245576	2022-02-08	2018-09-07	Blockchain-based configuration profile provisioning system	Kevin Thomas Marks; Viswanath Ponnuru;	Dell Products Inc.;
2,976	11245691	2022-02-08	2020-10-05	Secure messaging in a blockchain network	Victor Bovee Dods; Benjamin James Taylor; Leonid Alekseyev; William Jack;	Ledgerdomain Inc.;
2,977	11245721	2022-02-08	2018-12-19	Using a blockchain for distributed denial of service attack mitigation	Tirumaleswar Reddy Konda; Harsha Ramamurthy Joshi; Piyush Pramod Joshi; Eric Donald Wuehler;	Mcafee, Inc.;
2,978	11245756	2022-02-08	2018-09-13	Sparse peer with transient participation	Balaji Viswanathan; Krishnasuri Narayanam; Senthilnathan Natarajan; Vinayaka Pandit;	International Business Machines Corporation;
2,979	11245757	2022-02-08	2018-11-19	Computer-implemented system and method for propagation and communication of data in a network such as a blockchain network	Silvia Bartolucci; Daniel Joseph; Simone Madeo;	Nchain Licensing Ag;
2,980	11245946	2022-02-08	2020-01-21	Systems and methods for adapting content items to secured endpoint media device data	Jorg Nonnenmacher; Robert Drew Major;	Dish Network L.l.c.;

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2,981	11246033	2022-02-08	2020-11-05	Authentication method, and related device and system	Hui Yang; Jingwen Nan; Wei Bai; Yizhen Wu;	Huawei Technologies Co., Limited;
2,982	11243917	2022-02-08	2018-10-03	Blockchain implementing reliability database	Kohichi Kamijoh;	International Business Machines Corporation;
2,983	11243945	2022-02-08	2017-12-11	Distributed database having blockchain attributes	Chander Govindarajan; Praveen Jayachandran; Senthilnathan Natarajan; Balaji Viswanathan;	International Business Machines Corporation;
2,984	11244059	2022-02-08	2018-05-17	Blockchain for managing access to medical data	Woong A Yoon; Alex Casella;	International Business Machines Corporation;
2,985	11244307	2022-02-08	2019-11-04	Transaction processing system and method enabling expansion of blockchain	Hongsup So; Hong Kyu Lee; Jeehong Lee; Chul-soon Choi; Eunho Chang; Hojin Jang;	Line Plus Corporation;
2,986	11244393	2022-02-08	2020-06-30	Credit blockchain system, credit data storage method, device, and medium	Zhihao Shang; Hongfei Zhou;	Tencent Technology (shenzhen) Company Limited;
2,987	11238029	2022-02-01	2020-02-14	Runtime endorsement policy determination	Martin C Sinclair; James McCulloch; Stephen Pipes;	International Business Machines Corporation;
2,988	11238178	2022-02-01	2020-01-08	Blockchain network to protect identity data attributes using data owner-defined policies	Vinod A Valecha; Krzysztof Rudek; Grzegorz Piotr Szczepanik;	International Business Machines Corporation;
2,989	11238419	2022-02-01	2018-09-28	Blockchain system and method with secure cryptoassets	Luke Owens; Theodore C Tanner; Bryan Smith; Benoit Razet;	Change Healthcare Holdings, LLC;
2,990	11238447	2022-02-01	2020-02-28	Blockchain transactions with ring signatures	Wenbin Zhang;	Advanced New Technologies Co., Ltd.;
2,991	11238450	2022-02-01	2017-12-15	Computer-implemented systems and methods to enable complex functionality on a blockchain while preserving security-based restrictions on script size and opcode limits	Stephane Vincent;	Nchain Licensing Ag;
2,992	11238460	2022-02-01	2017-04-28	Method and system for implementing chargebacks on a distributed ledger system	Dennis Michael Kennedy; Michael L Grazio;	Mastercard International Incorporated;
2,993	11238476	2022-02-01	2018-12-14	Blockchain-based platform for monetizing social media following	Eric Koenig; Craig Amazeen;	
2,994	11238549	2022-02-01	2021-02-01	Blockchain-based judgment execution	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
2,995	11238669	2022-02-01	2020-06-29	System and method for toll transactions utilizing a distributed ledger	Brian Hausman;	Hausman Properties, LLC;
2,996	11238964	2022-02-01	2021-05-14	Event tracking for advanced therapy medicinal products	Raja Sharif;	Atmps Ltd;
2,997	11239999	2022-02-01	2018-04-25	Blockchain network communications system	Tyson York Winarski;	
2,998	11240000	2022-02-01	2018-08-07	Preservation of uniqueness and integrity of a digital asset	Nitin Gaur; Jeronimo Irazabal;	International Business Machines Corporation;
2,999	11240002	2022-02-01	2018-12-12	Resource operating method for each of nodes communicating through network and computer device operating as one of nodes	Youngjun Jo;	Nhn Entertainment Corporation;
3,000	11240001	2022-02-01	2018-11-06	Selective access to asset transfer data	Kaoutar Elkhiyaoui; Elli Androulaki; Angelo De Caro; Maria Dubovitskaya; Jan L Camenisch;	International Business Machines Corporation;

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3,001	11240003	2022-02-01	2019-03-26	Consent-based data management	Shengjiao Cao; Angelo De Caro; Kaoutar Elkhiyaoui; Yu Chin Fabian Lim;	International Business Machines Corporation;
3,002	11240004	2022-02-01	2019-09-18	Blockchain system with a trust escrow	Ganesh Krishnan; Dharmesh Dadbhawala; Ashish Baluja; Bhaumik Dedhia;	Boardwalktech, Inc;
3,003	11240028	2022-02-01	2019-05-07	Trust service engine for external blockchain verification	Francois Vigneron; Saumyadipta Das; Soumya R; Manjusha Nair;	Sap Se;
3,004	11240032	2022-02-01	2018-06-22	System and method for hierarchical token distribution on blockchain network	Daniel Joseph;	Nchain Holdings Limited;
3,005	11240034	2022-02-01	2021-06-29	Consensus methods and systems in consortium blockchain	Shuai Li;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,006	11240035	2022-02-01	2017-05-05	Systems and methods for extending the utility of blockchains through use of related child blockchains	Jeff Stollman;	
3,007	11240041	2022-02-01	2021-03-15	Blockchain-based transaction verification	Pengtao Qi;	Advanced New Technologies Co., Ltd.;
3,008	11240046	2022-02-01	2021-06-07	Digital certificate management method, apparatus, and system	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,009	11240211	2022-02-01	2019-09-12	System and method to leverage EDR, ECU, CAN and OBD data from vehicles by means of blockchain technology	Richard Benson; Clayton Leo Henry;	
3,010	11240254	2022-02-01	2020-02-14	Distributed blockchain data management in a satellite environment	John Metzger; Shaun Coleman;	Lockheed Martin Corporation;
3,011	11240636	2022-02-01	2020-07-28	Digital passport with verified data provenance	Brandon Sloane; Aarron Gull; Harvey Summers; Gilbert Gatchalian; Vijaya L Vemireddy;	Bank of America Corporation;
3,012	11238478	2022-02-01	2019-01-25	Commercializing user patterns via blockchain	Michael C Edwards; David M Goemer; Hazem Ahmed;	Toyota Motor North America, Inc.;
3,013	11238543	2022-02-01	2017-05-06	Payroll based blockchain identity	Anna Linne;	Adp, Inc.;
3,014	11231957	2022-01-25	2019-10-30	Performing parallel execution of transactions in a distributed ledger system	Guilu Xie; Ning Xia;	Alibaba Group Holding Limited;
3,015	11231958	2022-01-25	2018-10-22	Method and control system for controlling and/or monitoring devices	Thomas Jetzfellner;	Siemens Aktiengesellschaft;
3,016	11232077	2022-01-25	2019-10-25	Method and apparatus for sharing information recorded on blockchain based on anchoring	Jae Seok Lee; Hyo Jung Lee; Jung Woo Cho; Ki Woon Sung;	Samsung Sds Co., Ltd.;
3,017	11232098	2022-01-25	2021-01-26	Data structure reading methods and apparatuses, data structure update methods and apparatuses, and electronic devices	Benquan Yu; Zhonghao Lu; Haizhen Zhuo; Faqiang Wang;	Advanced New Technologies Co., Ltd.;
3,018	11232221	2022-01-25	2018-09-17	Right to be forgotten on an immutable ledger	Petr Novotny; Donna N Dillenberger; Nitin Gaur;	International Business Machines Corporation;
3,019	11232234	2022-01-25	2021-06-16	Method for sharing and verifying blocks and electronic documents between nodes in blockchain	Myoung Soo Choi;	Swempire Co., Ltd.;
3,020	11232417	2022-01-25	2018-09-07	Back-up sentinel network for a blockchain distribution network	Uri Klarman; Aleksandar Kuzmanovic;	Northwestern University;

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3,021	11232442	2022-01-25	2020-02-14	Recovering encrypted transaction information in blockchain confidential transactions	Zheng Liu; Lichun Li; Shan Yin;	Advanced New Technologies Co., Ltd.;
3,022	11232446	2022-01-25	2018-10-26	Carrier grade telecom blockchain	Fabio Aiello; Gary Dean Iosbaker;	Hewlett Packard Enterprise Development LP;
3,023	11232478	2022-01-25	2019-09-06	Methods and system for collecting statistics against distributed private data	Aaron Brown; Tom Bollich; Adam Helfgott; Rebecca Lerner; Nelson Hunter Prendergast; Nikolaos Melissaris Papanikolaou;	
3,024	11232503	2022-01-25	2018-09-24	System and method for blockchain-based product configuration and referral	Daniel del Hoyo Rodriguez;	Amazon Technologies, Inc.;
3,025	11233648	2022-01-25	2019-02-11	Identity system for use with blockchain platform	Shawn Jafari Tabrizi;	Microsoft Technology Licensing, LLC;
3,026	11233654	2022-01-25	2020-10-28	Blockchain data storage based on error correction code for permissioned blockchain network	Haizhen Zhuo; Zhonghao Lu;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,027	11233655	2022-01-25	2021-06-30	Data verification methods, apparatuses, and devices	Renhui Yang; Yuan Chen; Xinmin Wang; Wenyu Yang; Feng Qian; Qianting Guo; Shubo Li;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,028	11233656	2022-01-25	2017-02-24	Method for mining a block in a decentralized blockchain consensus network	Ghassan Karame; Jens-Matthias Bohli; Wenting Li;	Nec Corporation;
3,029	11233792	2022-01-25	2018-05-02	Method and system for enhanced login credential security via blockchain	Shreya Mittal; Amit Gupta; Ankur Arora;	Mastercard International Incorporated;
3,030	11233849	2022-01-25	2021-06-29	Message transmission methods and apparatuses	Jiang Wang; Chao Zeng; He Sun;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,031	11233660	2022-01-25	2021-08-02	Confidential blockchain transactions	Wenbin Zhang;	Advanced New Technologies Co., Ltd.;
3,032	11224818	2022-01-18	2020-07-31	Systems and methods for transfer of rights pertaining to game assets between users of an online gaming platform	Stephan Cunningham; John Linden;	Mythical, Inc.;
3,033	11226952	2022-01-18	2019-07-26	Method, apparatus and electronic device for blockchain-based asset issuance	Lichun Li; Zheng Liu; Shan Yin; Wenbin Zhang; Baoli Ma;	Advanced New Technologies Co., Ltd.;
3,034	11226956	2022-01-18	2017-07-07	System, method, and apparatus for implementing a blockchain-based entity identification network	Anil Somani; Mohamed Nosseir;	Visa International Service Association;
3,035	11227051	2022-01-18	2019-10-30	Method for detecting computer virus, computing device, and storage medium	Liang-Te Chiu;	Hon Hai Precision Industry Co., Ltd.;
3,036	11227282	2022-01-18	2018-08-20	Time-bounded activity chains with multiple authenticated agent participation bound by distributed single-source-of-truth networks that can enforce automated value transfer	Ananth Natarajan;	Probloch LLC;
3,037	11227350	2022-01-18	2019-09-04	Single-tier blockchain-based system and method for document transformation and accountability via different node types	Edward Wu; Guy Gal; Christopher Dzoba; Jeffrey Judkins; Mark J Stefik; Adriano Castro;	Side, Inc.;
3,038	11227351	2022-01-18	2019-12-13	Identifying copyrighted material using embedded copyright information	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
3,039	11227457	2022-01-18	2017-12-02	Blockchain managed storage	Neelakant R Patel;	International Business Machines Corporation;
3,040	11227675	2022-01-18	2017-08-23	Blockchain-based mechanisms for secure health information resource exchange	Douglas A Bulleit; Bharat Chand Aluri; Fred Thomas Danner, III; Charles Clifton Miller, III; Mark Braunstein;	Bbm Health LLC;

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3,041	11228386	2022-01-18	2018-09-20	Blockchain node synchronization method and device using trust mechanism	Wenyu Yang; Chunmeng Gao;	Beijing Kingsoft Internet Security Software Co., Ltd.;
3,042	11228425	2022-01-18	2021-03-15	Data storage method, data query method and apparatuses	Hao Wu;	Advanced New Technologies Co., Ltd.;
3,043	11228424	2022-01-18	2019-06-07	Blu-ray copy service	Luis Angel Bathen; Gabor Madl; Dulce B Ponceleon;	International Business Machines Corporation;
3,044	11228439	2022-01-18	2019-12-31	Scale out blockchain with asynchronized consensus zones	Jiaping Wang;	
3,045	11228440	2022-01-18	2019-05-02	Proof-of-work for smart contracts on a blockchain	Sampath Dechu; Ramachandra Kota; Pratyush Kumar;	International Business Machines Corporation;
3,046	11228444	2022-01-18	2019-05-31	Tracking provenance of digital data	Valentin Bercovici; Kumarappan Palaniappan;	Pencildata, Inc.;
3,047	11228445	2022-01-18	2019-06-14	File validation using a blockchain	Gregory J Alger; Duane R Wald; Andrew Mintner; Donald Grant Peterson; Taiga Matsumoto; Damon Dean; Drew Ashlock;	Docusign, Inc.;
3,048	11228446	2022-01-18	2020-05-16	Blockchain-based reconciliation method and apparatus and electronic device	Shiyu Wang;	Advanced New Technologies Co., Ltd.;
3,049	11228447	2022-01-18	2018-04-26	Secure dynamic threshold signature scheme employing trusted hardware	Thomas Trevethan;	Nchain Licensing Ag;
3,050	11228452	2022-01-18	2019-09-16	Distributed certificate authority	Jeffrey C Venable, Sr;	Cisco Technology, Inc.;
3,051	11228596	2022-01-18	2019-09-30	Data isolation in blockchain networks	Chao Shen; Wenbin Zhang; Xuming Lu;	Advanced New Technologies Co., Ltd.;
3,052	11226971	2022-01-18	2018-10-03	Blockchain implementing reliability database	Kohichi Kamijoh;	International Business Machines Corporation;
3,053	11228584	2022-01-18	2019-05-16	Systemized blockchain reconciliation in a hybrid distributed network ecosystem	Daniel Cage; Padmakar Kankipati; Norman R Silverman;	Speedchain, Inc.;
3,054	11222009	2022-01-11	2019-09-27	High throughput blockchain consensus systems and methods with low finalization time	Runting Shi; Rafael Nat Josef Pass; Tsz Hong Hubert Chan; Chang-Zen Tsai; Chia-Hao Lo;	Thunder Token Inc.;
3,055	11222011	2022-01-11	2020-02-28	Blockchain-based transaction processing	Dayi Yang;	Advanced New Technologies Co., Ltd.;
3,056	11222041	2022-01-11	2019-11-06	Blockchain-based central repository and analytical platform for communications in the internet of things	Adam Lee Griffin; Shikhar Kwatra; Darren Lawless; Thomas Bouve; Joseph B Ries; Jennifer L Szkatulski;	International Business Machines Corporation;
3,057	11222099	2022-01-11	2019-02-08	Methods, systems, and media for authenticating users using blockchains	Thien Van Pham;	Synergex Group; Pham Holdings, Inc.;
3,058	11222331	2022-01-11	2021-05-25	Method and system for blockchain-based gemstone ownership, identity, custody, supply-chain transfer, trading, and secure payments	Vijay Madisetti; Arshdeep Bahga; Jae Kim; Avinash Rao;	
3,059	11222333	2022-01-11	2019-05-31	In-flight fiat payment authorization and capture settlement	FaizalSheriff Kalifullah Sheriff;	Panasonic Avionics Corporation;
3,060	11222363	2022-01-11	2017-12-10	Cognitive determination system connecting social network and blockchain network	Malolan Chetlur; Praveen Jayachandran;	International Business Machines Corporation;

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3,061	11223470	2022-01-11	2020-03-06	Post-quantum cryptography side chain	Brad A Shea; Jeff J Stapleton; Robert L Carter, Jr; Pierre Arbajian; Peter Bordow; Michael Erik Meinholz;	Wells Fargo Bank, N.a.;
3,062	11223474	2022-01-11	2019-11-20	Digital asset management	Bernardo Moreno; Shane M Bigelow; Bo J Shim; Scott W Barrett; Ian P Lewis; Daniel F Crough, Jr; Dante Giancola;	Champ Titles, Inc.;
3,063	11223475	2022-01-11	2019-06-05	Document validation	Nitin Singh; Pankaj S Dayama; Vinayaka Pandit; Kameshwaran Sampath;	International Business Machines Corporation;
3,064	11223481	2022-01-11	2018-08-29	Electronic document signing using blockchain	Mahender Raju Adluri;	J2 Cloud Services, LLC;
3,065	11223482	2022-01-11	2019-05-20	Secure data exchange	Oliver Kroneisen; Georg Koester; Michael Wehrstein; Ricarda Bethge; Arne Scherrer;	Sap Se;
3,066	11223487	2022-01-11	2020-03-19	Method and system for secure blockchain-based vehicular digital forensics	Jian Weng; Ming Li; Jiasi Weng; Yue Zhang; Anjia Yang; Weiqi Luo;	Jinan University;
3,067	11223598	2022-01-11	2016-05-03	Internet security	Adiseshu Hari; Tirunell V Lakshman;	Nokia of America Corporation;
3,068	11223606	2022-01-11	2018-06-29	Technologies for attesting a deployed workload using blockchain	Johan Van de Groenendaal; Alberto J Munoz;	Intel Corporation;
3,069	11223609	2022-01-11	2017-01-13	Techniques for secure blockchain management	Meredith Altenhofen; Jason Blackhurst; Quan Wang;	Visa International Service Association;
3,070	11223647	2022-01-11	2020-07-09	Cybersafety incremental insurance policy utilizing blockchain underwriting process	Stephen Cardot;	Cloudcover Ip, LLC;
3,071	11223655	2022-01-11	2018-08-13	Semiconductor tool matching and manufacturing management in a blockchain	Prasad Bhosale; Nicholas A Lanzillo; Michael Rizzolo; Chih-Chao Yang;	International Business Machines Corporation;
3,072	11223692	2022-01-11	2021-01-25	Service execution methods and apparatuses	Xinying Yang;	Advanced New Technologies Co., Ltd.;
3,073	11223608	2022-01-11	2018-09-11	Methods and devices for increasing entropy of a blockchain using blinded outcome diversification	Silvia Bartolucci; Pauline Bernat; Daniel Joseph; Craig Steven Wright;	Nchain Licensing Ag;
3,074	11216448	2022-01-04	2021-03-29	Information storage and retrieval using an off-chain isomorphic database and a distributed ledger	Paul Richard Brody; Duncan James Westland; Chaitanya Reddy Konda;	Ernst & Young U.S. Llp;
3,075	11216476	2022-01-04	2019-09-13	Data processing method, apparatus, and device	Haizhen Zhuo; Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,076	11216538	2022-01-04	2019-06-21	Management system, server, management method, and program	Naohisa Nishida; Yuji Unagami; Junichiro Soeda; Akira Tanaka; Fumiaki Kagaya; Eiichi Abe;	Panasonic Intellectual Property Corporation of America;
3,077	11216788	2022-01-04	2017-11-30	Systems and methods for blockchain-based payment transactions, alerts, and dispute settlement, using a blockchain interface server	Ramesh Vijayaraghavan;	Worldpay Limited;
3,078	11216807	2022-01-04	2020-12-30	Blockchain-based trustable guarantees	Xuming Lu; Hui Zhou; Guojun Ye;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,079	11216811	2022-01-04	2019-09-12	Systems and methods of verifying installation of building automation devices	Weilun Huang; Chunfu Li; Zhi Wang; Xing Yin; Chen Shi;	Honeywell International Inc.;
3,080	11216813	2022-01-04	2019-01-29	Business-to-business netting	Joseph Gregory Delong; Steven James Schroeder; Jonathan Huntington Rhea; Alexander Benetto Nagelberg;	United States Automobile Association (usaa);

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3,081	11216820	2022-01-04	2019-05-29	Asset transfer reversal method and apparatus, and electronic device	Junliang Zhang; Danqing Hu; Sen Lin;	Advanced New Technologies Co., Ltd.;
3,082	11216898	2022-01-04	2021-03-15	Identifying copyrighted material using copyright information embedded in tables	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
3,083	11217332	2022-01-04	2018-01-12	Distributed ledger system for managing medical records	Ronny S Bryant; Stacie A McCullough; Mitchell J Hill; Jacob J Alt; Jaime Skaggs; Shawn M Call; Eric Bellas; Vicki King; Melinda Teresa Magerkurth;	State Farm Mutual Automobile Insurance Company;
3,084	11218293	2022-01-04	2020-01-27	Secure parameter merging using homomorphic encryption for swarm learning	Sathyanarayanan Manamohan; Vishesh Garg; Krishnaprasad Lingadahalli Shastry; Saikat Mukherjee;	Hewlett Packard Enterprise Development LP;
3,085	11218305	2022-01-04	2021-04-23	Blockchain authorization information generation	Yixiang Zhang; Jun Gu;	Advanced New Technologies Co., Ltd.;
3,086	11218325	2022-01-04	2019-12-23	Asset management method and apparatus, and electronic device	Xuebing Yan;	Advanced New Technologies Co., Ltd.;
3,087	11218327	2022-01-04	2021-07-02	Digital certificate management method and apparatus, and electronic device	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,088	11218328	2022-01-04	2021-07-02	Digital certificate management method and apparatus, and electronic device	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,089	11218402	2022-01-04	2021-06-29	Blockchain systems, and message transmission methods and apparatuses	He Sun; Chao Zeng; Jiang Wang;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,090	11218409	2022-01-04	2019-10-16	Decentralized content fabric	Michelle Munson; Serban Simu;	Eluvio, Inc.;
3,091	11218457	2022-01-04	2019-11-17	Establishment of consortium blockchain network	Mark Russinovich; Manuel Costa; Matthew Kerner; Thomas Moscibroda;	Microsoft Technology Licensing, LLC;
3,092	11207584	2021-12-28	2019-11-23	Smart device	Bao Tran; Ha Tran;	
3,093	11210203	2021-12-28	2019-04-22	Testing platform for blockchain networks	Ge Jin; Kailai Shao; Pengtao Qi;	Advanced New Technologies Co., Ltd.;
3,094	11210369	2021-12-28	2019-01-18	Systems and methods of digital content certification and verification using cryptography and blockchain	Akbar Ansari; Thomas Fay; Adnan Ali Lone;	Nasdaq, Inc.;
3,095	11210372	2021-12-28	2017-05-12	Method and system for verifying ownership of a digital asset using a distributed hash table and a peer-to-peer distributed ledger	Stephane Savanah; Craig Steven Wright;	Nchain Holdings Limited;
3,096	11210404	2021-12-28	2019-06-14	Blockchain-based state verifications of software component vulnerability database for software products	Michael F Angelo; Lloyd L Burch; Baha Masoud;	Netiq Corporation;
3,097	11210416	2021-12-28	2019-05-31	System and method for maintaining graphs having a policy engine and blockchain	Rajeev Garg; Adam Edgar; Sarah L Green; Roderic Paulk; Sheldon Kent Meredith;	At&t Intellectual Property I, L.p.;
3,098	11210426	2021-12-28	2016-09-09	Tracing objects across different parties	Ying Yan; Yang Chen; Thomas Moscibroda; Eric Chang; Jinglei Ren; Liang Chen; Yanjie Gao;	Microsoft Technology Licensing, LLC;
3,099	11210512	2021-12-28	2019-01-25	Fingerprinting of physical objects	Joseph Ligman; Venkat K Balagurusamy;	International Business Machines Corporation;
3,100	11210653	2021-12-28	2017-10-26	Method and system for prevention of fraudulent gift cards via blockchain	Ankur Arora; Shuvam Sengupta; Nishant Maheshwari; Jaipal Singh Kumawat; Vikas Bishnoi;	Mastercard International Incorporated;

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3,101	11210660	2021-12-28	2021-03-19	Obtaining a blockchain-based, real-name, electronic bill	Zhenyu Yang; Longsheng Qing; Ge Jin; Zhen Sun; Xueqing Yang; Zhenzhong Meng; Yu Chu;	Advanced New Technologies Co., Ltd.;
3,102	11210663	2021-12-28	2016-11-30	Digital asset zero-custody switch	Erik Voorhees;	Shapeshift Ag;
3,103	11210734	2021-12-28	2018-05-09	Approving and updating dynamic mortgage applications	Benjamin Tarmann; Richard R Rhodes; Lokesh Awasthy; Denise DeRoeck; Jaime Skaggs; Jacob J Alt; Shanna L Phillips; Shyam Tummala; Matthew S Meierotto; Richard D Groonwald; Brian J Hughes;	State Farm Mutual Automobile Insurance Company;
3,104	11210743	2021-12-28	2020-04-21	Blockchain-based data processing system, method, computing device and storage medium	Mingliang Wang;	Advanced New Technologies Co., Ltd.;
3,105	11210751	2021-12-28	2020-01-14	Targeting energy units in a blockchain	Howard N Anglin; Su Liu; Fehmina Merchant; Leucir Marin, Jr;	International Business Machines Corporation;
3,106	11212075	2021-12-28	2018-03-27	Method and apparatus for achieving a target transaction rate in a blockchain network	Simon Borst; Anwar Walid;	Nokia Technologies Oy;
3,107	11212076	2021-12-28	2018-09-19	Distributed platform for computation and trusted validation	Ravi Kiran Raman; Kush R Varshney; Roman Vaculin; Michael Hind; Sekou L Remy; Eleftheria K Pissadaki; Nelson K Bore;	International Business Machines Corporation;
3,108	11212077	2021-12-28	2018-10-23	Authentication of messages sent across a network of multiple data centers	Xueqiang Ma;	Cisco Technology, Inc.;
3,109	11212081	2021-12-28	2017-02-24	Method for signing a new block in a decentralized blockchain consensus network	Ghassan Karame; Jens-Matthias Bohli; Wenting Li;	Nec Corporation;
3,110	11212084	2021-12-28	2019-07-04	System and a method for signing transactions using air-gapped private keys	Kamil Rafal Gancarz;	Fundacja "blockchain Development Foundation";
3,111	11212093	2021-12-28	2019-09-11	Method of social key recovery and related device	Hsien-Chun Chiu; I-Hui Lu; Cheng-Chang Tsai; Ting-Hung Chu; Chun-Hao Lin; Han-Kuan Yu; Chang-Yi Lee;	Htc Corporation;
3,112	11212094	2021-12-28	2018-09-27	Joint blind key escrow	Jesus Diaz Vico; Carlos Kuchkovsky Jimenez; Louie Gasparini;	Banco Bilbao Vizcaya Argentaria, S.a.;
3,113	11212104	2021-12-28	2020-12-30	Blockchain-based trustable guarantees	Xuming Lu; Hui Zhou; Guojun Ye;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,114	11212107	2021-12-28	2020-11-13	Decentralized database optimizations	James Douglas Beecham; Justin W Fly; Christopher Edward Struttmann; Scott Nathaniel Goldfarb; Jackson Chaiken; Thomas Daly; Judson Benton Locke; Mark Snellman;	Altr Solutions, Inc.;
3,115	11212110	2021-12-28	2019-03-26	Quantum-safe blockchain vault system	Phillip H Griffin;	Wells Fargo Bank, N.a.;
3,116	11212114	2021-12-28	2021-05-24	Cross-chain interactions using a domain name scheme in blockchain systems	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,117	11212247	2021-12-28	2020-09-03	Systems and methods for fair information exchange using publish-subscribe with blockchain	Ned M Smith; Michael Nolan; Davide Carboni;	Intel Corporation;
3,118	11212268	2021-12-28	2020-10-07	Method and system for identity and access management for blockchain interoperability	Vijay Madisetti; Arshdeep Bahga;	
3,119	11212347	2021-12-28	2019-02-05	Private content storage with public blockchain metadata	Thomas Zakrzewski; Marcus Isaac Daley;	S&p Global Inc.;
3,120	11212371	2021-12-28	2021-01-29	Operation request allocation methods, apparatuses, and devices	Yanpeng Li;	Advanced New Technologies Co., Ltd.;

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3,121	11212397	2021-12-28	2020-06-30	Image reading system, image forming system, and image reading method for dividing each area into blockchains	Naohiko Kosaka;	Kyocera Document Solutions Inc.;
3,122	11212665	2021-12-28	2017-09-20	Embedded SIM management system, node device, embedded SIM management method, program, and information registrant device	Tetsuo Inoue;	Nec Corporation;
3,123	11212871	2021-12-28	2020-01-16	Network of trust with blockchain	Adam R Koeppel; James Zarakas; Molly Johnson; Tyler Locke; Rajko Ilincic; Kevan Emmott;	Capital One Services, LLC;
3,124	11210640	2021-12-28	2019-12-19	Blockchain for asset management	Casey C Krueger;	The Boeing Company;
3,125	11204597	2021-12-21	2017-12-20	Outer space digital logistics system	George L Small; James F van Oss; James A Regenor; Paul K Guerrier; George Baggs; Jason C Jones;	Moog Gmbh;
3,126	11204751	2021-12-21	2018-09-07	Mitigating incompatibilities due to code updates in a system containing multiple networked electronic control units	Naghmana Majed; Jenny S Li; Elezaveta Koumpan; Gopal Indurkhya;	International Business Machines Corporation;
3,127	11204894	2021-12-21	2021-03-24	Information read/write method and apparatus based on blockchain	Duofeng Hu;	Advanced New Technologies Co., Ltd.;
3,128	11204915	2021-12-21	2021-01-25	Blockchain-based data storage and query method and device	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,129	11204919	2021-12-21	2020-01-03	Optimizing queries and other retrieve operations in a blockchain	Andres Garagiola; Jeronimo Irazabal; Raul Laprida; Guillermo R Lopez; Diego Masini; Dulce B Ponceleon;	International Business Machines Corporation;
3,130	11204939	2021-12-21	2018-07-18	Data manifest as a blockchain service	Vishal Patangia; Mark Standring; Vasudevan Atteeri; Matthew Steed;	Bank of America Corporation;
3,131	11205162	2021-12-21	2020-06-02	Composite keys for authorization policies	Michael Christopher Hearn; Qurratul Ain Shams Asari;	R3 Ltd.;
3,132	11205172	2021-12-21	2019-03-13	Factom protocol in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
3,133	11205223	2021-12-21	2021-06-29	Blockchain-based service processing methods and apparatuses	Shanlu Sun; Ping Dai; Diaolong Tang; Xiao Wu;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,134	11206127	2021-12-21	2020-11-20	Blockchain-based verifiable inter-domain routing validation method	Yaping Liu; Binxing Fang; Shuo Zhang; Zhe Li; Qingyuan Li;	Guangzhou University;
3,135	11206194	2021-12-21	2019-08-28	Authorization for access to functions in a network slice	Tracy L Nelson; Lyle W Paczkowski;	Sprint Communications Comapny L.p.;
3,136	11206272	2021-12-21	2017-08-28	System and method for determining or monitoring a process variable in an automation plant	Michael Maneval; Michael Mayer; Ingomar Sotriffer;	Endress + Hauser Process Solutions Ag;
3,137	11206279	2021-12-21	2019-10-28	Systems and methods for detecting and validating cyber threats	Olawale Oluwadamilere Omotayo Dada;	
3,138	11206280	2021-12-21	2019-11-04	Cyber security threat management	Olawale Oluwadamilere Omotayo Dada;	
3,139	11206283	2021-12-21	2021-04-12	Security management of devices using blockchain technology	Paul Giura;	At&t Intellectual Property I, L.p.;
3,140	11205178	2021-12-21	2017-12-28	Converting processes into multiple blockchain smart contracts	Vishal S Batra; Praveen Jayachandran; Shachi Sharma; Abhishek Singh;	International Business Machines Corporation;

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3,141	11206138	2021-12-21	2019-10-16	Biosignature-based tokenization of assets in a blockchain	James C Canterbury; Shyam Bharat Khatau; Parvez Hakim;	Ernst & Young U.S. Llp; Eygs Llp;
3,142	11200225	2021-12-14	2019-11-15	Method and blockchain for constructing sub blockchain in blockchain system comprising distributed network of plurality of nodes	Paul Park;	Nhn Corporation;
3,143	11200226	2021-12-14	2021-01-28	Data read and write method and apparatus, and electronic device	Benquan Yu; Zhonghao Lu; Haizhen Zhuo; Faqiang Wang;	Advanced New Technologies Co., Ltd.;
3,144	11200260	2021-12-14	2019-06-11	Database asset fulfillment chaincode deployment	Petr Novotny; Qi Zhang; Salman Abdul Baset;	International Business Machines Corporation;
3,145	11200329	2021-12-14	2021-02-16	Fast access to a data resource update in a blockchain network	Ian Holsman; Bartow Wyatt;	Block.one;
3,146	11200564	2021-12-14	2016-03-31	Systems and methods of blockchain transaction recordation	Thomas Fay; Dominick Paniscotti;	Nasdaq, Inc.;
3,147	11200569	2021-12-14	2019-06-25	System, method and program product for making payments using fiat-backed digital assets	Daniel William Halley James; Brandon Arvanaghi; Cem Paya; Eric Winer; Cameron Howard Winklevoss; Tyler Howard Winklevoss;	Winklevoss Ip, LLC;
3,148	11200570	2021-12-14	2020-12-30	Blockchain-based trustable guarantees	Xuming Lu; Hui Zhou; Guojun Ye;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,149	11200583	2021-12-14	2019-03-21	Using surface textures as unique identifiers for tracking material with a distributed ledger	Gregory M Wagner; Matthew T Young;	Raytheon Company;
3,150	11200595	2021-12-14	2018-12-31	Method and system for spam prevention in blockchain advertising	Chandan Garg; Meenakshi Shandilya; Jaipal Singh Kumawat;	Mastercard International Incorporated;
3,151	11201665	2021-12-14	2020-04-04	Method to integrate blockchain and geographic information in distributed communication	Hsun Chao; Apoorv Maheshwari; Daniel DeLaurentis;	Purdue Research Foundation;
3,152	11201726	2021-12-14	2019-05-02	Multi-layered image encoding for data block	Adam L Griffin; Srinivas B Tummalapenta; Gary I Givental; Wesley A Khademi; Aankur Bhatia;	International Business Machines Corporation;
3,153	11201727	2021-12-14	2019-03-27	System and method for managing user interactions with a blockchain	Shifeng Wang;	Advanced New Technologies Co., Ltd.;
3,154	11201728	2021-12-14	2019-09-30	Data leakage mitigation with a blockchain	Antoine Bouchard; Eric Wuehler; Jonathan B King;	Mcafee, Inc.;
3,155	11201742	2021-12-14	2020-12-31	Blockchain-based trustable guarantees	Xuming Lu; Jiayi Shao;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,156	11201746	2021-12-14	2019-08-01	Blockchain access control system	Sridhar Ranganathan;	Accenture Global Solutions Limited;
3,157	11201747	2021-12-14	2019-07-15	Federated data management between partner systems	Arne Scherrer; Ricarda Bethge; Mathias Held; Mehran Shakeri; David Rauch;	Sap Se;
3,158	11201870	2021-12-14	2021-03-15	Using commit tokens to coordinate permissions submissions to address transaction conflict in blockchain systems	Zheng Liu; Lichun Li; Shan Yin;	Advanced New Technologies Co., Ltd.;
3,159	11194788	2021-12-07	2018-11-12	Involved node availability	Jeremy R Fox; Liam R Harpur; Chris Kau; John Rice;	International Business Machines Corporation;
3,160	11194791	2021-12-07	2020-10-23	Blockchain orchestrator computer system	Andrew Baine; Alexander I Semenyuk; Brian Gapinski; Brandon Waite; Robert Christensen;	Coinbase Crypto Services, Llc.;

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3,161	11194792	2021-12-07	2020-10-30	Taking snapshots of blockchain data	Zhonghao Lu;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,162	11194889	2021-12-07	2016-12-15	Methods, apparatuses, computer programs, computer program products and systems for sharing content	Tommy Arngren; Johan Kristiansson;	Telefonaktiebolaget Lm Ericsson (publ);
3,163	11194898	2021-12-07	2017-02-14	Agent-based turing complete transactions integrating feedback within a blockchain system	Craig Steven Wright; Stephane Savanah;	Nchain Holdings Limited;
3,164	11194919	2021-12-07	2019-05-17	Cognitive system for managing consent to user data	Jignesh K Karia; Michael Edward Alexander; Debojyoti Das; Deepa Dubey; Jitan Chandanani; Dipayan Ghosh; Steven Layne Canepa;	International Business Machines Corporation;
3,165	11194932	2021-12-07	2018-06-06	Civil project and materials management on a blockchain	Shantanu Sinha; Proshanta Sarkar; Santanu Mitra; Diptiman Dasgupta;	International Business Machines Corporation;
3,166	11194961	2021-12-07	2018-12-31	Systems, methods, and apparatuses for adding a document history graph and corresponding hash value to a blockchain in a cloud based computing environment	Chi Wang; Edet Edet Nkposong;	Salesforce.com, Inc.;
3,167	11195145	2021-12-07	2019-10-03	Blockchain ledgers of material spectral signatures for supply chain integrity management	Nicholas C M Fuller; Prabhakar Kudva; Deborah Ann Neumayer;	International Business Machines Corporation;
3,168	11195177	2021-12-07	2016-11-30	Distributed ledger systems for tracking recurring transaction authorizations	Gunjan Vijayvergia;	United Services Automobile Association (usaa);
3,169	11195179	2021-12-07	2018-10-31	Detecting cashback and other related reimbursement frauds using blockchain technology	Shubham Gupta;	Dell Products Inc.;
3,170	11195180	2021-12-07	2019-01-25	Virtual blockchain	Peng Hui Jiang; Xin Peng Liu; Michael Bässler; Guang Han Sui; Ying Chun Guo; Jian Nan Guo;	International Business Machines Corporation;
3,171	11195231	2021-12-07	2021-02-24	Transaction processing in a service blockchain	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,172	11195365	2021-12-07	2020-06-01	Parking charging method, apparatus, and electronic device	Guofei Jiang;	Advanced New Technologies Co., Ltd.;
3,173	11195371	2021-12-07	2020-06-15	Preparation and installation of gaming devices using blockchain	Nimish Purohit; Garrett Hill; Eric Taylor;	Aristocrat Technologies, Inc.;
3,174	11196542	2021-12-07	2018-08-29	Checkpointing for increasing efficiency of a blockchain	Senthilnathan Natarajan; Chander Govindarajan; Manish Sethi; Adarsh Saraf;	International Business Machines Corporation;
3,175	11196545	2021-12-07	2020-05-06	Methods and systems for crowdsourcing an outcome to an issue	Joseph Santilli; Benjamin Casha;	
3,176	11196551	2021-12-07	2018-06-27	Automated task management on a blockchain based on predictive and analytical analysis	Komminist Weldemariam; James R Kozloski; Michael S Gordon; Maja Vukovic; Elizabeth Ondula;	International Business Machines Corporation;
3,177	11196568	2021-12-07	2019-01-07	Identity protection	Ruslan Ardashev; Nitin Gaur;	International Business Machines Corporation;
3,178	11196569	2021-12-07	2019-09-11	Systems and methods for accuracy and attestation of validity of data shared in a secure distributed environment	Alexander Bessonov; Patrick Tague; Mark Shwartzman; Stephen Winston; Vadim Gore;	Bitclave Pte. Ltd.;
3,179	11196570	2021-12-07	2019-10-07	Cryptologic blockchain interoperability membership system	Hugo Borne-Pons; Abdoulaye Faye;	Accenture Global Solutions Limited;
3,180	11196572	2021-12-07	2021-04-20	Blockchain-based content verification	Wei Ding; Zhiguo Li;	Advanced New Technologies Co., Ltd.;

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3,181	11196573	2021-12-07	2017-03-06	Secure de-centralized domain name system	Troels Roennow; Enrique Martin Lopez; Hongwei Li; Karina Palyutina;	Nokia Technologies Oy;
3,182	11196745	2021-12-07	2020-10-05	Blockchain-based account management	Yawen Wei;	Advanced New Technologies Co., Ltd.;
3,183	11196755	2021-12-07	2021-01-30	Cross-blockchain interaction systems	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,184	11196771	2021-12-07	2019-07-16	Multi-domain blockchain network with data flow control	Timothy Olson; Petr Novotny;	International Business Machines Corporation;
3,185	11194531	2021-12-07	2020-05-29	Self-organizing fault-tolerant distributed printing using blockchain	Eric de Beus;	Kyocera Document Solutions Inc.;
3,186	11194837	2021-12-07	2018-05-01	Blockchain implementing cross-chain transactions	Hoang Tam Vo; Lenin Mehedy; Mukesh K Mohania; Ziyuan Wang; Ermyas Abebe;	International Business Machines Corporation;
3,187	11194911	2021-12-07	2018-07-10	Blockchain technique for agile software development framework	Xianjun Zhu; Jarett Stein; Hin Ting Chui; Bradley C Herrin;	International Business Machines Corporation;
3,188	11196543	2021-12-07	2018-09-05	Minimum evidence calculation in blockchain transactions	Jeronimo Irazabal;	International Business Machines Corporation;
3,189	11196747	2021-12-07	2017-12-07	Automated event processing computing platform for handling and enriching blockchain data	Jisoo Lee; John C Checco; William August Stahlhut; Joseph Castinado; Brad Romano; Suki Ramasamy; Patrick Nicholas Lawrence; Lekha Ananthakrishnan;	Bank of America Corporation;
3,190	11186196	2021-11-30	2018-11-09	Managing the provisioning of electricity for an electric vehicle	Deependra Kumar Singh; Abhay Patra; Harish Bharti; Rajesh Kumar Saxena;	International Business Machines Corporation;
3,191	11188384	2021-11-30	2019-04-15	Resource trust model for securing component state data for a resource using blockchains	Michael Chan; Derek Chamorro; Venkata Siva Vijayendra Bhamidipati; Arpit Jain;	Ebay, Incorporated;
3,192	11188418	2021-11-30	2020-04-17	Shared blockchain data storage based on error correction code	Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
3,193	11188521	2021-11-30	2019-06-05	Flexible transaction validation	Maysa Malfiza Garcia de Macedo; Ana Paula Appel; Percival Silva de Lucena; Marcia Ito;	International Business Machines Corporation;
3,194	11188660	2021-11-30	2020-12-03	Blockchain-based image processing method and apparatus	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
3,195	11188673	2021-11-30	2020-01-29	Systems and methods for securing and disseminating time sensitive information using a blockchain	Akbar Ansari; Thomas Fay; Dominick Paniscotti;	Nasdaq, Inc.;
3,196	11188874	2021-11-30	2021-02-09	Block chain-based claim settlement method and apparatus	Sui Ma;	Advanced New Technologies Co., Ltd.;
3,197	11188883	2021-11-30	2016-09-23	Using ledger sensors to enable contextual contracts across various enterprise blockchain applications	Konstantinos Christidis; Anna D Derbakova; Nitin Gaur; Praveen Jayachandran; Srinivasan Muralidharan;	International Business Machines Corporation;
3,198	11188896	2021-11-30	2020-08-06	Smart contract of a blockchain for management of cryptocurrencies	Eyal Hertzog; Yehuda Levi; Barak Manos; Asaf Shachaf; Guy Ben Artzi;	Bprotocol Foundation;
3,199	11188907	2021-11-30	2016-08-22	ACH authorization validation using public blockchains	Gunjan Vijayvergia; Joseph Matthew Doddato; Dorothy Jean Bolt; Michael L Hertz;	United Services Automobile Association (usaa);
3,200	11188910	2021-11-30	2020-05-15	Blockchain-based reconciliation system, method, and apparatus and electronic device	Fanding Yang;	Advanced New Technologies Co., Ltd.;

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3,201	11188911	2021-11-30	2019-08-21	Object oriented smart contracts for UTXO-based blockchains	Clemens Ley;	Bcdb, Inc.;
3,202	11188920	2021-11-30	2018-05-23	Autocommit transaction management in a blockchain network	Jeronimo Irazabal; Andres Garagiola; Diego A Masini; Dulce B Ponceleon;	International Business Machines Corporation;
3,203	11188961	2021-11-30	2019-10-25	Service execution method and device	Qiang Tang;	Advanced New Technologies Co., Ltd.;
3,204	11189131	2021-11-30	2021-03-09	System and method for blockchain tokens for gaming	George Michael Weiksner; George Bolden Weiksner; Timothy Ryan Tello;	Pocketful of Quarters, Inc.;
3,205	11190338	2021-11-30	2018-06-19	Selective viewability of data in a blockchain	Michael Randolph Corey; Daniel K Chapsky; Erik Taubeneck; Ionela-Roxana Danila; Yu-Yu Lin;	Facebook, Inc.;
3,206	11190342	2021-11-30	2021-02-22	Transaction processing in a service blockchain	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,207	11190360	2021-11-30	2016-12-23	Method, apparatus, node, signature device and system for generating block of blockchain	Jian Wang; Hui Xie;	Cloudminds (shanghai) Robotics Co., Ltd.;
3,208	11190520	2021-11-30	2019-01-29	Blockchain smart contracts for digital asset access	Marc Edward Mercuri; Paayal Vora; Raj Shekhar Shukla;	Microsoft Technology Licensing, LLC;
3,209	11190525	2021-11-30	2017-08-18	Blockchain system and permission management method thereof	Yueyang Zhang; Hui Xie;	Cloudminds (shanghai) Robotics Co., Ltd.;
3,210	11188900	2021-11-30	2016-12-01	Method and system for payment card verification via blockchain	Ankur Arora;	Mastercard International Incorporated;
3,211	11188909	2021-11-30	2019-09-27	Automated event processing computing platform for handling and enriching blockchain data	Jisoo Lee; John C Checco; William August Stahlhut; Joseph Castinado; Brad Romano; Suki Ramasamy; Patrick Nicholas Lawrence; Lekha Ananthakrishnan;	Bank of America Corporation;
3,212	11188977	2021-11-30	2018-03-08	Method for creating commodity assets from unrefined commodity reserves utilizing blockchain and distributed ledger technology	Christopher Youb; Scott Mehlman; Michael Zimits; Bruce Youb;	Stichting Ip-oversight;
3,213	11182380	2021-11-23	2018-06-25	Flow control for probabilistic relay in a blockchain network	Giuseppe Destefanis; Simone Madeo; Patrick Motylinski; Stephane Vincent; Alexandra Covaci;	Nchain Licensing Ag;
3,214	11182403	2021-11-23	2020-05-05	Systems and methods of launching new nodes in a blockchain network	Evgeny Aseev;	Chainstack Pte. Ltd.;
3,215	11182726	2021-11-23	2019-03-28	Blockchain-based system for analyzing and tracking work performance	Eric Koenig; Lisa Marks-Canty;	Nest Global Solutions, LLC;
3,216	11182782	2021-11-23	2017-02-14	Tokenisation method and system for implementing exchanges on a blockchain	Craig Steven Wright; Stephane Savanah;	Nchain Holdings Limited;
3,217	11182786	2021-11-23	2020-01-29	System and method for processing secure transactions using account-transferable transaction cards	Austin Walters; Vincent Pham; Jeremy Goodsitt;	Capital One Services, LLC;
3,218	11182788	2021-11-23	2020-12-30	Blockchain-based trustable guarantees	Xuming Lu; Hui Zhou; Guojun Ye;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,219	11182851	2021-11-23	2016-10-20	Inter-ledger messaging in a blockchain	Anna D Derbakova; Nitin Gaur; Praveen Jayachandran; Srinivasan Muralidharan;	International Business Machines Corporation;
3,220	11182866	2021-11-23	2019-02-20	Digital property authentication and management system	Lewis C Lee; Daniel Crouse; David Craig Andrews; Samuel Cameron Fleming;	Aon Risk Services, Inc. of Maryland;

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3,221	11182867	2021-11-23	2020-10-23	Method and system of storing record of copyright event based on blockchain	Xinying Yang;	Advanced New Technologies Co., Ltd.;
3,222	11182979	2021-11-23	2020-12-18	Augmented reality remote authoring and social media platform and system	John T Daly;	
3,223	11184151	2021-11-23	2018-07-09	Devices for providing a set of cryptographically secured and filtered and sorted transaction data sets of a block of a blockchain	Rainer Falk;	Siemens Aktiengesellschaft;
3,224	11184174	2021-11-23	2019-06-07	System and method for decentralized digital structured data storage, management, and authentication using blockchain	Alexander Sheung Lai Wong;	
3,225	11184175	2021-11-23	2018-07-30	Systems and methods for using secured representations of location and user distributed ledger addresses to prove user presence at a location and time	Abilash Soundararajan; Michael Reid Tennefoss;	Hewlett Packard Enterprise Development LP;
3,226	11184395	2021-11-23	2020-05-13	Cross-network identity provisioning	Petr Novotny; Timothy Olson; Venkatraman Ramakrishna; Nitin Gaur;	International Business Machines Corporation;
3,227	11184436	2021-11-23	2020-03-02	Automated storage selection with blockchain and NLP	Nadiya Kochura; Abhishek Malvankar; Shikhar Kwatra; Jeronimo Irazabal;	International Business Machines Corporation;
3,228	11184437	2021-11-23	2021-05-14	Decentralized computation system architecture based on node specialization	Dietrich Theodore Shirley; Fabiano Pereira Soriani; Christopher Patrick Scott; Layne Lafrance;	Dapper Labs, Inc.;
3,229	11184446	2021-11-23	2018-12-05	Methods and apparatus for incentivizing participation in fog networks	Richard Cameron Murphy; Fa-Long Luo;	Micron Technology Incorporated;
3,230	11182787	2021-11-23	2018-11-07	System and method for scaling blockchain networks with secure off-chain payment hubs	Ramy Abdelmageed Ebrahim Khalil; Arthur Gervais;	Liquidchain Ag;
3,231	11184367	2021-11-23	2020-04-21	Applying blockchain to a sensor tracker	Ambrose Kam; Hiren Patel; Alexander Richard Vesey;	Lockheed Martin Corporation;
3,232	11175987	2021-11-16	2019-12-13	Shared blockchain data storage based on error correction code	Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
3,233	11176093	2021-11-16	2018-11-29	Defensible disposition of data	Vugranam C Sreedhar; Emi K Olsson;	International Business Machines Corporation;
3,234	11176170	2021-11-16	2021-01-28	Blockchain-based data processing methods and apparatuses and computer devices	Ziyuan Luo; Lindong Liu;	Advanced New Technologies Co., Ltd.;
3,235	11176225	2021-11-16	2019-12-02	Computer-implemented method, a system, and computer programs for digital files management and preservation in digital licenses	Viktor Nordstrom; Victor Muñoz Sola; Jose Luis De La Rosa I Esteva;	
3,236	11176226	2021-11-16	2021-03-10	Secure messaging service with digital rights management using blockchain technology	Robert Bernardi;	Avila Technology, LLC;
3,237	11176257	2021-11-16	2019-08-13	Reducing risk of smart contracts in a blockchain	Stefano Braghin; Emanuele Ragnoli; Killian Levacher;	International Business Machines Corporation;
3,238	11176259	2021-11-16	2019-03-19	Authentication circuit, electronic system including the same, and method of forming network	Jae Min Kim; Jae Won Lee; Junho Huh;	Samsung Electronics Co., Ltd.;
3,239	11176273	2021-11-16	2019-05-06	Privacy-preserving anomalous behavior detection	Rishi Saket; Vinayaka Pandit; Pankaj S Dayama; Nitin Singh;	International Business Machines Corporation;
3,240	11176277	2021-11-16	2019-11-11	Automatic generating analytics from blockchain data	Gennaro A Cuomo; Donna N Dillenberger; Fenno F Heath, III; Rong Liu; Roman Vaculin;	International Business Machines Corporation;

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3,241	11176506	2021-11-16	2016-10-14	Blockchain expense and resource utilization optimization	Rafal P Konik; Roger A Mittelstadt; Brian R Muras; Chad A Olstad;	International Business Machines Corporation;
3,242	11176519	2021-11-16	2016-11-11	Smart contract admission check and fault tolerance in a blockchain	Vishal S Batra; Pralhad D Deshpande; Praveen Jayachandran; Palanivel A Kodeswaran; Venkatraman Ramakrishna; Sayandeep Sen;	International Business Machines Corporation;
3,243	11176571	2021-11-16	2019-09-06	Methods and system for serving targeted advertisements to a consumer device	Aaron Brown; Tom Bollich; Adam Helfgott; Rebecca Lerner; Nelson Hunter Prendergast; Nikolaos Melissaris Papanikolaou;	
3,244	11176609	2021-11-16	2017-12-12	Smart device and tracking system	Chee Kean Lim; Kia Boon Chew; Yihang Huang; Heng Wee Chin; Hian Leong Ong; Eng Guan Ng;	Ascent Solutions Pte Ltd; 1citadel Pte. Ltd.;
3,245	11177938	2021-11-16	2019-04-19	Database composite endorsement	Hong Wei Sun; Yan Rong Shen; Xi Xue Jia; Shuai Wang; Bin Jia;	International Business Machines Corporation;
3,246	11177939	2021-11-16	2019-09-18	Blockchain system including a distributed network of a plurality of nodes and a method for achieving an agreement between the plurality of nodes executed by processors of the block chain system	Junghwa Baek; SeungJae Lee; Soo Kyoung Seol; Yoonsun Kye; Min Tae Kim; Sin Seok Kim; Kiho Na; Wonkeun Lee; Suhyeon Jeong; Heetae Lyu; HeeJae Myeong;	Nhn Corporation;
3,247	11177941	2021-11-16	2020-05-06	Methods and systems for a heterogeneous multi-chain framework	Gavin Wood; Robert Habermeier;	Parity Technologies Ltd.;
3,248	11177943	2021-11-16	2019-11-26	Digital electronic device based on dual blockchain having virtual blockchain and operation method thereof	SungMyun Song; SangZee Lee; JinHa Park;	Pushpull System Co., Ltd.;
3,249	11177959	2021-11-16	2020-05-04	Cryptography method and system for securing data via electronic transmission	Thomas J Waters; Richard H Waters; Robert N Barrett;	
3,250	11177961	2021-11-16	2018-09-26	Method and system for securely sharing validation information using blockchain technology	Sebastien Andreina; Ghassan Karame;	Nec Corporation;
3,251	11177962	2021-11-16	2019-11-25	Optimizations for verification of interactions system and method	Mahdi Zamani; Lucianna Kiffer; Karl Benedikt Bunz;	Visa International Service Association;
3,252	11177964	2021-11-16	2019-01-25	Blockchain based authentication	Leigh S McLean; Narayana A Madineni;	International Business Machines Corporation;
3,253	11178151	2021-11-16	2018-12-19	Decentralized database identity management system	Kapil Kumar Singh; Suresh N Chari; Ashish Kundu; Sridhar Muppidi; Dong Su;	International Business Machines Corporation;
3,254	11178157	2021-11-16	2020-01-28	Data and source validation for equipment output data or equipment failure prediction using blockchains	Steven M Casey; Kevin M McBride; William O'Brien, Jr; Stephen Opferman;	Centurylink Intellectual Property LLC;
3,255	11176101	2021-11-16	2018-02-05	System and method for decentralized regulation and hierarchical control of blockchain architecture	Eren Kursun;	Bank of America Corporation;
3,256	11169976	2021-11-09	2019-06-11	Data quality control	Sai Koti Reddy Danda; Pankaj S Dayama; Priyanka Agrawal; Srikanth Govindaraj Tamilselvam; Amrita Saha;	International Business Machines Corporation;
3,257	11169985	2021-11-09	2019-01-29	System and method for supporting SQL-based rich queries in hyperledger fabric blockchains	Carlo Innocenti;	Oracle International Corporation;
3,258	11170092	2021-11-09	2018-05-02	Document authentication certification with blockchain and distributed ledger techniques	Minya Liang;	United Services Automobile Association (usaa);
3,259	11170097	2021-11-09	2019-05-20	Secure authentication server for smart contract	Jong Hyeon Kim;	
3,260	11170108	2021-11-09	2018-11-19	Blockchain technique for immutable source control	Bradley C Herrin; Xianjun Zhu; Bo Zhang; Alexander Sobran;	International Business Machines Corporation;

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3,261	11170128	2021-11-09	2019-02-27	Information security using blockchains	Manu J Kurian;	Bank of America Corporation;
3,262	11170346	2021-11-09	2016-12-20	Decentralized credentials verification network	Nethaji Tummuru; Surbhi Sheth-Shah; Michael Kunzmann; Sanjay Shirole; Jun Meng;	Sap Se;
3,263	11170366	2021-11-09	2018-05-18	Private blockchain services	Paul Snow;	Inveniam Capital Partners, Inc.;
3,264	11170371	2021-11-09	2016-03-03	Method for managing data in a network of nodes	Ghassan Karame; Wenting Li;	Nec Corporation;
3,265	11170374	2021-11-09	2020-03-13	Method, apparatus and electronic device for blockchain transactions	Lichun Li; Wenbin Zhang; Baoli Ma; Zheng Liu; Shan Yin;	Advanced New Technologies Co., Ltd.;
3,266	11170376	2021-11-09	2019-05-29	Informational and analytical system and method for ensuring the level of trust, control and secure interaction of counterparties when using electronic currencies and contracts	Roland Kavali;	Vivigle, Inc.;
3,267	11170386	2021-11-09	2019-12-13	Environmental telemetry supply chain system	Richard T Meszaros;	Accenture Global Solutions Limited;
3,268	11170437	2021-11-09	2020-05-29	Blockchain-based financing	Xinying Yang;	Advanced New Technologies Co., Ltd.;
3,269	11170457	2021-11-09	2020-03-26	Transaction management method, communication terminal, and method of exploitation right management	Madoka Sakaitani; Kenichi Mogi;	Artrigger Inc.;
3,270	11171774	2021-11-09	2018-11-28	System for synchronizing a cryptographic key state through a blockchain	Matthew D Wood;	Intel Corporation;
3,271	11171781	2021-11-09	2018-07-20	System and method which using blockchain protects the privacy of access code and the identity of an individual seeking online access	Sal Khan;	
3,272	11171782	2021-11-09	2019-08-15	Identity and electronic signature verification in blockchain	Qiaochu Tang; Geoffrey Dagley; Stephen Wylie; Micah Price; Jason Hoover;	Capital One Services, LLC;
3,273	11171783	2021-11-09	2019-09-25	System and method for decentralized identity management, authentication and authorization of applications	Shyam Kumar Doddavula; Brijesh Balakrishnan;	Infosys Limited;
3,274	11171789	2021-11-09	2020-12-21	System and method for implementing a resolver service for decentralized identifiers	Yuqi Lin; Yuan Chen; Renhui Yang; Jiawei Liu;	Advanced New Technologies Co., Ltd.;
3,275	11171845	2021-11-09	2020-01-03	QoS-optimized selection of a cloud microservices provider	Adrian Papacica; Todd Weston Arnold; Barry Michael Graham; Shenbaga Shankar; Alexandra Urman;	International Business Machines Corporation;
3,276	11172358	2021-11-09	2019-04-30	Blockchain-based front-end orchestrator for user plane network functions of a 5G network	Arturo Maria;	At&t Mobility Ii LLC;
3,277	11172374	2021-11-09	2019-10-22	Systems and methods for building and funding communication networks	Kevin Ross; Muhammad Ahsan Naim;	
3,278	11161409	2021-11-02	2020-10-21	Systems and methods to securely limit drivability of a vehicle by impaired users	Mahmoud Ghannam; Mark Cuddihy; Brian Bennie; Srinivasan Sundararajan; Doug Thornburg;	Ford Global Technologies, LLC;
3,279	11163775	2021-11-02	2020-12-21	System and method for implementing a blockchain-based decentralized application	Shanlu Sun; Shubo Li;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,280	11163855	2021-11-02	2021-04-14	Authenticating media data based on steganographic and blockchain techniques	Jason Lealand Crawforth; Michael Robert Blood;	Deeptruth, LLC;

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3,281	11164165	2021-11-02	2017-04-10	Multi-asset blockchain network platform	Oleg Andreev; Adam Reese Ludwin; Devon Gundry; Ryan Robert Smith; Keith Allen Rarick;	Greenberg & Lieberman, LLC;
3,282	11164218	2021-11-02	2020-07-16	Media resource allocation method, apparatus, and system, storage medium, and computer device	Minghao Xi;	Tencent Technology (shenzhen) Company Limited;
3,283	11164254	2021-11-02	2020-07-01	Blockchain instrument for transferable equity	Thomas Marshall Gordon, III; Gregory Frederick Bush;	Equity Shift, Inc.;
3,284	11164267	2021-11-02	2020-02-27	Using blockchain to select energy-generating sources	Deependra Kumar Singh; Abhay Patra; Harish Bharti; Rajesh Kumar Saxena;	International Business Machines Corporation;
3,285	11164671	2021-11-02	2019-01-22	Continuous compliance auditing readiness and attestation in healthcare cloud solutions	Mario E De Armas;	International Business Machines Corporation;
3,286	11165559	2021-11-02	2019-01-07	Machine learning based video compression	Vijay Kumar Ananthapur Bache; Saravanan Sadacharam; Vijay Ekambaram; Jhilam Bera;	International Business Machines Corporation;
3,287	11165560	2021-11-02	2019-08-01	Secure transmission of electronic health records via blockchain	Noel J Guillama; Chester A Heath;	Quantum Group Inc.;
3,288	11165567	2021-11-02	2016-08-19	Permission information management system, and permission information management method	Shigeru Fujimura; Akihito Akutsu; Tomokazu Yamada; Atsushi Nakadaira; Junichi Kishigami;	Nippon Telegraph and Telephone Corporation;
3,289	11165576	2021-11-02	2020-11-27	System and method for creating decentralized identifiers	Jiawei Liu; Renhui Yang; Yuan Chen; Yuqi Lin;	Advanced New Technologies Co., Ltd.;
3,290	11165589	2021-11-02	2018-05-10	Trusted agent blockchain oracle	Mark Daniel Jackson;	Shapeshift Ag;
3,291	11165590	2021-11-02	2019-11-18	Decentralized biometric signing of digital contracts	Anthony M Butler; Ghada Dulaim; Victor Usobiaga;	International Business Machines Corporation;
3,292	11165756	2021-11-02	2018-06-11	Delayed-access encryption for blockchain field	Avradip Mandal; Arnab Roy; Hart Montgomery;	Fujitsu Corporation;
3,293	11165826	2021-11-02	2018-07-02	On-chain governance of blockchain	Meeta Vouk; Gari Singh; Jason K Yellick; Gennaro A Cuomo;	International Business Machines Corporation;
3,294	11165862	2021-11-02	2018-05-31	Systems and methods of blockchain platform for distributed applications	Thomas H Austin; Saswata Basu;	0chain Corp.;
3,295	11157055	2021-10-26	2018-10-05	Apparatus, methods, and systems for tracking vehicle battery usage with a blockchain	Andrew L Wells;	Toyota Motor North America, Inc.;
3,296	11157247	2021-10-26	2020-01-28	Cryptographic digital twin segregation system for development operations	Kapil Singi; Vikrant Kaulgud; Swapnajeet Gon Choudhury; Jagadeesh Chandra Bose R P; Vibhu Saujanya Sharma; Sanjay Podder; Adam Patten Burden;	Accenture Global Solutions Limited;
3,297	11157484	2021-10-26	2018-12-20	Advanced smart contract with decentralized ledger in a multi-tenant environment	Prithvi Krishnan Padmanabhan; Sri Naga Deepthi Velisetti; Philip Norman Calvin; Brent Fosdick;	Salesforce.com, Inc.;
3,298	11157639	2021-10-26	2019-09-10	Systems, processes, and computer program products for authentication of documents based on invisible information in documents	Dilinur Wushour;	Kyocera Document Solutions Inc.;
3,299	11157873	2021-10-26	2021-01-25	Blockchain-based program review system, method, computing device and storage medium	Sui Ma;	Advanced New Technologies Co., Ltd.;
3,300	11157876	2021-10-26	2018-04-12	Intelligent employment-based blockchain	Michal Knas; Jiby John; Krzysztof Gibadlo; Rick Ferry;	Massachusetts Mutual Life Insurance Company;

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3,301	11157887	2021-10-26	2020-12-11	Blockchain-based transaction kiosk	Mohammed Adham; Nathaniel Wood;	Bitaccess Inc.;
3,302	11157897	2021-10-26	2020-01-27	Methods and devices for managing access to account in blockchain system	Zhongxiao Yao;	Advanced New Technologies Co., Ltd.;
3,303	11157899	2021-10-26	2019-05-28	System and method for bootstrapping a separate proof of work chain	Jude Nelson; Aaron Blankstein;	Hiro Systems Pbc;
3,304	11157900	2021-10-26	2017-03-24	Method and system for offline data transfer via machine-readable code	Ankur Arora;	Mastercard International Incorporated;
3,305	11158014	2021-10-26	2021-02-03	System and methods for tracking authorship attribution and creating music publishing agreements from metadata	Robert Hatcher;	Aurign, Inc.;
3,306	11158021	2021-10-26	2019-05-23	System and method for intelligent blockchain ride sharing distribution of autonomous electric vehicles	Edward Lee;	Alpha Motor Corporation;
3,307	11159015	2021-10-26	2017-12-20	Method and apparatus for delivering electrical power to blockchain processing devices	Theodore Valkov Valkov;	
3,308	11159306	2021-10-26	2018-07-15	Autonomous exchange via entrusted ledger token and transaction management	Benedict Ow; Richard Stiles; Anthony Tan;	Duvon Corporation;
3,309	11159307	2021-10-26	2018-08-08	Ad-hoc trusted groups on a blockchain	Luis Angel D Bathen; Dulce B Ponceleon; Marc H Coq; Colette Manoni; Collin Walling; Corey McQuay; Eugene E Nitka; Trent Balta;	International Business Machines Corporation;
3,310	11159313	2021-10-26	2018-07-16	Methods and systems for blockchain-implemented event-lock encryption	John Fletcher;	Nchain Holdings Limited;
3,311	11159327	2021-10-26	2018-08-06	Blockchain augmentation of a material exchange format MXF file	Tyson York Winarski;	
3,312	11159334	2021-10-26	2016-10-04	Distribution of software signatures using a community catalog based on blockchain	Jagoda Kuzma; Bartlomiej T Malecki; Piotr Padkowski; Marek Peszt; Piotr J Walczak;	International Business Machines Corporation;
3,313	11159376	2021-10-26	2018-05-24	System and method for network infrastructure analysis and convergence	Franz F Liebinger Portela; Ricardo Golcher Ugalde; Carlos Gustavo Alfaro Briceno; Edgar A Zamora Duran;	International Business Machines Corporation;
3,314	11159391	2021-10-26	2019-01-08	Instantiation of a telco blockchain in a NFV environment	Fabio Aiello; Gary Dean Iosbaker;	Hewlett Packard Enterprise Development LP;
3,315	11159506	2021-10-26	2019-08-27	Authentication method and device, and blockchain-based authentication data processing method and device	Kejia Li;	Advanced New Technologies Co., Ltd.;
3,316	11159526	2021-10-26	2020-12-10	System and method for decentralized-identifier authentication	Renhui Yang; Jiawei Liu; Yuan Chen; Yuqi Lin;	Advanced New Technologies Co., Ltd.;
3,317	11159537	2021-10-26	2017-11-30	Multicomputer processing for data authentication and event execution using a blockchain approach	Carl R Frederick; Sean M Gutman; Joseph Castinado;	Bank of America Corporation;
3,318	11159613	2021-10-26	2020-04-20	Distributed system of record transaction receipt handling in an overlay network	David C Carver; Andrew F Champagne;	Akamai Technologies, Inc.;
3,319	11159620	2021-10-26	2019-04-17	Blockchain based data transformation	Xinlin Wang; Jun Zhu; Zhi Hu Wang; Timothy J Hahn; Peng Ji;	International Business Machines Corporation;
3,320	11159945	2021-10-26	2018-12-31	Protecting a telecommunications network using network components as blockchain nodes	Ahmad Arash Obaidi;	T-mobile Usa, Inc.;

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3,321	11157622	2021-10-26	2018-07-10	Blockchain technique for agile software development framework	Xianjun Zhu; Jarett Stein; Hin Ting Chui; Bradley C Herrin;	International Business Machines Corporation;
3,322	11157833	2021-10-26	2018-03-14	Learning service blockchain	Flavio du Pin Calmon; Michele M Franceschini; Ashish Jagmohan; Sambit Sahu;	International Business Machines Corporation;
3,323	11157952	2021-10-26	2019-04-30	Method and system for creating decentralized repository of fraud IPs and publishers using blockchain	Anuj Khanna Sohum; Charles Yong Jien Foong; Kulpreet Singh; Ayush Aggarwal; Anurag Singh;	Affle (india) Limited;
3,324	11150271	2021-10-19	2018-05-15	Method or system for management of a device for energy consumption by applying blockchain protocol	Paulo Henrique Almeida Cavoto; Argemiro Jose de Lima; Alan Braz; Heloisa Caroline De Souza Pereira Candello; Fabrizio Nascimento Caldas;	International Business Machines Corporation;
3,325	11150888	2021-10-19	2019-12-23	Software bill of materials validation systems and methods	Daniel Ivan Beard;	
3,326	11150978	2021-10-19	2019-04-26	Automated system for intelligent error correction within an electronic blockchain ledger	Jigesh Rajendra Safary; Krishna R Mamadapur;	Bank of America Corporation;
3,327	11151127	2021-10-19	2020-07-31	Accelerating transaction deliveries in blockchain networks using acceleration nodes	Ning Xia;	Advanced New Technologies Co., Ltd.;
3,328	11151228	2021-10-19	2020-04-14	Blockchain-based image transaction system, method, apparatus, and electronic device	Xueqing Zou;	Advanced New Technologies Co., Ltd.;
3,329	11151229	2021-10-19	2020-10-06	Secure messaging service with digital rights management using blockchain technology	Robert Bernardi;	Avila Technology, LLC;
3,330	11151261	2021-10-19	2019-04-03	Blockchain system with severable data and cryptographic proof	Jeffrey C Venable, Sr; Ramanathan Jagadeesan;	Cisco Technology, Inc.;
3,331	11151276	2021-10-19	2019-04-15	Systems and methods for data certificate notarization utilizing bridging from private blockchain to public blockchain	Tai-An Wang; Liang-Chih Chen; Ting-Yin Yen; Yu-Shu Chen;	Trend Micro Inc.;
3,332	11151512	2021-10-19	2018-12-14	Interlocking blockchains for aircraft part history and current aircraft configuration	Nicholas William Jones;	The Boeing Company;
3,333	11151553	2021-10-19	2017-03-23	Time and geographically restrained blockchain services	Eric Zavesky; James Pratt; Nigel Bradley; Timothy Innes; Nikhil Marathe;	At&t Intellectual Property I, L.p.;
3,334	11151558	2021-10-19	2018-12-12	Zero-knowledge proof payments using blockchain	Andras L Ferenczi; Dallas L Gale; Nilesh Y Jadhav; Harish R Naik;	American Express Travel Related Services Company, Inc.;
3,335	11151582	2021-10-19	2020-07-31	Smart logistics management using blockchain	Long Cheng; Yanpeng Li;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,336	11151838	2021-10-19	2019-09-10	Blockchain-based smart contract instant lottery ticket	Gianluca Ragnoni; Fabrizio Battini; Emanuele Martire; Thomas K Oram;	Igt Global Solutions Corporation;
3,337	11153069	2021-10-19	2018-02-27	Data authentication using a blockchain approach	Manu Kurian;	Bank of America Corporation;
3,338	11153070	2021-10-19	2018-09-11	Access to data broadcast in encrypted form based on blockchain	Davide Fazzone; Luigi Lombardi; Vinicio Bombacino; Andrea Tortosa;	International Business Machines Corporation;
3,339	11153072	2021-10-19	2020-12-28	Processing blockchain data based on smart contract operations executed in a trusted execution environment	Changzheng Wei; Ying Yan; Boran Zhao; Xuyang Song; Huabing Du;	Advanced New Technologies Co., Ltd.;
3,340	11153073	2021-10-19	2019-10-10	Content validation using blockchain	Pamela Rice;	Capital One Services, LLC;

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3,341	11153092	2021-10-19	2017-08-30	Dynamic access control on blockchain	Mark Staples; Paul Rimba;	Commonwealth Scientific and Industrial Research Organisation;
3,342	11153093	2021-10-19	2019-05-30	Protection of online applications and webpages using a blockchain	Rafael de Castro Bueno;	Oracle International Corporation;
3,343	11153096	2021-10-19	2018-08-16	Platform for generating authenticated data objects	Karim Talal Hamasni; Charles Plant St Louis; Graham Henry Miller; Atilla Murat Firat; Ugobame I Uchibeke; Joe Larizza; Ioannis Bakagiannis;	Royal Bank of Canada;
3,344	11153097	2021-10-19	2019-01-14	Systems and methods for distributed extensible blockchain structures	Phillip H Griffin;	Wells Fargo Bank, N.a.;
3,345	11153621	2021-10-19	2019-05-14	System and method for managing dynamic pricing of media content through blockchain	John Manganilla; Gowrishankar Subramaniam Natarajan; Virgil L Archer, III;	At&t Intellectual Property I, L.p.;
3,346	11151526	2021-10-19	2015-11-09	Systems and methods for establishing and enforcing transaction-based restrictions using hybrid public-private blockchain ledgers	Perry Aaron Jones Haldenby; Rajan Mahadevan; John Jong Suk Lee; Paul Mon-Wah Chan; Orin Del Vecchio;	The Toronto-dominion Bank;
3,347	11151621	2021-10-19	2019-06-25	System and method for carrier settlement using blockchain	Mohammed A Qaudeer; Abdul Raheem; Jason Trask; Jagannath K Rangarajan; Charles G Wasserott; Ahmed A Khan; Rasmi Samal Ranjan; Dawood A Syed;	Verizon Patent and Licensing Inc.;
3,348	11144296	2021-10-12	2018-09-05	Multi-variable based secure download of vehicle updates	Cesar Augusto Rodriguez Bravo; John R Feezell; Edgar A Zamora Duran;	International Business Machines Corporation;
3,349	11144411	2021-10-12	2020-10-23	Transaction consensus processing method and apparatus for blockchain and electronic device	Xiaojun Liao;	Advanced New Technologies Co., Ltd.;
3,350	11144540	2021-10-12	2019-12-23	Asset management method and apparatus, and electronic device	Xuebing Yan;	Advanced New Technologies Co., Ltd.;
3,351	11144618	2021-10-12	2021-04-29	Methods and apparatuses for copyright allocation for blockchain-based work	Lindong Liu;	Advanced New Technologies Co., Ltd.;
3,352	11144657	2021-10-12	2019-06-05	System and method of providing a secure inter-domain data management using blockchain technology	Naquib Hatami; Zalmai Azmi;	Motion Matters Inc.;
3,353	11144660	2021-10-12	2018-11-28	Secure data sharing	Oliver Latka; Anja Wilbert; Georg Kreimer; Denise Wildner; Jose Enrique Gonzalez Modecir;	Sap Se;
3,354	11144665	2021-10-12	2018-10-16	Purpose-based data access control	Sima Nadler; Sharon Keidar Barner;	International Business Machines Corporation;
3,355	11144666	2021-10-12	2019-01-18	Selective data access and data privacy via blockchain	Hazem Ahmed; Mathew Gardner;	Toyota Motor North America, Inc.;
3,356	11144893	2021-10-12	2018-02-15	Method and system for securing smart contracts in blockchains	Wenting Li; Ghassan Karame; Lucas Davi;	Nec Corporation;
3,357	11144918	2021-10-12	2020-01-09	Method, apparatus and electronic device for blockchain transactions	Wenbin Zhang; Lichun Li; Baoli Ma; Zheng Liu; Shan Yin;	Advanced New Technologies Co., Ltd.;
3,358	11144926	2021-10-12	2019-11-27	Blockchain-based recordkeeping method and apparatus	Min Li;	Advanced New Technologies Co., Ltd.;
3,359	11145391	2021-10-12	2019-07-22	Longitudinal condition tracking system and method	Dan M Mirica;	Health Vector LLC;
3,360	11146380	2021-10-12	2018-08-03	Methods and systems for a heterogeneous multi-chain framework	Gavin Wood; Robert Habermeier;	Parity Technologies Ltd.;

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3,361	11146381	2021-10-12	2018-11-16	Traceability of edits to digital documents via distributed ledgers	Gavin Stuart Peter Miller; Xuejun Xu; Max Gray Edell; John Bevil Bates; Matthew Keith Albright;	Adobe, Inc.;
3,362	11146383	2021-10-12	2019-07-15	Blockchain foundry built into integrated circuit	Ronald R Marquardt; Lyle W Paczkowski; Ivo Rook;	Sprint Communications Comapny L.p.;
3,363	11146384	2021-10-12	2018-02-06	Method, system, computer system and storage medium of uploading blockchain data	Pengfei Huan; Frank Yifan Chen Lu; Yu Zhang; Danli Xie;	One Connect Smart Technology Co., Ltd. (shenzhen);
3,364	11146403	2021-10-12	2019-01-15	Self-governed secure attestation policy for server data privacy logs	Viswanath Ponnuru; Prasoon Kumar Sinha;	Dell Products Inc.;
3,365	11146405	2021-10-12	2019-02-19	Blinded endorsement for blockchain	Yuan Yuan; Shengjiao Cao; Yanyan Hu; Karthik Nandakumar;	International Business Machines Corporation;
3,366	11146532	2021-10-12	2018-11-26	Information security using blockchain technology	Kevin Tobin;	
3,367	11146535	2021-10-12	2016-10-12	System for managing a virtual private ledger and distributing workflow of authenticated transactions within a blockchain distributed network	Brandon Matthew Castagna; Kevin Ben Hicks;	Bank of America Corporation;
3,368	11146545	2021-10-12	2019-03-18	Apparatus and method for establishing secured connection	Dominic Immanuel Letz; Samuel Stuart Webster; Hans Aaron Rempel;	Exosite LLC;
3,369	11146555	2021-10-12	2019-03-04	Systems and methods for controlling access to a blockchain	Ram Pemmaraju;	Blocksafe Technologies, Inc.;
3,370	11146594	2021-10-12	2019-05-31	Security incident blockchain	Timothy J Courtney;	Seagate Technology Incorporated;
3,371	11146930	2021-10-12	2020-03-19	Inter-vehicle communication using digital symbols	Weining Tan;	
3,372	11144335	2021-10-12	2020-01-30	System or method to display blockchain information with centralized information in a tenant interface on a multi-tenant platform	Prithvi Krishnan Padmanabhan; Andrew Conn;	Salesforce.com, Inc.;
3,373	11144645	2021-10-12	2018-11-19	Blockchain technique for immutable source control	Bradley C Herrin; Xianjun Zhu; Bo Zhang; Alexander Sobran;	International Business Machines Corporation;
3,374	11146546	2021-10-12	2019-01-15	Identity proofing and portability on blockchain	Jose Caldera; Kieran Gerard Sherlock;	Acuant, Inc.;
3,375	11138188	2021-10-05	2018-11-07	Performance optimization	Ching-Yun Chao; Yi-Hsiu Wei; David Y Chang;	International Business Machines Corporation;
3,376	11138323	2021-10-05	2019-12-09	Blockchain-based content management system, method, apparatus, and electronic device	Hui Xu; Zhiguo Li;	Advanced New Technologies Co., Ltd.;
3,377	11138345	2021-10-05	2020-12-10	Method, apparatus, and electronic device for blockchain-based infringement evidence storage	Qimeng Zou; Linqing Wang; Haitao Jiang;	Advanced New Technologies Co., Ltd.;
3,378	11138546	2021-10-05	2017-06-14	Tracking objects using a trusted ledger	Thomas T Hanis; Bruce H Hyre; Jessica G Snyder;	International Business Machines Corporation;
3,379	11138558	2021-10-05	2020-03-20	System and method for managing food information based on its odor	Ching-Tung Hsu; Chun-Wei Shih; Kuang-Che Lee; Chia-Hung Li; Chien-Yao Huang; Chun-Hsien Tsai; Ting-Chuan Lee; Chun-Jung Tsai;	Taiwan Carbon Nano Technology Corporation;
3,380	11138572	2021-10-05	2018-09-26	Method and system for dispute resolution in a public blockchain	Peter Groarke;	Mastercard International Incorporated;

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3,381	11138576	2021-10-05	2019-11-25	Method and system for net settlement of withheld funds via blockchain	Ankur Arora; Aditya Koduri; Shubhangi Sengar;	Mastercard International Incorporated;
3,382	11138580	2021-10-05	2021-01-05	Systems and methods for peer-to-peer exchanges of non-fungible digital assets	Rudy Koch;	Mythical, Inc.;
3,383	11138597	2021-10-05	2019-12-10	System and method for improving security of smart contract on blockchain	Zhongxiao Yao;	Advanced New Technologies Co., Ltd.;
3,384	11138598	2021-10-05	2018-12-17	Method and system for consent to time-bound queries in a blockchain	Rakesh Yadav; Steven Charles Davis;	Mastercard International Incorporated;
3,385	11138602	2021-10-05	2020-12-30	Blockchain-based trustable guarantees	Xuming Lu; Hui Zhou; Guojun Ye;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,386	11138608	2021-10-05	2018-06-28	Authorizing multiparty blockchain transactions via one-time passwords	Matthew Green;	International Business Machines Corporation;
3,387	11138658	2021-10-05	2020-12-10	Methods and apparatus for mortgage loan securitization based upon blockchain verified ledger entries	Shane Michael Leonard; Richard Sheridan Collins;	Ranieri Ip, LLC;
3,388	11139081	2021-10-05	2019-02-01	Blockchain gene system	Bao Tran; Ha Tran;	
3,389	11139951	2021-10-05	2019-01-17	Blockchain system and data processing method for blockchain system	Jieqian Zheng;	Alibaba Group Holding Limited;
3,390	11139954	2021-10-05	2018-05-31	Blockchain proof of custody, proof against tampering, proof of chain of custody	Marc E Mercuri; Zeyad Rajabi; Eric I Maino;	Microsoft Technology Licensing, LLC;
3,391	11139955	2021-10-05	2019-02-20	Systems, methods, and program products for loaning digital assets and for depositing, holding and/or distributing collateral as a token in the form of digital assets on an underlying blockchain	Michael So; Ira Auerbach; Daniel William Halley James; Cameron Howard Winklevoss; Tyler Howard Winklevoss; Anas Saidi; Jamie Chapman;	Winklevoss Ip, LLC;
3,392	11139956	2021-10-05	2019-05-23	Decentralized computation system architecture based on node specialization	Dietrich Theodore Shirley; Fabiano Pereira Soriani; Christopher Patrick Scott; Layne Lafrance;	Dapper Labs, Inc.;
3,393	11139957	2021-10-05	2016-12-08	Method and apparatus for creating a finite blockchain	Hans Ahlbäck; Harri Hakala; Mikael Jaatinen; Leena Marjatta Mattila;	Telefonaktiebolaget Lm Ericsson (publ);
3,394	11139960	2021-10-05	2018-12-20	File redaction database system	Karthik Nandakumar; Nalini K Ratha; Sharathchandra Pankanti;	International Business Machines Corporation;
3,395	11139972	2021-10-05	2016-11-08	Blockchain generation apparatus, blockchain generation method, blockchain verification apparatus, blockchain verification method, and program	Hiroki Watanabe; Akihito Akutsu; Yasuhiko Miyazaki; Atsushi Nakadaira; Shigeru Fujimura; Junichi Kishigami;	Nippon Telegraph and Telephone Corporation;
3,396	11139976	2021-10-05	2018-12-12	System and method, which using blockchain and mobile devices, provides the validated and authenticated identity of an individual to a valid and authenticated requestor	Sal Khan;	
3,397	11139977	2021-10-05	2021-03-04	System and method for proof of view via blockchain	Robert James Mark Hain;	Verasity Limited;
3,398	11139979	2021-10-05	2018-12-11	Primary and secondary blockchain device	Douwe van de Ruit; Nikos Moustakas;	Koninklijke Kpn N.v.;
3,399	11139991	2021-10-05	2019-12-20	Decentralized edge computing transactions with fine-grained time coordination	Kshitij Arun Doshi; Ned M Smith; Francesc Guim Bernat; Kevin B Stanton;	Intel Corporation;
3,400	11140133	2021-10-05	2018-04-13	Layer 7 proxy for immutable application audit trails	Tyler Levine; Christopher Metz; Zhaoxing Li; Rohan Dhesikan; David D Ward;	Cisco Technology, Inc.;

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3,401	11140141	2021-10-05	2018-09-17	Multiparty key exchange	Michael Stephen Fiske;	Fiske Software LLC;
3,402	11140177	2021-10-05	2018-08-31	Distributed data authentication and validation using blockchain	Nagendra Kumar Nainar; Carlos M Pignataro; Luca Muscariello; Alberto Compagno; Giovanna Carofiglio;	Cisco Technology, Inc.;
3,403	11140201	2021-10-05	2019-02-19	Security platform for multi-component system and services thereof	Amandeep Singh; Mathews Thomas; Joel Viale; Jacques Cresp; Fabrice Livigni; Michael E Alexander; Vaibhav Jain; Luca Marchi;	International Business Machines Corporation;
3,404	11140263	2021-10-05	2020-11-20	Systems and methods for blockchain wireless services in a controlled environment	Michael Francis Byrne; Brian Francis Byrne;	
3,405	11130042	2021-09-28	2017-11-08	Smart device	Bao Tran; Ha Tran;	
3,406	11132439	2021-09-28	2016-11-30	Method for migrating an actor instance	Håkan Englund; Christoffer Jerkeby; Bernard Smeets;	Telefonaktiebolaget Lm Ericsson (publ);
3,407	11132446	2021-09-28	2018-10-25	Blockchain system for assessment and management of assets	Lonnie Jason Carter; Cris Jay Gwin; Theresa Kruse Leahy;	Bank of America Corporation;
3,408	11132451	2021-09-28	2018-08-31	Secret data access control systems and methods	Gavin Wood; Piotr Czaban; Sviatoslav Nikolskii; Kenneth Kappler; Nicolas Gotchac;	Parity Technologies Ltd.;
3,409	11132460	2021-09-28	2019-06-07	Apparatus and method for controlling access to user information	Xiaohu Chen;	Moac Blockchain Tech Inc.;
3,410	11132676	2021-09-28	2019-05-24	Parallel execution of transactions in a blockchain network	Ning Xia; Guilu Xie; Fuxi Deng;	Advanced New Technologies Co., Ltd.;
3,411	11132677	2021-09-28	2019-08-06	Method, apparatus and electronic device for blockchain transactions	Baoli Ma; Lichun Li; Wenbin Zhang; Zheng Liu; Shan Yin;	Advanced New Technologies Co., Ltd.;
3,412	11132704	2021-09-28	2017-07-06	Method and system for electronic vouchers via blockchain	Vikas Bishnoi; Navneet Kumar; Shubham Bijawat;	Mastercard International Incorporated;
3,413	11132707	2021-09-28	2018-04-25	Blockchain solution for an automated advertising marketplace	Lars Johnson; Hans Fischmann; Cristina Serban; Jennifer Morovitz; Paul Giura;	At&t Intellectual Property I, L.p.;
3,414	11133923	2021-09-28	2018-10-24	Cryptographic operations using internet of things device pool	Stephen Chasko; Michael Demeter;	Landis+gyr Innovations, Inc.;
3,415	11133931	2021-09-28	2019-11-13	Security service providing apparatus and method for supporting lightweight security scheme	Won Sig Kang; Chang Seop Park;	Green It Korea Co., Ltd.;
3,416	11133939	2021-09-28	2019-05-02	Private blockchain transaction management and termination	Jeffrey E Bisti;	International Business Machines Corporation;
3,417	11133943	2021-09-28	2018-03-16	Issuing virtual documents in a block chain	Jorg Ruckriemen; Jens Ehreke;	Bundesdruckerei Gmbh Kommandantenstrasse 18;
3,418	11133983	2021-09-28	2018-12-14	Provisioning edge devices in a mobile carrier network as compute nodes in a blockchain network	Ahmad Arash Obaidi; Shawn David Corey; Andrew Lee Watts;	T-mobile Usa, Inc.;
3,419	11134120	2021-09-28	2018-05-18	Load balancing in blockchain environments	Paul Snow;	Inveniam Capital Partners, Inc.;
3,420	11126425	2021-09-21	2019-04-19	Version history management using a blockchain	Fraser M Smith;	Sarcos Corp.;

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3,421	11126458	2021-09-21	2021-01-28	Method, apparatus, and electronic device for resource allocation based on blockchain	Hansong Xiao; Wenhu Kan; Ping Zhang; Jinming Duan; Zhen Sun; Liangrong Lin; Qin Liu;	Advanced New Technologies Co., Ltd.;
3,422	11126596	2021-09-21	2020-07-06	Blockchain consensus method and device	Shifeng Wang;	Advanced New Technologies Co., Ltd.;
3,423	11126613	2021-09-21	2019-02-08	Autonomous exchange via entrusted ledger immutable distributed database	Benedict Ow; Richard Stiles; Anthony Tan;	Duvon Corporation;
3,424	11126617	2021-09-21	2019-07-22	Apparatus and method for determining a finality of a block within a blockchain	Xiaohu Chen;	Moac Blockchain Tech Inc.;
3,425	11126683	2021-09-21	2021-01-26	Blockchain-based cross-chain data access method and apparatus	Zhonghao Lu;	Advanced New Technologies Co., Ltd.;
3,426	11126734	2021-09-21	2019-04-18	Method, device and computer program product for data processing	Fei Chen; Kun Wang;	Emc IP Holding Company LLC;
3,427	11126739	2021-09-21	2021-01-27	Invoice access method and apparatus based on blockchain, and electronic device	Hansong Xiao; Ping Zhang; Wenhu Kan; Qin Liu; Liangrong Lin; Fuxi Deng; Yixiang Zhang; Rui Chen; Jinming Duan;	Advanced New Technologies Co., Ltd.;
3,428	11126751	2021-09-21	2021-04-26	Index creation for data records	Xinying Yang; Li Lin; Le Zhang;	Advanced New Technologies Co., Ltd.;
3,429	11126974	2021-09-21	2021-04-16	Blockchain service data processing	Hao Wu;	Advanced New Technologies Co., Ltd.;
3,430	11126976	2021-09-21	2017-02-16	Method and system for efficient transfer of cryptocurrency associated with a payroll on a blockchain that leads to an automated payroll method and system based on smart contracts	Craig Steven Wright; Stephane Savanah;	Nchain Holdings Limited;
3,431	11127000	2021-09-21	2018-12-17	Reducing blockchain transaction delay	Oleg Pogorelik; Guy Itzhaki; Rami Burstein;	Intel Corporation;
3,432	11127088	2021-09-21	2021-02-09	Cross-blockchain interaction method, system, computer device, and storage medium	Fan Zhou; Junguo Gao;	Advanced New Technologies Co., Ltd.;
3,433	11128437	2021-09-21	2017-03-30	Distributed ledger for peer-to-peer cloud resource sharing	Misha Nossik; Lejin Du;	Emc IP Holding Company LLC;
3,434	11128438	2021-09-21	2018-08-27	Systems, methods, and media for sharing IoT device profile data	Tirumaleswar Reddy Konda; Harsha R Joshi; Eric D Wuehler; Piyush P Joshi;	Mcafee, Inc.;
3,435	11128439	2021-09-21	2019-09-10	Secure storage of data in a blockchain	Sandeep Kumar Mishra;	Schneider Electric Industries Sas;
3,436	11128441	2021-09-21	2020-06-04	Method for protecting data transfer using neural cryptography	Timofey Mochalov;	
3,437	11128451	2021-09-21	2019-03-25	Remotely managing devices using blockchain and DICE-RIoT	Antonino Mondello; Alberto Troia;	Micron Technology Incorporated;
3,438	11128463	2021-09-21	2021-03-29	Cost-efficient IOT forensics framework with blockchain	Michael Thompson; Suat Mercan; Mumin Cebe; Kemal Akkaya; Arif Selcuk Uluagac;	The Florida International University Board of Trustees;
3,439	11128467	2021-09-21	2018-06-04	Systems and methods for digital identity management and permission controls within distributed network nodes	Justin Chapman; Andrew Czupek; Andrew Monks; Anthony Stevens; Arijit Das; Christopher Price; Wayne Hannaway; Zabrina Smith;	Northern Trust Corporation;
3,440	11128468	2021-09-21	2021-05-13	Decentralized document and entity verification engine	Vishal Gupta;	

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3,441	11128470	2021-09-21	2020-05-29	Methods and systems for automatic blockchain deployment based on cloud platform	Ming Zhu;	Advanced New Technologies Co., Ltd.;
3,442	11128472	2021-09-21	2018-09-04	Signature verification using blockchain	Bruno Ciscato; Dominic Hart;	Red Hat, Inc.;
3,443	11128477	2021-09-21	2018-04-09	Electronic certification system	Toshiyuki Uehara; Ken Tajima;	Internetworking & Broadband Consulting Co., Ltd.;
3,444	11128522	2021-09-21	2021-03-08	Changing a master node in a blockchain system	Peng Lin;	Advanced New Technologies Co., Ltd.;
3,445	11128528	2021-09-21	2017-12-28	Decentralized data storage and processing for IoT devices	Keith Nolan; Mark Kelly; Michael Nolan; Davide Carboni; John Brady; Niall Cahill; Ned M Smith; Gregory Burns;	Intel Corporation;
3,446	11128603	2021-09-21	2016-09-30	Method and system for providing a transaction forwarding service in blockchain implementations	Ghassan Karame; Damian Gruber; Wenting Li;	Nec Corporation;
3,447	11128607	2021-09-21	2017-04-28	Operating system for blockchain IoT devices	Craig Steven Wright; Stephane Savanah;	Nchain Licensing Ag;
3,448	11126975	2021-09-21	2015-11-09	Systems and method for tracking behavior of networked devices using hybrid public-private blockchain ledgers	Perry Aaron Jones Haldenby; Rajan Mahadevan; John Jong Suk Lee; Paul Mon-Wah Chan; Orin Del Vecchio;	The Toronto-dominion Bank;
3,449	11128440	2021-09-21	2019-10-29	Blockchain based file management system and method thereof	Sang Ji Bae; Sang Jun Kang; Ki Woon Sung; Sang Won Lee; Kyu Sang Lee;	Samsung Sds Co., Ltd.;
3,450	11119734	2021-09-14	2019-11-06	Software detection and modification	Jesus Gabriel Trillo Vargas; Arturo Adrian Reynoso Ibarra; David Rodriguez Torres; Oscar Martinez Huezo;	International Business Machines Corporation;
3,451	11119837	2021-09-14	2019-01-18	Method, device, and apparatus for realizing application function, and storage medium	Qiaozi Chai; Wei Zhang; Yanzhao Yang; Lili Long;	Baidu Online Network Technology (beijing) Co., Ltd.;
3,452	11119987	2021-09-14	2020-11-02	Shared blockchain data storage based on error correction code	Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
3,453	11120024	2021-09-14	2018-11-01	Dual-stack architecture that integrates relational database with blockchain	Alexander Ocher; Viktor Lapitski; Andrey Belyy;	Sap Se;
3,454	11120075	2021-09-14	2020-11-19	Methods and devices for storing and managing audio data on blockchain	Hui Xu;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,455	11120153	2021-09-14	2017-09-08	Resource file processing system and method based on blockchain structure	Limin Zhang; Jinzhi Hua; Sishuang Wan; Weiqi Yu; Xu Le;	China Unionpay Co., Ltd.;
3,456	11120434	2021-09-14	2019-02-18	System and method for securing transaction in a blockchain network	Marcin Wojciech Dudar; Peter On Bon Chan; Frederick Kwok Yin Leung;	Anapp Technologies Limited;
3,457	11120435	2021-09-14	2021-04-09	Multi-signature verification network	Jerry Perullo;	Intercontinental Exchange Holdings, Inc.;
3,458	11120437	2021-09-14	2017-02-16	Registry and automated management method for blockchain-enforced smart contracts	Craig Steven Wright; Stephane Savanah;	Nchain Holdings Limited;
3,459	11120513	2021-09-14	2020-03-23	Capital chain information traceability method, system, server and readable storage medium	Yongsheng Yang; Yingjie Li; Wensheng Dou; Xinyu Huang;	Advanced New Technologies Co., Ltd.;
3,460	11120517	2021-09-14	2019-12-13	Blockchain-based dispute resolution	Zhiguo Li;	Advanced New Technologies Co., Ltd.;

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3,461	11121858	2021-09-14	2018-05-31	Blockchain analytics	Marc E Mercuri; Zeyad Rajabi; Eric I Maino;	Microsoft Technology Licensing, LLC;
3,462	11121859	2021-09-14	2018-07-31	Efficient incremental consensus for block commit in blockchain network	Pragyana K Mishra;	Amazon Technologies, Inc.;
3,463	11121860	2021-09-14	2018-12-27	Multi-layered blockchain for digital assets	Gautam Gupta;	Lendingclub Corporation;
3,464	11121870	2021-09-14	2017-10-12	Method and system for interacting public and private blockchains with controlled participation	Shuvam Sengupta;	Mastercard International Incorporated;
3,465	11121872	2021-09-14	2019-01-22	Trusted verification of cybersecurity remediation	Ernesto Digiambattista; Andrei Bezdedeanu; Michael D Kail;	Zeronorth, Inc.;
3,466	11121874	2021-09-14	2019-10-22	Method for analyzing data using a blockchain, a data provider and a data customer therefor	Dhanya Therese Jose; Antorweep Chakravorty; Chunming Rong;	The University of Stavanger;
3,467	11121877	2021-09-14	2019-05-20	Secure transmission of electronic health records via blockchain	Noel J Guillama; Chester Heath; Carl R Larsen;	Quantum Group Inc.;
3,468	11121880	2021-09-14	2018-09-18	Method for reaching consensus on public distributed ledgers and system using the same	Ming-Che Chang; Pin-Jung Chiang; Keh-Hwa Shyu;	Chunghwa Telecom Co., Ltd.;
3,469	11121881	2021-09-14	2019-01-16	Event communication and verification through a blockchain network	Sukrit Handa; Suman Mukherjee; Timothy P Tidwell; Ajith Thekadath;	Visa International Service Association;
3,470	11122052	2021-09-14	2018-05-30	Sensitive information accessibility in blockchain	Edgar A Zamora Duran; Franz F Liebinger Portela; Ryan G DeJana;	International Business Machines Corporation;
3,471	11122087	2021-09-14	2019-12-12	Managing cybersecurity vulnerabilities using blockchain networks	Jun Gu; Yixiang Zhang;	Advanced New Technologies Co., Ltd.;
3,472	11122110	2021-09-14	2020-05-29	Blockchain-based file processing method, apparatus, and device, and storage medium	Dan Liu;	Advanced New Technologies Co., Ltd.;
3,473	11122500	2021-09-14	2018-01-16	Using a blockchain for optimized fast-secure roaming on WLANs	Gonzalo Salgueiro; Shankar Ramanathan; Jerome Henry;	Cisco Technology, Inc.;
3,474	11120040	2021-09-14	2019-03-26	Multi-ledger blockchain management	Brian James Snitzer; David Dwayne Weck; Brian M O'Connell; Ann Corrao;	International Business Machines Corporation;
3,475	11113241	2021-09-07	2020-11-21	Computer application for blockchaining files through a graphical user interface	Tyson York Winarski;	
3,476	11113271	2021-09-07	2019-12-19	Methods and devices for performing off-chain testing on smart contract	Haizhen Zhuo; Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,477	11113272	2021-09-07	2020-01-28	Method and apparatus for storing blockchain state data and electronic device	Haizhen Zhuo; Zhonghao Lu; Benquan Yu;	Advanced New Technologies Co., Ltd.;
3,478	11113410	2021-09-07	2018-01-03	User controlled, decentralized, distributed, and secure content distribution	Antorweep Chakravorty; Chunming Rong;	The University of Stavanger;
3,479	11113421	2021-09-07	2020-12-23	Secure communications in a blockchain network	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,480	11113677	2021-09-07	2021-01-05	Data processing using proof-of-transfer	Aaron Blankstein; Muneeb Ali; Michael J Freedman; Diwaker Gupta; Jude Nelson; Jesse Soslow; Patrick Stanley;	Hiro Systems Pbc;

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3,481	11113754	2021-09-07	2019-12-09	Event-based distribution of cryptographically secured digital assets	Christopher Andon; Matthew Davis; Hien Tommy Pham; Jeremy Schroeder;	Nike, Inc.;
3,482	11113769	2021-09-07	2020-01-24	Blockchain-based service execution method and apparatus, and electronic device	Danqing Hu; Shaorong Zhang;	Advanced New Technologies Co., Ltd.;
3,483	11115188	2021-09-07	2020-01-29	Blockchain-based data processing method, apparatus, and blockchain node	Zheng Liu; Lichun Li; Shan Yin;	Advanced New Technologies Co., Ltd.;
3,484	11115191	2021-09-07	2019-05-31	System and method for modifying content stored in a blockchain	Michael James Hudson; Predrag Maksimovic; Vladimir Peric;	
3,485	11115204	2021-09-07	2017-12-18	Cooperative platform for generating, securing, and verifying device graphs and contributions to device graphs	Subrata Mitra; Vishal Babu Bhavani; Sunav Choudhary; Kishalay Raj; Ayush Chauhan;	Adobe, Inc.;
3,486	11115366	2021-09-07	2020-05-20	Communication and conversation between individuals and service providers	Bruce Jaynes;	
3,487	11115418	2021-09-07	2016-12-23	Registration and authorization method device and system	Hui Xie; Jian Wang;	Cloudminds (shanghai) Robotics Co., Ltd.;
3,488	11115186	2021-09-07	2019-01-02	Blockchain management platform for performing asset adjustment, cross sectional editing, and bonding	Manu Kurian; Joseph Castinado;	Bank of America Corporation;
3,489	11104177	2021-08-31	2020-05-07	Structure for secure containment of information	Adam Trexler; Laurie Johansen; Paul Diffendaffer; Kelda Diffendaffer;	
3,490	11106487	2021-08-31	2020-07-31	Performing parallel execution of transactions in a distributed ledger system	Guilu Xie; Ning Xia;	Advanced New Technologies Co., Ltd.;
3,491	11106655	2021-08-31	2020-06-22	Asset management system, method, apparatus, and electronic device	Xuebing Yan;	Advanced New Technologies Co., Ltd.;
3,492	11106659	2021-08-31	2020-01-29	Blockchain-based recording and querying operations	Long Cheng; Yanpeng Li;	Advanced New Technologies Co., Ltd.;
3,493	11106766	2021-08-31	2019-12-13	Identifying copyrighted material using copyright information embedded in electronic files	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
3,494	11106817	2021-08-31	2020-12-14	Data isolation in a blockchain network	Jiyuan Wang;	Advanced New Technologies Co., Ltd.;
3,495	11107048	2021-08-31	2017-04-17	Providing out-of-band verification for blockchain transactions	Ramesh Gopinath; Lawrence Koved; Brigid Mcdermott; Krishna Ratakonda;	International Business Machines Corporation;
3,496	11107075	2021-08-31	2019-05-09	Blockchain data processing methods, apparatuses, devices, and systems	Xuming Lu; Hushen Wang;	Advanced New Technologies Co., Ltd.;
3,497	11107079	2021-08-31	2021-01-29	Methods, systems, apparatuses and devices for verifying credibility of consortium blockchain	Xinying Yang;	Advanced New Technologies Co., Ltd.;
3,498	11107321	2021-08-31	2019-06-11	Distributed ledger based gaming system	Gregory Ovalle;	Lottery Now, Inc.;
3,499	11108541	2021-08-31	2021-04-29	Methods and apparatuses for executing smart contract of blockchain, and electronic devices	Zhiyuan Feng; Yanpeng Li; Long Cheng;	Advanced New Technologies Co., Ltd.;
3,500	11108544	2021-08-31	2018-07-02	On-chain governance of blockchain	Meeta Vouk; Gari Singh; Jason K Yellick; Gennaro A Cuomo;	International Business Machines Corporation;

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3,501	11108545	2021-08-31	2020-01-31	Creating a blockchain account and verifying blockchain transactions	Jun Zuo;	Advanced New Technologies Co., Ltd.;
3,502	11108546	2021-08-31	2020-04-21	Biometric verification of a blockchain database transaction contributor	David Benini;	Aware, Inc.;
3,503	11108547	2021-08-31	2021-01-29	Methods and apparatuses for reading blockchain data	Xinying Yang;	Advanced New Technologies Co., Ltd.;
3,504	11108553	2021-08-31	2019-04-05	Database transaction guaranteed commitment	Jeronimo Irazabal; Andres Garagiola; Guillermo R Lopez;	International Business Machines Corporation;
3,505	11108555	2021-08-31	2021-04-16	Performing map iterations in a blockchain-based system	Jiahua He; Benquan Yu;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,506	11108559	2021-08-31	2019-01-02	Producing proof of receipt, existence and other data provenance evidence	Jason K Resch; Vita Bortnikov; Michele Martino Franceshini; Ravi V Khadiwala; Michael E Factor; Roberta Jo Cochrane;	International Business Machines Corporation;
3,507	11108561	2021-08-31	2017-05-15	Techniques for secure blockchain routing	Quan Wang;	Visa International Service Association;
3,508	11108564	2021-08-31	2019-02-14	Cryptologic self-executing blockchain export commitment	Hugo Borne-Pons; Giuseppe Giordano; Luca Schiatti; Naima Hamouma;	Accenture Global Solutions Limited;
3,509	11108568	2021-08-31	2020-05-29	Blockchain-based content verification	Wei Ding; Zhiguo Li;	Advanced New Technologies Co., Ltd.;
3,510	11108573	2021-08-31	2021-02-01	Blockchain ledger authentication	Xinying Yang; Yuan Zhang; Benquan Yu; Yize Li;	Advanced New Technologies Co., Ltd.;
3,511	11108624	2021-08-31	2019-04-18	Determining blockchain ledger indicates notification availability for an application	Axel Simon;	Red Hat, Inc.;
3,512	11108627	2021-08-31	2017-12-28	Object identification for groups of IoT devices	Ned M Smith; Mark Kelly; Michael Nolan; Davide Carboni;	Intel Corporation;
3,513	11108786	2021-08-31	2021-02-06	Data processing method and apparatus	Husen Wang;	Advanced New Technologies Co., Ltd.;
3,514	11108811	2021-08-31	2018-01-22	Methods and devices for detecting denial of service attacks in secure interactions	Dragan Grebovich;	Avaya Inc.;
3,515	11108820	2021-08-31	2019-06-16	Apparatus and method for distinguishing between legitimate and malicious branches of a split blockchain	Xiaohu Chen; Xinle Yang; Yang Chen;	Moac Blockchain Tech Inc.;
3,516	11108856	2021-08-31	2019-02-12	Methods and apparatus for performing distributed computing using blockchain	Chong Li; Sichao Yang; Lei Zhang;	Nakamoto & Turing Labs Inc;
3,517	11106488	2021-08-31	2020-10-30	Blockchain read/write data processing method, apparatus, and server	Xinying Yang;	Advanced New Technologies Co., Ltd.;
3,518	11099539	2021-08-24	2019-05-07	Multi-sensor agent devices	Peter L Fuhr; Marissa E Morales-Rodriguez; Sterling S Rooke;	Ut-battelle, Inc.;
3,519	11099887	2021-08-24	2019-06-24	Service processing method and apparatus	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,520	11100090	2021-08-24	2018-11-06	Offloaded chaincode execution for a database	Emanuele Ragnoli; Yu Chin Fabian Lim; Angelo De Caro; Venkatraman Ramakrishna;	International Business Machines Corporation;

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3,521	11100093	2021-08-24	2020-07-31	Blockchain-based recording and querying operations	Long Cheng; Yanpeng Lin;	Advanced New Technologies Co., Ltd.;
3,522	11100094	2021-08-24	2020-10-30	Taking snapshots of blockchain data	Zhonghao Lu;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,523	11100095	2021-08-24	2021-02-16	Service processing system and method based on blockchain	Zhenyu Wang; Songbo Yue; Nan Li; Yu Yan;	Advanced New Technologies Co., Ltd.;
3,524	11100284	2021-08-24	2021-02-01	Blockchain-based text similarity detection method, apparatus and electronic device	Kaiming Huang; Lei Yang;	Advanced New Technologies Co., Ltd.;
3,525	11100476	2021-08-24	2020-09-17	Blockchain based bank checking network with paper checking enhancements	Jun Yan;	Tradove, Inc.;
3,526	11100501	2021-08-24	2020-05-22	Modular, configurable smart contracts for blockchain transactions	Steven K Rainey; David Richard Jarczyk; Nikola G Ognjanovic; Noah Leuthaeuser; Michal Pol; Christopher Donnelly; Jenny Li; Rafiq Mohamed Jalal; Ashish Lal Rajbanshi;	Kpmg Llp;
3,527	11100502	2021-08-24	2020-10-22	Modular, configurable smart contracts for blockchain transaction processing validations	Steven K Rainey; David Richard Jarczyk; Nikola G Ognjanovic; Noah Leuthaeuser; Michal Pol; Christopher Donnelly; Jenny Li; Rafiq Mohamed Jalal; Ashish Lal Rajbanshi;	Kpmg Llp;
3,528	11100743	2021-08-24	2018-12-15	Blockchain-based election system	Ryan Sealy; Daniel Stanton;	S&s Crypto Technologies;
3,529	11102001	2021-08-24	2018-01-18	Trust management system and trust management method	Tatsuya Sato;	Hitachi, Ltd.;
3,530	11102006	2021-08-24	2019-01-25	Blockchain intelligent security implementation	Nikhil Chandrakant Khedkar; Neville Dubash; Sanjay Podder; Prashant Sahadev Sawant;	Accenture Global Solutions Limited;
3,531	11102011	2021-08-24	2021-02-22	Domain name management scheme for cross-chain interactions in blockchain systems	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,532	11102185	2021-08-24	2021-01-29	Blockchain-based service data encryption methods and apparatuses	Shubo Li; Yixiang Zhang;	Advanced New Technologies Co., Ltd.;
3,533	11102190	2021-08-24	2019-04-15	Method and system for blockchain based cyber protection of network entities	Alon Lelcuk; David Aviv;	Radware, Ltd.;
3,534	11102232	2021-08-24	2019-06-04	Blockchain web browser interface	James R Kozloski; Clifford A Pickover; Komminist Weldemariam;	International Business Machines Corporation;
3,535	11102242	2021-08-24	2020-09-28	Anti-replay device based on memory space interchange	Hong Lv;	Advanced New Technologies Co., Ltd.;
3,536	11102284	2021-08-24	2021-01-29	Service processing methods and systems based on a consortium blockchain network	Xinying Yang;	Advanced New Technologies Co., Ltd.;
3,537	11100091	2021-08-24	2018-12-20	Lightweight node in a multi-tenant blockchain network	Prithvi Krishnan Padmanabhan; Sri Naga Deepthi Velisetti; Brent Fosdick; Philip Norman Calvin;	Salesforce.com, Inc.;
3,538	11093455	2021-08-17	2019-12-12	Log-structured storage systems	Shikun Tian;	Advanced New Technologies Co., Ltd.;
3,539	11093482	2021-08-17	2019-03-12	Managing access by third parties to data in a network	Krzysztof Rudek; Vinod A Valecha; Grzegorz Piotr Szczepanik; Lukasz Jakub Palus;	International Business Machines Corporation;
3,540	11093495	2021-08-17	2019-06-25	SQL processing engine for blockchain ledger	Thomas Joseph Dean; Olivier Bernin; Kavin Aravind; Vinayak Agrawal;	International Business Machines Corporation;

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3,541	11093523	2021-08-17	2019-12-19	Blockchain based data processing method and device	Hao Wu;	Advanced New Technologies Co., Ltd.;
3,542	11093558	2021-08-17	2017-11-14	Providing accountability of blockchain queries	Elli Androulaki; Angelo De Caro; Fabian Portmann; Alessandro Sorniotti;	International Business Machines Corporation;
3,543	11093643	2021-08-17	2019-03-25	Method and system for accessing anonymized data	Christine Hennebert;	Commissariat a L'energie Atomique Et Aux Energies Alternatives;
3,544	11093650	2021-08-17	2020-12-21	Blockchain-based copyright distribution	Lindong Liu; Jiayin Liu;	Advanced New Technologies Co., Ltd.;
3,545	11093651	2021-08-17	2021-01-26	Cross-chain authentication	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,546	11093911	2021-08-17	2018-09-28	Systems, methods, and computer program products providing an identity-storing browser	Phanendra Mallampalli; Sriram Ramakrishnan; Frank Anthony Nuzzi;	Paypal, Inc.;
3,547	11093924	2021-08-17	2017-07-31	Method and system for verification of device authenticity	Ankur Arora;	Mastercard International Incorporated;
3,548	11093933	2021-08-17	2020-12-31	Data authorization based on decentralized identifiers	Yujun Peng;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,549	11094014	2021-08-17	2020-07-10	Blockchain instrument for transferable equity	Thomas Marshall Gordon, III; Joseph W Forbes, Jr; Gregory Frederick Bush;	Equity Shift, Inc.;
3,550	11095431	2021-08-17	2020-12-08	Blockchain transaction manager	Neeraj Srivastava;	Dlt Global, Inc.;
3,551	11095432	2021-08-17	2018-03-23	System for processing data based on blockchain and operating method thereof	Ji Hwan Rhie; Nyun Soo Hyun; Jeong Ho Kim; Doo Yeol Kim; Jeong Hee Yoon;	Samsung Sds Co., Ltd.;
3,552	11095433	2021-08-17	2018-07-02	On-chain governance of blockchain	Meeta Vouk; Gari Singh; Jason K Yellick; Gennaro A Cuomo;	International Business Machines Corporation;
3,553	11095434	2021-08-17	2021-02-01	Shared blockchain data storage based on error correction code	Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
3,554	11095437	2021-08-17	2020-10-05	Key data processing method and apparatus, and server	Hao Wu;	Advanced New Technologies Co., Ltd.;
3,555	11095446	2021-08-17	2019-08-19	Cryptoasset custodial system with different rules governing access to logically separated cryptoassets and proof-of-stake blockchain support	Diogo Monica; Nathan P McCauley; Boaz Avital; Riyaz D Faizullabhoy;	Anchor Labs, Inc.;
3,556	11095451	2021-08-17	2020-01-02	Optimal data storage configuration in a blockchain	Shan Gao; Xue F Gao; Peng Han; Zhen Y Shi; Qing F Zhang;	International Business Machines Corporation;
3,557	11095450	2021-08-17	2019-01-11	Blockchain based alias interaction processing	Thomas Purves;	Visa International Service Association;
3,558	11095456	2021-08-17	2019-05-24	Distributed tiered data exchanges within a blockchain network	Manu Jacob Kurian; Gilbert Gatchalian; Jayachandra Varma;	Bank of America Corporation;
3,559	11095457	2021-08-17	2019-08-30	System and method for scalably tracking media playback using blockchain	Pouria Assadipour; Andrew Batey;	Beatdapp Software Inc.;
3,560	11095462	2021-08-17	2019-12-10	Systems and methods for storing and sharing transactional data using distributed computer systems	Johan Toll; Fredrik Sjöblom;	Nasdaq Technology Ab;

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3,561	11095629	2021-08-17	2020-07-31	Retrieving access data for blockchain networks using highly available trusted execution environments	Yirong Yu;	Advanced New Technologies Co., Ltd.;
3,562	11095679	2021-08-17	2019-06-10	Method and apparatus for processing account in blockchain, storage medium, and computer device	Rui Guo; Mao Cai Li; Jian Jun Zhang; Hai Tao Tu; Qi Zhao; Zong You Wang; Jun Liang; Da Wei Zhu; Bin Hua Liu;	Tencent Technology (shenzhen) Company Limited;
3,563	11095705	2021-08-17	2019-04-05	Content distributed over secure channels	Adarsh Saraf; Prabal Banerjee; Shreya Chakraborty; Chander Govindarajan;	International Business Machines Corporation;
3,564	11095660	2021-08-17	2019-01-30	Blockchain enabled encryption	Katsumi Nagata; Divya Sai Toopran;	Toyota Motor Engineering & Manufacturing North America, Inc.;
3,565	11095750	2021-08-17	2020-11-10	Method, apparatus, and electronic device for processing consensus requests in a blockchain consensus network	Rui Chen; Guofei Jiang; Huabing Du; Husen Wang;	Advanced New Technologies Co., Ltd.;
3,566	11083966	2021-08-10	2020-09-22	Method and apparatus for displaying virtual pet, terminal, and storage medium	Yicheng Zhang; Yanwei Zhang; Xing He; Wei Peng;	Tencent Technology (shenzhen) Company Limited;
3,567	11086621	2021-08-10	2020-10-31	System and method for blockchain-based decentralized application development	Shanlu Sun; Shubo Li;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,568	11086847	2021-08-10	2018-12-29	System and method for implementing native contract on blockchain	He Sun;	Advanced New Technologies Co., Ltd.;
3,569	11086849	2021-08-10	2021-01-30	Methods and systems for reading data based on plurality of blockchain networks	Xinying Yang;	Advanced New Technologies Co., Ltd.;
3,570	11086965	2021-08-10	2021-01-28	Recording ledger data on a blockchain	Xinying Yang;	Advanced New Technologies Co., Ltd.;
3,571	11087143	2021-08-10	2018-12-13	Shop platform using blockchain	Xing Zhao; Hong Liu; Qing Zhang; Xuemin Wang; Rajnish Prasad;	Sap Se;
3,572	11087293	2021-08-10	2020-09-17	Blockchain based bank checking network with paper checking enhancements	Jun Yan;	Tradove, Inc.;
3,573	11087322	2021-08-10	2017-12-15	Computer-implemented systems and methods to enable complex functionality on a blockchain while preserving security-based restrictions on script size and opcode limits	Stephane Vincent;	Nchain Licensing Ag;
3,574	11087323	2021-08-10	2018-08-21	Exposure based secure access system	Brandon Sloane; Michael Thomas Malarkey; John Brian Costello; Brian Diederich;	Bank of America Corporation;
3,575	11087346	2021-08-10	2019-10-31	Retrieving values of digital tickets using smart contracts in blockchain networks	Zhiyuan Feng; Yanpeng Li; Long Cheng;	Advanced New Technologies Co., Ltd.;
3,576	11087371	2021-08-10	2020-03-05	Blockchain-based invoice creation method apparatus, and electronic device	Zhaolin Feng; Xu Wang;	Advanced New Technologies Co., Ltd.;
3,577	11087372	2021-08-10	2020-10-27	Benefit allocation method, apparatus, and electronic device	Xuming Lu;	Advanced New Technologies Co., Ltd.;
3,578	11087398	2021-08-10	2020-09-28	Data auditing method and device	Pengfei Ying;	Advanced New Technologies Co., Ltd.;
3,579	11087591	2021-08-10	2018-12-20	Anti-fraud cloud gaming blockchain	Bryan Cotta;	Sony Interactive Entertainment Inc.;
3,580	11088825	2021-08-10	2017-04-11	Blockchain partial ledgers	Mike A Holmberg; Nataraj Kumar Gobbak;	Hewlett-packard Development Company, L.p.;

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3,581	11088826	2021-08-10	2018-02-27	Managing assets with expiration on a blockchain	Gokul Bhargava Kandiraju; Krishna C Ratakonda;	International Business Machines Corporation;
3,582	11088827	2021-08-10	2018-07-09	Location-based blockchain	Yaron Kanza; Divesh Srivastava; Tamraparni Dasu;	At&t Intellectual Property I, L.p.;
3,583	11088828	2021-08-10	2020-04-14	Blockchain-based data evidence storage method and apparatus	Xueqing Zou;	Advanced New Technologies Co., Ltd.;
3,584	11088844	2021-08-10	2019-03-26	Preservation of privacy of inputs	Zhou Yinsheng; Yu Chin Fabian Lim; Pralhad D Deshpande; Chun Hui Suen; Venkatraman Ramakrishna;	International Business Machines Corporation;
3,585	11088849	2021-08-10	2020-11-02	Shared blockchain data storage	Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
3,586	11088850	2021-08-10	2021-02-01	Retrieving public data for blockchain networks using highly available trusted execution environments	Yirong Yu;	Advanced New Technologies Co., Ltd.;
3,587	11088854	2021-08-10	2019-01-31	Securing blockchain access through a gateway on behalf of a communication device	Haithem El Abed; Bessem Sayadi;	Nokia Technologies Oy;
3,588	11088857	2021-08-10	2020-02-10	Blockchain timestamp agreement	Sachiko Yoshihama; Tatsushi Inagaki; Yohei Ueda; Kohichi Kamijoh; Hiroaki Nakamura;	International Business Machines Corporation;
3,589	11088875	2021-08-10	2020-10-30	Asynchronous processing of blockchain blocks	Jiyuan Wang; Xuebing Yan;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,590	11089018	2021-08-10	2019-01-24	Global unique device identification code distribution method	Young-Way Liu; Chi-Jsung Lee; Liang-Te Chiu;	Hon Hai Precision Industry Co., Ltd.;
3,591	11089083	2021-08-10	2020-10-16	Systems and methods for locating microserver nodes in proximity to edge devices using georouting	James A Thomason;	Edjx, Inc.;
3,592	11089096	2021-08-10	2018-09-19	Management of digital assets	Kevin L Schultz; Darryl Adderly; Rosanna Mannan; Diego A Masini; Andres Garagiola; Dulce B Ponceleon;	International Business Machines Corporation;
3,593	11089110	2021-08-10	2020-01-24	Mobile communication device monitoring systems and methods	Robert A Lotter; Timothy S Allard;	Eagency, Inc.;
3,594	11089478	2021-08-10	2019-05-21	Blockchain for validating communications archiving	Kevin K Moshir; Sean Moshir; Stuart Browne;	Celltrust Corporation;
3,595	11088852	2021-08-10	2021-02-08	Confidential blockchain transactions	Wenbin Zhang;	Advanced New Technologies Co., Ltd.;
3,596	11080144	2021-08-03	2020-09-17	System and method for managing blockchain nodes	Eric Scrivner; Maksym Naboka; Ales Katona;	Coinbase, Inc.;
3,597	11080247	2021-08-03	2018-12-20	Field-based peer permissions in a blockchain network	Prithvi Krishnan Padmanabhan;	Salesforce.com, Inc.;
3,598	11080269	2021-08-03	2020-06-16	Blockchain based integrity checks	George Fortney;	Science Applications International Corporation;
3,599	11080293	2021-08-03	2018-10-04	Apparatus, methods, and systems for tracking and accounting for data flow in a loan processing system	Robert D Slater; Felipe G Salles;	Toyota Motor North America, Inc.;
3,600	11080368	2021-08-03	2018-12-28	Digital rights management system and digital rights protection method	Shih-An Chen; Wen-Kuei Lai;	Industrial Technology Research Institute;

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3,601	11080430	2021-08-03	2019-12-13	Integrity of communications between blockchain networks and external data sources	Yirong Yu;	Advanced New Technologies Co., Ltd.;
3,602	11080664	2021-08-03	2018-07-12	Blockchain service data processing	Hao Wu;	Advanced New Technologies Co., Ltd.;
3,603	11080665	2021-08-03	2018-02-12	Cryptographically concealing amounts and asset types for independently verifiable transactions	Andrew Poelstra; Gregory Maxwell; Adam Back; Pieter Wuille; Mark Friedenbach;	Blockstream Corporation;
3,604	11080671	2021-08-03	2020-07-31	Identifying copyrighted material using embedded copyright information	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
3,605	11080687	2021-08-03	2020-07-15	Systems and methods for blockchain-based transaction settlement	Anna Vladi;	Blocx LLC;
3,606	11080691	2021-08-03	2019-04-08	Fork-tolerant consensus protocol	Raghavendra Kidiyoor Bhagavatha; Christopher Andrew McCoy;	Storecoin Inc.;
3,607	11080718	2021-08-03	2018-12-03	System and method of a requirement, active compliance and resource management for cyber security application	Rex Wiig; Angel Martinez;	
3,608	11081017	2021-08-03	2016-10-12	Information processing apparatus, information processing method, and program	Masaaki Isozu;	Sony Corporation;
3,609	11081219	2021-08-03	2020-10-05	Secure messaging in a machine learning blockchain network	Victor Bovee Dods; Benjamin James Taylor; William Jack; Leonid Alekseyev;	Ledgerdomain Inc.;
3,610	11082204	2021-08-03	2019-11-05	Method and system for partitioned blockchains and enhanced privacy for permissioned blockchains	Steven Charles Davis;	Mastercard International Incorporated;
3,611	11082207	2021-08-03	2019-11-13	Blockchain platform as a service (BPaaS)	Cedric Harris; Ronald Watty;	First Genesis, Inc.;
3,612	11082208	2021-08-03	2020-12-15	Data storage, data check, and data linkage method and apparatus	Yi Li; Zunkui Zhao;	Advanced New Technologies Co., Ltd.;
3,613	11082230	2021-08-03	2019-10-31	Performing parallel execution of transactions in a distributed ledger system	Guilu Xie;	Advanced New Technologies Co., Ltd.;
3,614	11082235	2021-08-03	2019-02-14	Cryptoasset custodial system with different cryptographic keys controlling access to separate groups of private keys	Diogo Monica; Nathan P McCauley; Riyaz D Faizullabhoy; Boaz Avital;	Anchor Labs, Inc.;
3,615	11082237	2021-08-03	2019-05-24	Accelerating transaction deliveries in blockchain networks using transaction resending	Ning Xia;	Advanced New Technologies Co., Ltd.;
3,616	11082239	2021-08-03	2020-07-31	Accelerating transaction deliveries in blockchain networks using transaction resending	Ning Xia;	Advanced New Technologies Co., Ltd.;
3,617	11082240	2021-08-03	2021-02-01	Retrieving public data for blockchain networks using highly available trusted execution environments	Yirong Yu;	Advanced New Technologies Co., Ltd.;
3,618	11082291	2021-08-03	2020-01-28	Changing an existing blockchain trust configuration	Sheehan Anderson; Konstantinos Christidis; Anna D Derbakova; Nitin Gaur;	International Business Machines Corporation;
3,619	11082850	2021-08-03	2018-06-26	Blockchain based wireless access point password management	Rick Tipton; Mark D Austin; Matt Dugan;	At&t Intellectual Property I, L.p.;
3,620	11082203	2021-08-03	2017-12-27	Method and apparatus for accelerating the blockchain for secure and high throughput applications	Adiseshu Hari; Muralidharan Kodialam; Tirunellai V Lakshman;	Nokia Solutions and Networks Oy;

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3,621	11074245	2021-07-27	2019-09-26	Method and device for writing service data in block chain system	Guojun Ye;	Advanced New Technologies Co., Ltd.;
3,622	11074343	2021-07-27	2019-10-03	Inspection system, inspection method, and computer program	Teruhiro Tagomori;	Nomura Research Institute, Ltd.;
3,623	11074358	2021-07-27	2020-02-28	Data isolation in a blockchain network	Jiyuan Wang;	Advanced New Technologies Co., Ltd.;
3,624	11074648	2021-07-27	2018-04-09	Blockchain based loan securitization	David Duccini; Phillip H Griffin; David Newman; Nishant Usapkar;	Wells Fargo Bank, N.a.;
3,625	11074661	2021-07-27	2020-03-03	Transaction processing method, apparatus, and electronic device using a blockchain having nonce records	Jiyuan Wang; Xuebing Yan;	Advanced New Technologies Co., Ltd.;
3,626	11075745	2021-07-27	2019-12-13	Shared blockchain data storage based on error correction coding in trusted execution environments	Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
3,627	11075747	2021-07-27	2021-02-16	Storing time-sensitive secrets in a blockchain network	Ian Holsman;	Block.one;
3,628	11075757	2021-07-27	2019-04-12	Shielded interoperability of distributed ledgers	Luca Schiatti; Antoine Rabenandrasana; Hugo Borne-Pons; Giuseppe Giordano;	Accenture Global Solutions Limited;
3,629	11075891	2021-07-27	2021-03-31	Non-fungible token (NFT) based digital rights management in a decentralized data delivery network	Jieyi Long; Mitchell C Liu;	Theta Labs, Inc.;
3,630	11076135	2021-07-27	2019-05-05	Blockchain-based trustless date verifiable video capture	Daniel Hugh Broaddus;	
3,631	11074353	2021-07-27	2018-06-20	Blockchain universal RFID translator	Marci R Wojcik;	International Business Machines Corporation;
3,632	11068316	2021-07-20	2018-12-24	Systems and method for managing memory resources used by smart contracts of a blockchain	Tal Muskal; Beni Hakak; Eyal Hertzog; Guy Ben Artzi;	Liquidapps Ltd;
3,633	11068338	2021-07-20	2020-10-30	Consenus of shared blockchain data storage based on error correction code	Zhonghao Lu; Haizhen Zhuo;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,634	11068464	2021-07-20	2018-06-26	Cyber intelligence system and method	Jason Swope; Robert Thorman;	At&t Intellectual Property I, L.p.;
3,635	11068470	2021-07-20	2018-12-21	System and method for interoperability of blockchains	Abhijit Keskar;	Innoplexus Ag;
3,636	11068885	2021-07-20	2018-11-28	Method and system for deanomymizing cryptocurrency users by analyzing bank transfers to a cryptocurrency exchange	Simon Robins;	Nice Ltd;
3,637	11068887	2021-07-20	2020-11-09	Smart contract whitelists	Ning Xia; Guilu Xie; Fuxi Deng;	Advanced New Technologies Co., Ltd.;
3,638	11068888	2021-07-20	2019-02-06	Value-transfer payment system	Ronell Levatte; Ryan Seay; Shams Khan;	Countia, Llc.;
3,639	11068915	2021-07-20	2019-05-31	Flexible behavioral chain framework for permission-based enterprise-focused blockchain applications	James W Fan; Dan Celenti; Alireza Hooshiari;	At&t Intellectual Property I, L.p.;
3,640	11068990	2021-07-20	2017-12-11	Blockchain controlled multi-carrier auction system for usage-based auto insurance	Matthew L Floyd;	State Farm Mutual Automobile Insurance Company;

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3,641	11070231	2021-07-20	2018-12-31	Reducing storage of blockchain metadata via dictionary-style compression	Eric Allan Bier; Alejandro Brito; Shantanu Rane;	Palo Alto Research Center Inc.;
3,642	11070360	2021-07-20	2018-08-13	Parallel transaction validation and block generation in a blockchain	Yue Tong; Miao He; Bing Shao; Changrui Ren;	International Business Machines Corporation;
3,643	11070361	2021-07-20	2019-01-22	Block generation method in blockchain-based system	Jeong Ho Kim; Min Kang Song; Seung Won Son; Doo Yeol Kim; Seung Jun Ko; Yeong Min Seo;	Samsung Sds Co., Ltd.;
3,644	11070379	2021-07-20	2020-01-30	Signature verification for a blockchain ledger	Xinying Yang; Benquan Yu; Yuan Zhang; Yize Li;	Advanced New Technologies Co., Ltd.;
3,645	11070381	2021-07-20	2019-12-20	Digital certificate management method and apparatus, and electronic device	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,646	11061105	2021-07-13	2020-04-29	Global resource locator label	William D Meadow;	Locatorx, Inc.;
3,647	11062000	2021-07-13	2020-07-30	Identifying copyrighted material using embedded copyright information	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
3,648	11062035	2021-07-13	2018-06-17	Secure document management using blockchain	Gunjan Bhardwaj; Abhijit Keskar; Akash Madan Mishra;	Innoplexus Ag;
3,649	11062040	2021-07-13	2019-12-13	Blockchain-based service of process	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
3,650	11062054	2021-07-13	2019-09-06	Methods and system for providing oversight and auditing of advertisement impressions and for running advertisement campaigns	Aaron Brown; Tom Bollich; Adam Helfgott; Rebecca Lerner; Nelson Hunter Prendergast; Nikolaos Melissaris Papanikolaou;	
3,651	11062280	2021-07-13	2021-01-05	Network consensus-based data processing	Aaron Blankstein; Muneeb Ali; Michael J Freedman; Diwaker Gupta; Jude Nelson; Jesse Soslow; Patrick Stanley;	Hiro Systems Pbc;
3,652	11062294	2021-07-13	2018-12-10	Cognitive blockchain for customized interchange determination	Rahul Jain;	International Business Machines Corporation;
3,653	11062303	2021-07-13	2016-06-08	Cryptographically concealing amounts transacted on a ledger while preserving a network's ability to verify the transaction	Gregory Maxwell;	Blockstream Corporation;
3,654	11062305	2021-07-13	2017-01-13	Device, method and system for autonomous selection of a commodity supplier through a blockchain distributed database	Luca Schiatti; Andrea Milazzo; Giuseppe Giordano; Emmanuel Viale;	Accenture Global Solutions Limited;
3,655	11062307	2021-07-13	2019-08-26	System and method of using localized blockchain to enable payment card use without connectivity	Galen Rafferty; Austin Grant Walters; Vincent Pham; Anh Truong; Jeremy Edward Goodsitt;	Capital One Services, LLC;
3,656	11062308	2021-07-13	2020-03-10	Service execution result obtaining method and system based on blockchain	Yanpeng Li;	Advanced New Technologies Co., Ltd.;
3,657	11062347	2021-07-13	2021-02-12	Systems and methods for providing authenticity, integrity, and non-repudiation to communications online	Nelson Hunter Prendergast; Aaron Brown;	
3,658	11063744	2021-07-13	2017-10-20	Document flow tracking using blockchain	Markus Schmidt-Karaca;	Sap Se;
3,659	11063745	2021-07-13	2018-02-13	Distributed ledger for multi-cloud service automation	Lejin Du; Ali Kashmar; Ahmed Osama; Prasanna S Patil; Tarek ElBeih; Mohamed Yasser;	Emc IP Holding Company LLC;
3,660	11063746	2021-07-13	2019-04-19	Method for selecting consensus node using nonce and method and apparatus for generating blockchain using the same	Jin-Tae Oh; Ki-Young Kim; Joon-Young Park;	Electronics and Telecommunications Research Institute;

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3,661	11063759	2021-07-13	2019-04-29	Blockchain-empowered crowdsourced computing system	Jin Kocsis; Yifu Wu; Gihan Janith Mendis Imbulgoda Liyangahawatte;	University of Akron;
3,662	11063760	2021-07-13	2019-06-13	Method for ensuring security of an internet of things network	Girish Banavathi Venkata Subba;	Sasken Technologies Ltd;
3,663	11063761	2021-07-13	2019-12-13	Blockchain-based paperless documentation	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
3,664	11063764	2021-07-13	2018-11-09	Method and system for quantum-resistant hashing scheme	Steven Charles Davis;	Mastercard International Incorporated;
3,665	11063765	2021-07-13	2019-09-04	Systems and methods for providing identity scores	Robert Joseph Schukai; Scott Ryan Manuel;	Refinitiv US Organization LLC;
3,666	11063767	2021-07-13	2017-10-27	Apparatus and method to perform secure data sharing in a distributed network by using a blockchain	Satoshi Imai; Toru Katagiri; Motoyoshi Sekiya;	Fujitsu Corporation;
3,667	11063770	2021-07-13	2020-12-31	Data authorization based on decentralized identifiers	Yujun Peng;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,668	11063809	2021-07-13	2019-02-07	Redundant simple network management protocol (SNMP) systems and methods	Nitin Singla; Yashavantha Nagaraju;	Hewlett Packard Enterprise Development LP;
3,669	11063864	2021-07-13	2020-04-03	Decentralized content fabric	Michelle Munson; Serban Simu;	Eluvio, Inc.;
3,670	11063865	2021-07-13	2020-04-03	Decentralized content fabric	Michelle Munson; Serban Simu;	Eluvio, Inc.;
3,671	11063945	2021-07-13	2018-09-20	Dynamic socialized collaboration nodes	Kelley Anders; Jonathan Dunne; Liam S Harpur; Jeremy R Fox;	International Business Machines Corporation;
3,672	11063949	2021-07-13	2019-08-23	Dynamic socialized collaboration nodes	Kelley Anders; Jonathan Dunne; Liam S Harpur; Jeremy R Fox;	International Business Machines Corporation;
3,673	11064004	2021-07-13	2018-10-16	System and method for verifying and providing compensation for participation in real-time streaming of multimedia over a decentralized network	Chris Allen; Davide Lucchi; Paul Gregoire, Jr;	Infrared5, Inc.;
3,674	11062038	2021-07-13	2019-11-01	Method and system for identity and credential protection and verification via blockchain	Anthony Paul Murphy; Timothy Warren Mattingly; Peter Julian Reyes Flor;	Mastercard International Incorporated;
3,675	11063769	2021-07-13	2020-07-31	Blockchain data protection based on generic account model and homomorphic encryption	Wenbin Zhang; Baoli Ma; Huanyu Ma;	Advanced New Technologies Co., Ltd.;
3,676	11055136	2021-07-06	2020-01-23	Prioritization in a permissioned blockchain	Seep Goel; Abhishek Singh; Rachit Garg; Mudit Verma; Praveen Jayachandran;	International Business Machines Corporation;
3,677	11055279	2021-07-06	2019-02-14	Asset management method and apparatus, and electronic device	Xuebing Yan;	Advanced New Technologies Co., Ltd.;
3,678	11055384	2021-07-06	2020-10-23	Authenticating media data based on steganographic and blockchain techniques	Jason Lealand Crawforth; Michael Robert Blood;	Deeptruth, LLC;
3,679	11055397	2021-07-06	2019-10-09	Methods, mediums, and systems for establishing and using security questions	Vincent Pham; Austin Grant Walters; Jeremy Edward Goodsitt; Fardin Abdi Taghi Abad; Anh Truong; Kate Key; Kenneth Taylor;	Capital One Services, LLC;
3,680	11055419	2021-07-06	2018-11-28	Decentralized data authentication system for creation of integrated lifetime health records	Christopher Williams; Joseph A Fiscella; Anita M Williams Galiano;	Alan Health and Science;

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3,681	11055436	2021-07-06	2019-05-03	Conflict resolution for blockchain storage structure	Rishi Saket; Vinayaka Pandit; Pankaj S Dayama; Nitin Singh;	International Business Machines Corporation;
3,682	11055658	2021-07-06	2018-02-23	Blockchain-based supply chain certification systems and methods	William P Jacobson; John C Checco;	Bank of America Corporation;
3,683	11055675	2021-07-06	2019-05-08	Systems and methods for e-certificate exchange and validation	Kenneth Pustizzi;	Xspero U.S.;
3,684	11055677	2021-07-06	2020-11-16	Stablecoin as a medium of exchange on a blockchain-based transaction network	John Gregory Anderson; Charles Henry Uchill; Sean McNamara;	Ceres Coin LLC;
3,685	11055702	2021-07-06	2019-06-20	Method of automatically providing cryptocurrency cashback using blockchain technology	In Gi Kim;	
3,686	11055703	2021-07-06	2017-06-19	Smart contract lifecycle management	Yuki Kondo;	Hitachi, Ltd.;
3,687	11055709	2021-07-06	2019-04-22	Recovering encrypted transaction information in blockchain confidential transactions	Zheng Liu; Lichun Li; Shan Yin;	Advanced New Technologies Co., Ltd.;
3,688	11055712	2021-07-06	2019-12-13	Shared blockchain data storage	Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
3,689	11055792	2021-07-06	2020-02-27	Blockchain-based service source tracing method, apparatus, and electronic device	Xu Wang; Zhaolin Feng;	Advanced New Technologies Co., Ltd.;
3,690	11056023	2021-07-06	2020-07-31	Copyright protection based on hidden copyright information	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
3,691	11057188	2021-07-06	2019-08-19	Database service token	Takahide Nogayama; Toshihiro Takahashi;	International Business Machines Corporation;
3,692	11057189	2021-07-06	2020-01-31	Providing data authorization based on blockchain	Changzheng Wei; Ying Yan; Hui Zhang; Yujun Peng;	Advanced New Technologies Co., Ltd.;
3,693	11057190	2021-07-06	2020-10-28	Data security of shared blockchain data storage based on error correction code	Zhonghao Lu; Haizhen Zhuo;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,694	11057217	2021-07-06	2020-07-31	Performing parallel execution of transactions in a distributed ledger system	Guilu Xie;	Advanced New Technologies Co., Ltd.;
3,695	11057220	2021-07-06	2020-07-31	Signature verification for a blockchain ledger	Xinying Yang; Benquan Yu; Yuan Zhang; Yize Li;	Advanced New Technologies Co., Ltd.;
3,696	11057221	2021-07-06	2020-12-30	Blockchain-based consensus process	Yujun Peng;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,697	11057222	2021-07-06	2018-07-25	Digital certificate management method and apparatus, and electronic device	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,698	11057225	2021-07-06	2017-12-07	Enforcing compute equity models in distributed blockchain	Konstantinos Christidis; Nitin Gaur;	International Business Machines Corporation;
3,699	11057353	2021-07-06	2019-10-09	Systems, methods, and devices for implementing a smart contract on a distributed ledger technology platform	Mark Smith; Anush Vijayaraghavan; Evan Wagner; Yiqun Yin;	Symbiont.io, Inc.;
3,700	11057366	2021-07-06	2019-04-02	Federated identity management with decentralized computing platforms	George Avetisov; Roman Kadinsky; Robert Panebianco; Bojan Simic;	Hypr Corp.;

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3,701	11057426	2021-07-06	2020-09-04	Methods and systems providing cyber defense for electronic identification, vehicles, ancillary vehicle platforms and telematics platforms	Donnell A Davis;	
3,702	11057462	2021-07-06	2018-03-27	Asset management block chain	Thomas V Brock;	Bank of America Corporation;
3,703	11057493	2021-07-06	2020-05-22	Multi-server node service processing and consensus method and device	Yi Li;	Advanced New Technologies Co., Ltd.;
3,704	11057504	2021-07-06	2019-03-18	System and method for ending view change protocol	Dayi Yang;	Advanced New Technologies Co., Ltd.;
3,705	11055442	2021-07-06	2019-10-24	Secure decentralized system utilizing smart contracts, a blockchain, and/or a distributed file system	Jonathan Lee; Steve Frensch; Ethan Greig; Anna-Maria Nalepa; Zheng Jian;	Capital One Services, LLC;
3,706	11048593	2021-06-29	2018-11-28	Data aggregation node for blockchain rollup	Thyge S Knuhtsen; Randall A Stark; Susan J Christian; Mathews Thomas;	International Business Machines Corporation;
3,707	11048596	2021-06-29	2018-12-14	Hierarchical weighted consensus for permissioned blockchains	Anwar Walid; Mohamed Grissa;	Nokia Technologies Oy;
3,708	11048686	2021-06-29	2018-12-21	Method and a node for storage of data in a network	Joni Rapanen; Tomi Sarajisto; Ilkka Keisala;	Telia Company Ab;
3,709	11048689	2021-06-29	2018-11-08	Consensus transaction scheduler	Konstantinos Christidis; Nitin Gaur;	International Business Machines Corporation;
3,710	11048690	2021-06-29	2018-11-21	Contribution of multiparty data aggregation using distributed ledger technology	Kevin Gary Smith; John Bevil Bates;	Adobe, Inc.;
3,711	11048693	2021-06-29	2019-06-05	Resolution of ordering inversions	Daniel Ford;	International Business Machines Corporation;
3,712	11048813	2021-06-29	2019-08-29	Method and system for managing consent data in a blockchain network	Abhishek Pitti;	
3,713	11048825	2021-06-29	2020-11-13	Managing a smart contract on a blockchain	Changzheng Wei; Ying Yan;	Advanced New Technologies Co., Ltd.;
3,714	11049099	2021-06-29	2021-01-27	Methods for implementing privacy protection in blockchain	Ying Yan; Xuyang Song; Li Lin; Boran Zhao; Yirong Yu;	Advanced New Technologies Co., Ltd.;
3,715	11049104	2021-06-29	2018-03-23	Method of processing payment based on blockchain and apparatus thereof	Young Kwon Kim; Se Hyung Kim; Ji Hwan Rhie; Young Ju Kim;	Samsung Sds Co., Ltd.;
3,716	11049115	2021-06-29	2020-02-05	Blockchain-based bill write-off method, apparatus, electronic device, and storage medium	Xueqing Yang; Longsheng Qing; Zhen Sun; Ge Jin; Zhenzhong Meng; Yu Chu;	Advanced New Technologies Co., Ltd.;
3,717	11049127	2021-06-29	2019-01-03	Consumer appliances and methods for incentivized media presentation	Jeff Donald Drake;	Haier US Appliance Solutions, Inc.;
3,718	11049128	2021-06-29	2018-02-07	Decentralized computer systems and methods for using a debit network as an intermediary between distributed ledgers	Chandra Olson;	Worldpay Limited;
3,719	11049148	2021-06-29	2018-06-01	User control of anonymized profiling data using public and private blockchains in an electronic ad marketplace	Paul Lawbaugh; Dashiell Lavine;	Concord Technologies Inc.;
3,720	11049188	2021-06-29	2020-01-24	Blockchain-based service execution method and apparatus, and electronic device	Danqing Hu; Shaorong Zhang;	Advanced New Technologies Co., Ltd.;

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3,721	11049402	2021-06-29	2019-03-25	Cryptography-based platooning mechanism for autonomous vehicle fleet management	Antonino Mondello; Alberto Troia;	Micron Technology Incorporated;
3,722	11049601	2021-06-29	2019-07-31	Therapy data management system	Kevin S Lee; Corydon A Hinton; Alexandra Elena Constantin;	Bigfoot Biomedical, Inc.;
3,723	11049613	2021-06-29	2017-12-15	Security scanning for passengers with medical devices	Anup Kalia; Clifford A Pickover; Valentina Salapura; Maja Vukovic;	International Business Machines Corporation;
3,724	11050549	2021-06-29	2020-10-23	Blockchain-based transaction method and apparatus, and remitter device	Wenbin Zhang; Baoli Ma;	Advanced New Technologies Co., Ltd.;
3,725	11050550	2021-06-29	2021-01-30	Methods and systems for reading data based on plurality of blockchain networks	Xinying Yang;	Advanced New Technologies Co., Ltd.;
3,726	11050551	2021-06-29	2019-10-09	Secure verification of conditions of a contract using a set of verification tools	Isha Maggu; Ian Lobo; Ian Gray; Moustafa Bounasser;	Accenture Global Solutions Limited;
3,727	11050563	2021-06-29	2018-12-27	Method of exchanging keys by smart contract implemented on a blockchain	Christine Hennebert;	Commissariat a L'energie Atomique Et Aux Energies Alternatives;
3,728	11050763	2021-06-29	2017-10-20	Distributed ledger for network security management	Ruthie D Lyle; Bharat Prasad; Eric David Schroeder; Minya Liang; Thomas Bret Buckingham; Gabriel C Fernandez;	United Services Automobile Association (usaa);
3,729	11050822	2021-06-29	2019-06-05	Secure data dissemination	Qi Zhang; Petr Novotny; Mathew S Thoennes; Salman Abdul Baset;	International Business Machines Corporation;
3,730	11050830	2021-06-29	2020-10-13	Smart real-time prediction system for power transmission	Muthanna Ahmed Aziz; Waleed Khalil Ahmed;	United Arab Emirates University;
3,731	11051064	2021-06-29	2019-10-09	System and process of adaptive video streaming service with anti-piracy tracking providing a unique version of a movie customized by artificial intelligence and tailored specifically for each person or group of people watching	Michael Kureth;	
3,732	11041770	2021-06-22	2018-09-21	Impact indicator	Anthony N Fonk; Aldric Lee;	Shockwatch, Inc.;
3,733	11042400	2021-06-22	2021-02-16	Language agnostic smart contract execution on a blockchain	Ian Holsman;	Block.one;
3,734	11042518	2021-06-22	2020-09-25	Blockchain-based hierarchical data storage	Zhonghao Lu; Benquan Yu; Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
3,735	11042535	2021-06-22	2020-04-01	Accelerating transaction deliveries in blockchain networks using acceleration nodes	Ning Xia;	Advanced New Technologies Co., Ltd.;
3,736	11042612	2021-06-22	2019-12-13	Identifying copyrighted material using embedded copyright information	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
3,737	11042613	2021-06-22	2018-10-30	Enhanced user authentication based on device usage characteristics for interactions using blockchains	Pushkar Yashavant Deole; John Alexander Young;	Avaya Inc.;
3,738	11042619	2021-06-22	2019-01-17	Vehicle occupant tracking and trust	Michael C Edwards;	Toyota Motor North America, Inc.;
3,739	11042804	2021-06-22	2020-02-20	System and method for providing security gateways for high security blockchain systems	Dan Kikinis;	Liquineq Ag;
3,740	11042871	2021-06-22	2018-11-15	Smart contracts in blockchain environments	Paul Snow;	Factom, Inc.;

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3,741	11042873	2021-06-22	2018-12-03	Blockchain: automatic fork protection	Rafal P Konik; Roger A Mittelstadt; Brian R Muras; Chad A Olstad;	International Business Machines Corporation;
3,742	11042876	2021-06-22	2020-10-30	Transaction method and system based on centralized settlement and blockchain deposit certificates	Xinying Yang;	Advanced New Technologies Co., Ltd.;
3,743	11042934	2021-06-22	2017-11-13	Crypto-machine learning enabled blockchain based profile pricer	Awadhesh Pratap Singh; Vinay Laxmikant Bade;	Bank of America Corporation;
3,744	11044074	2021-06-22	2019-01-22	Method and system for state associated device identification for digital payments using blockchain technology	Ilgin Safak; Ramanan Rajapreyar; Niravkumar Pandya; Olutoyin Oduwole;	Mastercard International Incorporated;
3,745	11044075	2021-06-22	2020-01-20	Game data offloading to a blockchain	Jeffrey Bisti; Ryan Bertsche; Danielle Judka; Philip Siconolfi;	International Business Machines Corporation;
3,746	11044095	2021-06-22	2018-11-15	Debt recordation to blockchains	Zachary Lynde;	Factom, Inc.;
3,747	11044096	2021-06-22	2019-04-16	Blockchain based digital identity generation and verification	Kapil Singi; Swapnajeet Gon Choudhury; Vikrant S Kaulgud; Jagadeesh Chandra Bose Rantham Prabhakara; Sanjay Podder; Adam Patten Burden;	Accenture Global Solutions Limited;
3,748	11044100	2021-06-22	2019-08-23	Validating documents	Brian Deery; Paul Snow; Mahesh Paolini-Subramanya;	Factom, Inc.;
3,749	11044103	2021-06-22	2018-07-23	Blockchain consensus node selection	Qiang Tang;	Advanced New Technologies Co., Ltd.;
3,750	11044156	2021-06-22	2018-08-24	Secure mechanism to manage network device configuration and audit with a blockchain	Scott M Saltsgaver; Santosh Ramrao Patil;	Cisco Technology, Inc.;
3,751	11044272	2021-06-22	2018-11-03	Filtering and redacting blockchain transactions	Sheehan Anderson; Binh Q Nguyen;	International Business Machines Corporation;
3,752	11044580	2021-06-22	2019-06-10	Systems and method for potentially enhanced vehicle safety for passengers using blockchain	Mahmoud Yousef Ghannam; Brian Bennie;	Ford Global Technologies, LLC;
3,753	11044097	2021-06-22	2020-05-19	Blockchain recordation of device usage	Paul Snow; Brian Deery; Mahesh Paolini-Subramanya; Jason Nadeau;	Factom, Inc.;
3,754	11044104	2021-06-22	2018-09-05	Data certification as a service powered by permissioned blockchain network	Jeronimo Irazabal;	International Business Machines Corporation;
3,755	11035903	2021-06-15	2018-12-19	Monitoring of batteries in blockchain networks	Chandrasekhar Narayanaswami;	International Business Machines Corporation;
3,756	11036395	2021-06-15	2019-01-11	Secure and transparent pruning for blockchains	Ghassan Karame; Alessandro Sforzin;	Nec Corporation;
3,757	11036689	2021-06-15	2020-10-09	Blockchain-based data processing method and device	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,758	11036720	2021-06-15	2020-02-13	Blockchain-based hierarchical data storage	Zhonghao Lu; Haizhen Zhuo; Benquan Yu;	Advanced New Technologies Co., Ltd.;
3,759	11036721	2021-06-15	2020-10-12	Facilitating practical byzantine fault tolerance blockchain consensus and node synchronization	Dayi Yang;	Advanced New Technologies Co., Ltd.;
3,760	11036834	2021-06-15	2019-12-13	Identifying copyrighted material using embedded timestamped copyright information	Zhiguo Li;	Advanced New Technologies Co., Ltd.;

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3,761	11036872	2021-06-15	2019-07-25	Privacy-preserving sum-based consistency checks for blockchains	Christian Hellwig; Kilian Becher; Axel Schroepfer;	Sap Se;
3,762	11037095	2021-06-15	2017-11-15	Distributed ledger technology for freight system	Yei Sung Kim; Tricia Assar Agrawal; Ahson Syed Hasnain; Matthew Joseph Widdowson;	Accenture Global Solutions Limited;
3,763	11037145	2021-06-15	2019-06-25	Concomitance of an asset and identity block of a blockchain	Ruslan Ardashev; Sloane Brakeville; Nitin Gaur; Gautham Pamu;	International Business Machines Corporation;
3,764	11037164	2021-06-15	2020-07-31	Event processing method, apparatus and electronic device based on blockchain technology	Li Lin;	Advanced New Technologies Co., Ltd.;
3,765	11037211	2021-06-15	2017-08-11	Systems and methods for using smart contracts to control the trade, supply, manufacture, and distribution of commodities	Joseph D Preston; Dan Alan Preston; Trinitie Marie Vance; Brett C Simpson; Peter Albert Madakson; William R Rieger;	Clarovia Holdings, LLC;
3,766	11037227	2021-06-15	2018-11-21	Blockchain-based decentralized storage system	Ricardo Padilha; Rodney George Harrison; Terence Rokop; Michael J Edwards;	Storcentric, Inc.;
3,767	11037246	2021-06-15	2018-02-20	Systems and methods for total loss handling via blockchain	William J Leise; Douglas A Graff; Stacie A McCullough; Shawn M Call; Eric Bellas; Jaime Skaggs; Jacob J Alt; Eric R Moore; Vicki King;	State Farm Mutual Automobile Insurance Company;
3,768	11037377	2021-06-15	2018-01-12	Distributed ledger system for managing smart vehicle data	Ronny S Bryant; Stacie A McCullough; Mitchell J Hill; Jacob J Alt; Jaime Skaggs; Shawn M Call; Eric Bellas; Vicki King; Melinda Teresa Magerkurth;	State Farm Mutual Automobile Insurance Company;
3,769	11037469	2021-06-15	2019-12-13	Copyright protection based on hidden copyright information	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
3,770	11038669	2021-06-15	2018-08-13	Systems and methods for blockchains with serial proof of work	Andrew Jonathan Leker; Matthew Drew Birder; Allison Phuong Huynh; Mark Thomas Wallace;	Mydream Interactive, Inc.;
3,771	11038670	2021-06-15	2020-06-25	System and method for blockchain-based cross-entity authentication	Shubo Li; Jiawei Liu; Renhui Yang;	Advanced New Technologies Co., Ltd.;
3,772	11038682	2021-06-15	2017-05-26	Communication method, apparatus and system, electronic device, and computer readable storage medium	Hui Xie; Jian Wang; Hongfu Pang;	Cloudminds (shanghai) Robotics Co., Ltd.;
3,773	11038685	2021-06-15	2019-03-22	Correcting blockchain transactions with cryptocurrency type mistakes	Stewart MacGregor Dennis;	Turing Technology, Inc.;
3,774	11038694	2021-06-15	2019-11-20	Devices, methods, and systems for cryptographic authentication and provenance of physical assets	Bruce Kleinman;	
3,775	11038695	2021-06-15	2020-07-30	Managing blockchain-based centralized ledger systems	Yize Li; Benquan Yu; Xinying Yang; Wenyuan Yan; Yuan Zhang;	Advanced New Technologies Co., Ltd.;
3,776	11038771	2021-06-15	2019-11-14	Systems, methods, and apparatuses for implementing a metadata driven rules engine on blockchain using distributed ledger technology (DLT)	Prithvi Krishnan Padmanabhan;	Salesforce.com, Inc.;
3,777	11038878	2021-06-15	2019-03-17	Computer system security using a biometric authentication gateway for user service access with a divided and distributed private encryption key	Hector Hoyos;	
3,778	11038883	2021-06-15	2020-01-06	System and method for decentralized-identifier creation	Renhui Yang; Jiawei Liu; Yuan Chen; Yuqi Lin;	Advanced New Technologies Co., Ltd.;
3,779	11038884	2021-06-15	2020-12-17	Blockchain-based copyright protection method and apparatus, and electronic device	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
3,780	11038891	2021-06-15	2018-10-29	Decentralized identity management system	Pengfei Wu; Stephen J Todd; Kun Wang;	Emc IP Holding Company LLC;

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3,781	11038950	2021-06-15	2018-08-14	Blockchain digital twin for transactions on behalf of limited capability devices	Miriam Berhane Russom; Eustace Ngwa Asanghanwa;	Microsoft Technology Licensing, LLC;
3,782	11039314	2021-06-15	2019-06-03	Method for passive authentication of an individual using an individual's geo-location via a communication network and blockchain associated recording of individual's authentication data	Tarik Tali; Hassan Zili; Abdelhak Tali;	Taliware, Inc.;
3,783	11039317	2021-06-15	2018-12-31	Using a blockchain to determine trustworthiness of messages within a telecommunications network for a smart city	Ahmad Arash Obaidi;	T-mobile Usa, Inc.;
3,784	11037111	2021-06-15	2019-04-10	Method for issuing currency and making payment by managing balance database for each block in blockchain network and server using same	Joo Han Song; Jay Wu Hong; Joon Sun Uhr;	Coinplug, Inc.;
3,785	11037143	2021-06-15	2019-04-22	Platform for atomic transfer of smart assets within blockchain networks	Kailai Shao; Xuming Lu; Pengtao Qi;	Advanced New Technologies Co., Ltd.;
3,786	11038681	2021-06-15	2020-02-18	Using blockchain to track information for devices on a network	Bernd Moeller;	Myomega Systems Gmbh;
3,787	11030044	2021-06-08	2020-10-30	Dynamic blockchain data storage based on error correction code	Haizhen Zhuo; Zhonghao Lu;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,788	11030161	2021-06-08	2019-03-19	Blockchain scaling method and blockchain scaling apparatus	Dominic Immanuel Letz; Samuel Stuart Webster; Hans Aaron Rempel;	Exosite LLC;
3,789	11030175	2021-06-08	2020-11-06	Blockchain based hierarchical data storage	Zhonghao Lu; Haizhen Zhuo; Benquan Yu;	Advanced New Technologies Co., Ltd.;
3,790	11030217	2021-06-08	2018-05-01	Blockchain implementing cross-chain transactions	Hoang Tam Vo; Lenin Mehedy; Mukesh K Mohania; Ziyuan Wang; Ermyas Abebe;	International Business Machines Corporation;
3,791	11030681	2021-06-08	2017-07-21	Intermediate blockchain system for managing transactions	Luis Angel D Bathen; Pawan R Chowdhary; Andres Garagiola; Shun Jiang; Diego A Masini; Guangjie Ren; Dulce B Ponceleon; Chung-hao Tan;	International Business Machines Corporation;
3,792	11030699	2021-06-08	2017-12-11	Blockchain controlled multi-carrier auction system for usage-based auto insurance	Matthew L Floyd;	State Farm Mutual Automobile Insurance Company;
3,793	11030841	2021-06-08	2019-08-28	Decentralized talent discovery via blockchain	Sephi Joseph Shapira; Cho-Hsuan Lee;	Escapex Limited;
3,794	11032057	2021-06-08	2019-12-09	Blockchain transaction speeds using global acceleration nodes	Ning Xia;	Advanced New Technologies Co., Ltd.;
3,795	11032063	2021-06-08	2018-09-19	Distributed platform for computation and trusted validation	Ravi Kiran Raman; Kush R Varshney; Roman Vaculin; Michael Hind; Sekou L Remy; Eleftheria K Pissadaki; Nelson K Bore;	International Business Machines Corporation;
3,796	11032064	2021-06-08	2018-12-19	Blockchain ledger growth management	Ashish Sardesai; Dante J Pacella; Lachlan Maxwell; Venkata Josyula; Mani Tadayon;	Verizon Media Inc.;
3,797	11032066	2021-06-08	2017-08-28	Method for tamper-proof storage of data of a field device	Markus Kilian;	Endress+hauserse+co. Kg;
3,798	11032072	2021-06-08	2019-11-27	System and method for providing cryptographically secured digital assets	Christopher Andon; Matthew Davis; Hien Tommy Pham; Jeremy Schroeder;	Nike, Inc.;
3,799	11032077	2021-06-08	2020-10-23	Blockchain-based transaction method and apparatus, and remitter device	Baoli Ma; Wenbin Zhang;	Advanced New Technologies Co., Ltd.;
3,800	11032078	2021-06-08	2019-02-04	Method and system for blockchain wallet dynamic private key	Madhavi Sharma; Chandan Garg; Jaipal Singh Kumawat;	Mastercard International Incorporated;

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3,801	11032081	2021-06-08	2019-12-09	System and method for authorizing secondary users to access a primary user's account using blockchain	Saira Zaman; Salim Memon;	Capital One Services, LLC;
3,802	11032082	2021-06-08	2020-10-23	Method and system of storing record of copyright event in blockchain through agent	Xinying Yang;	Advanced New Technologies Co., Ltd.;
3,803	11032083	2021-06-08	2018-11-06	Atomic transactional processing	Ching-Yun Chao; David Y Chang; Yi-Hsiu Wei;	International Business Machines Corporation;
3,804	11032088	2021-06-08	2018-07-25	Digital certificate management method, apparatus, and system	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,805	11032215	2021-06-08	2020-09-21	Allocating virtual resource based on block chain	Tao Zou;	Advanced New Technologies Co., Ltd.;
3,806	11032260	2021-06-08	2018-05-10	Front-end user interface for confidential transactions	Jonathan James Gollogly;	Microsoft Technology Licensing, LLC;
3,807	11032286	2021-06-08	2016-11-30	Block chain authentication systems and methods	Bharat Prasad; Charles Lee Oakes, III; Gunjan C Vijayvergia; Vijay Jayapalan; Thomas Bret Buckingham;	United Services Automobile Association (usaa);
3,808	11032292	2021-06-08	2018-09-04	Systems and methods for hybrid blockchain control	Allen Gluck; Chaim Gluck;	
3,809	11032355	2021-06-08	2019-04-05	Trustless notification service	Sayandeep Sen; Dushyant K Behl; Palanivel A Kodeswaran; Praveen Jayachandran;	International Business Machines Corporation;
3,810	11032366	2021-06-08	2020-02-14	Node device on blockchain network for processing transaction	Jai Hoon Kim; Kwang Hoon Choi; Dae Han Kim;	Ajou University Industry-academic Cooperation Foundation;
3,811	11030188	2021-06-08	2019-04-22	Platform for atomic transfer of smart assets within blockchain networks	Xuming Lu; Kailai Shao; Pengtao Qi;	Advanced New Technologies Co., Ltd.;
3,812	11030331	2021-06-08	2018-06-01	Distributed privately subspaced blockchain data structures with secure access restriction management	Jeffrey Schvey; Nadi Sarrar;	Schvey, Inc.;
3,813	11020668	2021-06-01	2020-09-24	Distributed ledger tracking of event data	Nicholas J Witchey; John Wiacek; Patrick Soon-Shiong;	Nant Holdingsip, LLC;
3,814	11023248	2021-06-01	2017-03-03	Assured application services	Joshua Daniel; Gery Ducatel;	British Telecommunications Public Limited Company;
3,815	11023271	2021-06-01	2020-07-30	System and method for registering subscribable sub-states in blockchain	Rubing Shi; Yayang Guan;	Advanced New Technologies Co., Ltd.;
3,816	11023309	2021-06-01	2020-10-21	Method, apparatus and electronic device for blockchain-based transaction consensus processing	Fuxi Deng;	Advanced New Technologies Co., Ltd.;
3,817	11023314	2021-06-01	2020-10-30	Prioritizing shared blockchain data storage	Zhonghao Lu; Haizhen Zhuo;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,818	11023423	2021-06-01	2019-10-10	System and method for information storage using blockchain databases combined with pointer databases	Avery Glasser;	
3,819	11023455	2021-06-01	2019-02-27	Executing transactions based on blockchain	Honglin Qiu; Huabing Du;	Advanced New Technologies Co., Ltd.;
3,820	11023456	2021-06-01	2019-12-20	Executing transactions based on blockchain	Honglin Qiu; Huabing Du;	Advanced New Technologies Co., Ltd.;

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3,821	11023458	2021-06-01	2020-03-09	Systems and methods for blockchain interlinking and relationships	S Ryan Quick; Armand Kolster;	Providentia Worldwide, LLC;
3,822	11023604	2021-06-01	2020-03-09	Systems and methods to track, store, and manage events, rights and liabilities	Gopinath Rangan; John C Hopkins, III;	United Services Automobile Association (usaa);
3,823	11023981	2021-06-01	2020-07-30	Blockchain-based commodity claim method and apparatus, and electronic device	Danqing Hu;	Advanced New Technologies Co., Ltd.;
3,824	11025409	2021-06-01	2017-05-24	Systems and methods for generating a blockchain-based user profile	Brian Mark Fields; Lee Marvin John Assam;	State Farm Mutual Automobile Insurance Company;
3,825	11025410	2021-06-01	2020-11-09	Shared blockchain data storage based on error correction coding in trusted execution environments	Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
3,826	11025417	2021-06-01	2018-11-15	Cross-blockchain data access method, apparatus and system, and computer readable medium	Feng Li; Wei Xiao; Yunpeng Wang; Zhiyuan Yu; Wenchao Wang; Shihui Zhou; Xianghui Zhao;	Baidu Online Network Technology (beijing) Co., Ltd.;
3,827	11025430	2021-06-01	2018-12-20	File provenance database system	Karthik Nandakumar; Nalini K Ratha; Sharathchandra Pankanti;	International Business Machines Corporation;
3,828	11025431	2021-06-01	2018-12-31	Method and system for two factor authentication for blockchain transactions	Madhavi Sharma; Jaipal Singh Kumawat; Chandan Garg;	Mastercard International Incorporated;
3,829	11025433	2021-06-01	2019-08-26	Secure ledger assurance tokenization	Phillip H Griffin; Jeffrey J Stapleton;	Wells Fargo Bank, N.a.;
3,830	11025435	2021-06-01	2020-11-02	System and method for blockchain-based cross-entity authentication	Shubo Li; Jiawei Liu; Renhui Yang;	Advanced New Technologies Co., Ltd.;
3,831	11025438	2021-06-01	2020-05-20	Cross-chain interactions using a domain name scheme in blockchain systems	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,832	11025493	2021-06-01	2018-06-25	Smallcell network deployment, optimization and management based on blockchain technology	Volkan Sevindik;	
3,833	11025646	2021-06-01	2019-08-06	Risk adaptive protection	Richard A Ford;	Forcepoint LLC;
3,834	11025701	2021-06-01	2020-04-29	Systems and methods for utilizing blockchain for securing browsing behavior information	Deepshikha Bansal;	Verizon Patent and Licensing Inc.;
3,835	11025714	2021-06-01	2019-07-01	System and method for announcing cryptographic keys on a blockchain	Keir Finlow-Bates;	
3,836	11016961	2021-05-25	2020-07-21	Blockchain-based smart contract invocation method and apparatus, and electronic device	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,837	11016962	2021-05-25	2020-07-31	Blockchain data storage based on shared nodes and error correction code	Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
3,838	11017060	2021-05-25	2019-12-13	Identifying copyrighted material using embedded copyright information	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
3,839	11017061	2021-05-25	2020-07-31	Identifying copyrighted material using copyright information embedded in electronic files	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
3,840	11017112	2021-05-25	2018-07-03	Distributed network for storing a redundant array of independent blockchain blocks	Tyson York Winarski;	

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3,841	11017391	2021-05-25	2019-06-27	System, method and program product for generating and utilizing stable value digital assets	Cameron Howard Winklevoss; Tyler Howard Winklevoss;	Winklevoss Ip, LLC;
3,842	11017392	2021-05-25	2020-05-26	Method, apparatus and electronic device for blockchain transactions	Baoli Ma; Lichun Li; Wenbin Zhang; Zheng Liu; Shan Yin;	Advanced New Technologies Co., Ltd.;
3,843	11017405	2021-05-25	2018-12-31	Blockchain compliance platform and system for regulated transactions	James Borzilleri; Carlos Garcia Perez; David Nelson;	
3,844	11017409	2021-05-25	2020-12-23	Voting system to prevent fraud using blockchain technology	Nathaniel Loyd;	
3,845	11018850	2021-05-25	2018-08-02	Concurrent transaction processing in a high performance distributed system of record	David C Carver; Leen Khalid A Al Shenibr; Vladimir Shtokman;	Akamai Technologies, Inc.;
3,846	11018851	2021-05-25	2018-08-23	Multi-blockchain digital transaction information segregation system	Pankaj Sarin;	Paypal, Inc.;
3,847	11018852	2021-05-25	2018-12-21	Blockchain trust anchor	Yi-Min Chee; Krishna C Ratakonda; Rakesh Mohan; Ramesh Gopinath;	International Business Machines Corporation;
3,848	11018853	2021-05-25	2020-04-13	Workflow management via distributed ledgers and smart contracts	Jayaraman Ganeshmani; Jacob Creech;	Capital One Services, LLC;
3,849	11018878	2021-05-25	2019-12-19	Digital certificate management method, apparatus, and system	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,850	11019050	2021-05-25	2020-01-30	Authentication method and device, and blockchain-based authentication data processing method and device	Kejia Li;	Advanced New Technologies Co., Ltd.;
3,851	11019059	2021-05-25	2018-05-31	Blockchain-based admission processes for protected entities	Alon Lelcuk; David Aviv;	Radware, Ltd.;
3,852	11018848	2021-05-25	2019-01-02	Blockchain management platform for performing asset adjustment, cross sectional editing, and bonding	Joseph Castinado; Manu Kurian;	Bank of America Corporation;
3,853	11010184	2021-05-18	2020-10-13	System and method for implementing different types of blockchain contracts	He Sun;	Advanced New Technologies Co., Ltd.;
3,854	11010369	2021-05-18	2018-03-26	Method, apparatus, and system for blockchain consensus	Weiming Zhuang;	Advanced New Technologies Co., Ltd.;
3,855	11010370	2021-05-18	2018-10-25	System and method of decentralized management of multi-owner nodes using blockchain	Sathyanarayanan Manamohan; Krishnaprasad Lingadahalli Shastry; Avinash Chandra Pandey; Ravi Sarveswara;	Hewlett Packard Enterprise Development LP;
3,856	11010728	2021-05-18	2018-07-12	Timestamping changes to smart-contract state	Jeronimo Irazabal;	International Business Machines Corporation;
3,857	11010736	2021-05-18	2018-09-07	System and method for reducing information volume in a blockchain distribution network	Uri Klarman; Aleksandar Kuzmanovic;	Northwestern University;
3,858	11010778	2021-05-18	2017-03-06	Blockchain data	Jay Webster; Alexander J Olson; Tobias Speckbacher; Andreas Binnewies;	Valassis Communications, Inc.;
3,859	11012228	2021-05-18	2018-05-31	Internet of things blockchain interface	Marc E Mercuri; Zeyad Rajabi; Eric I Maino;	Microsoft Technology Licensing, LLC;
3,860	11012229	2021-05-18	2019-03-13	Method for preventing short-term bifurcation and double-spend attack on block chain network	Wenbin Cheng; Guangwu Guo; Kun Xiao;	

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3,861	11012501	2021-05-18	2019-04-03	System, method, and computer program for performing distributed outsourced computing	Vladimir Tkach; Yuri Kroz;	Amdocs Development Limited;
3,862	11012232	2021-05-18	2019-01-02	Blockchain management platform for performing asset adjustment, cross sectional editing, and bonding	Manu Kurian; Joseph Castinado;	Bank of America Corporation;
3,863	11012430	2021-05-18	2019-11-04	User equipment relay mediated network channels with blockchain logging	David Hufker; Lyle W Paczkowski; George Jason Schnellbacher; Michael David Svoren, Jr;	Sprint Communications Comapny L.p.;
3,864	11003514	2021-05-11	2020-06-30	Methods and devices for broadcasting messages	Ning Li;	Advanced New Technologies Co., Ltd.;
3,865	11003523	2021-05-11	2019-06-04	Database optimized disaster recovery testing	Long Wang; Ruchi Mahindru; Soumitra Sarkar; Yu Deng;	International Business Machines Corporation;
3,866	11003646	2021-05-11	2019-05-23	Data isolation in a blockchain network	Wenbin Zhang; Chao Shen;	Advanced New Technologies Co., Ltd.;
3,867	11003799	2021-05-11	2018-04-20	System and method for integrity assurance in a virtual environment	Sreejith Gireesan; Balasubramanian K Pethayapera; Bimal Mankara Balan;	Marlabs Innovations Private Limited;
3,868	11004044	2021-05-11	2018-05-09	Method for paying cost of IoT device based on blockchain, and server, service providing device, and digital wallet using the same	Joon Sun Uhr; Jay Wu Hong;	Coinplug, Inc.;
3,869	11004067	2021-05-11	2020-10-27	Methods and devices for protecting sensitive data of transaction activity based on smart contract in blockchain	Long Cheng; Yanpeng Li;	Advanced New Technologies Co., Ltd.;
3,870	11004068	2021-05-11	2020-08-26	Multi-signature verification network	Jerry Perullo;	Intercontinental Exchange Holdings, Inc.;
3,871	11004070	2021-05-11	2020-05-20	Method, apparatus and electronic device for blockchain transactions	Wenbin Zhang; Lichun Li; Baoli Ma; Zheng Liu; Shan Yin;	Advanced New Technologies Co., Ltd.;
3,872	11004088	2021-05-11	2020-10-30	Method and system for certifying product authenticity using physical feature information including digitized surface fingerprint and blockchain	Insoo Suk;	
3,873	11004101	2021-05-11	2020-03-26	Coupon system and methods using a blockchain	Rob Balfour; Greg Bandler;	Couponco Ltd;
3,874	11004130	2021-05-11	2016-10-26	Computer implemented method, an apparatus and a non transitory computer readable storage medium for verifying reviews on a blockchain	Praveen Jayachandran;	International Business Machines Corporation;
3,875	11005646	2021-05-11	2018-05-23	Blockchain stochastic timer transaction synchronization	Jonathan Fry; Christopher J Penny; James Demarest; Marc Bergendahl; Jean Wynne; Christopher J Waskiewicz;	International Business Machines Corporation;
3,876	11005653	2021-05-11	2018-02-19	Integrated method and device for storing and sharing data	Stephane Chopart;	Airbus Helicopters;
3,877	11005665	2021-05-11	2017-06-30	Blockchain-based secure transaction method, electronic device, system and storage medium	Frank Yifan Chen Lu; Pengfei Huan; Yu Zhang; Yuxiang Huang;	One Connect Smart Technology Co., Ltd. (shenzhen);
3,878	11005666	2021-05-11	2018-07-31	Tampering verification system and method for financial institution certificates based on blockchain	Joon Sun Uhr; Jay Wu Hong; Joo Han Song;	Coinplug, Inc.;
3,879	11005812	2021-05-11	2019-08-15	Autonomous decentralization of centralized stateful security services with systematic tamper resistance	Susanto Junaidi Irwan; Kamesh Raghavendra;	Xage Security, Inc.;
3,880	11005844	2021-05-11	2019-06-28	Blockchain-based smart contract call methods and apparatus, and electronic device	Jiyuan Wang; Xuebing Yan;	Advanced New Technologies Co., Ltd.;

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3,881	11005889	2021-05-11	2018-02-02	Consensus-based policy management	Benjamin L Weintraub;	Microsoft Technology Licensing, LLC;
3,882	11005932	2021-05-11	2019-10-25	Method for associating data between a plurality of blockchain networks and apparatus thereof	Young Wn Kwun; Jung Woo Cho; Jun Tae Kim; Kwang Cheol Lee; Hwa Yong Oh; Chang Suk Yoon;	Samsung Sds Co., Ltd.;
3,883	11005664	2021-05-11	2018-06-29	Blockchain post-quantum signature scheme	Konstantinos Chalkias;	R3 Ltd.;
3,884	10996854	2021-05-04	2019-05-14	Deletion of blocks in a blockchain	Kumiko Maeda; Munetaka Ohtani; Yutaka Oishi; Chikafumi Yasumoto; Jiayun Zhu;	International Business Machines Corporation;
3,885	10997125	2021-05-04	2018-11-29	Proof of lottery (PoL) blockchain	Oded Shmueli;	Technion Research & Development Foundation Limited;
3,886	10997142	2021-05-04	2019-09-09	Cognitive blockchain automation and management	Gennaro A Cuomo; Donna N Dillenberger; Rong Liu; Roman Vaculin;	International Business Machines Corporation;
3,887	10997159	2021-05-04	2018-10-09	Blockchain notification board storing blockchain resources	Futoshi Iwama; Takaaki Tateishi; Shunichi Amano; Sachiko Yoshihama;	International Business Machines Corporation;
3,888	10997620	2021-05-04	2018-09-18	Blockchain-enabled system for controlling advertiser access to personal user data	Gregory H Leekley; Alexander Savenok; Pavel Savenok;	Vertigo Studios, LLC;
3,889	10999059	2021-05-04	2019-01-29	Secure blockchain integrated circuit	Alexander Yuan Shi;	
3,890	10999060	2021-05-04	2019-07-08	Data processing method and apparatus	Haizhen Zhuo; Honglin Qiu;	Advanced New Technologies Co., Ltd.;
3,891	10999061	2021-05-04	2019-07-26	Service data storage method and apparatus, storage medium, and electronic device	Rui Guo; Maocai Li; Jun Liang; Jianjun Zhang; Zongyou Wang; Qi Zhao; Haitao Tu; Binhua Liu; Dawei Zhu; Qing Qin;	Tencent Technology (shenzhen) Company Limited;
3,892	10999063	2021-05-04	2018-10-22	Methods and apparatus for verifying a user transaction	Shaun Keith Blake; Stephen John Pomfret;	Cygnetise Limited;
3,893	10999075	2021-05-04	2020-05-28	Blockchain-based patrol inspection proof storage method, apparatus, and electronic device	Hongbo Cai; Kaiming Huang; Zhe Han; Shiqi Jiang; Lei Yang;	Advanced New Technologies Co., Ltd.;
3,894	10999283	2021-05-04	2020-01-31	Addressing transaction conflict in blockchain systems	Zheng Liu; Lichun Li; Shan Yin;	Advanced New Technologies Co., Ltd.;
3,895	10999382	2021-05-04	2019-12-10	Multi-source deterministic oracle management	Anh-Dung Le; Luca Schiatti; Giuseppe Giordano;	Accenture Global Solutions Limited;
3,896	10997150	2021-05-04	2018-05-15	Configuration drift prevention across multiple systems using blockchain	Hin Ting Chui; Jarett Stein; Bradley C Herrin; Xianjun Zhu;	International Business Machines Corporation;
3,897	10999270	2021-05-04	2019-05-16	Hybrid distributed network ecosystem using systemized blockchain reconciliation, preselected issuance and data operations loops, and reconciliation digital facilitators	Daniel Cage; Padmakar Kankipati; Norman R Silverman;	Mox-speedchain, LLC;
3,898	10999317	2021-05-04	2019-08-19	Blockchain tracking of virtual universe traversal results	James R Kozloski; Clifford A Pickover; Komminist Weldemariam;	International Business Machines Corporation;
3,899	10990499	2021-04-27	2020-02-18	Managing visitor access	Bernd Moeller;	Myomega Systems Gmbh;
3,900	10990563	2021-04-27	2020-04-22	Information read/write method and apparatus based on blockchain	Duofeng Hu;	Advanced New Technologies Co., Ltd.;

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3,901	10990584	2021-04-27	2020-03-05	Establishing decentralized identifiers for algorithms, data schemas, data sets, and algorithm execution requests	Anirban Basak; Thomas P Hardjono; Shantanu Rajkumar Kothavale;	Fortifid, Inc.;
3,902	10990705	2021-04-27	2020-05-28	Index creation for data records	Xinying Yang; Li Lin; Le Zhang;	Advanced New Technologies Co., Ltd.;
3,903	10990963	2021-04-27	2019-06-21	Cross-asset trading within blockchain networks	Wenbin Zhang; Hao Lei; Lichun Li; Zhangjie Huang;	Advanced New Technologies Co., Ltd.;
3,904	10990982	2021-04-27	2017-11-27	Authenticating a payment card	Edgar A Zamora Duran; Franz F Liebinger Portela; Roxana Monge Nunez; Sheyla V Vargas;	International Business Machines Corporation;
3,905	10991045	2021-04-27	2020-02-27	Blockchain-based settlement method, apparatus, and electronic device	Xu Wang; Zhaolin Feng;	Advanced New Technologies Co., Ltd.;
3,906	10991189	2021-04-27	2020-02-18	Establishing control based on location of a mobile device	Bernd Moeller;	Myomega Systems Gmbh;
3,907	10992454	2021-04-27	2018-05-22	Blockchain configuration for secure content delivery	Artin Nazarian; Mark Arana; Derek L Prestegard;	Disney Enterprises, Inc.;
3,908	10992456	2021-04-27	2018-10-09	Certifying authenticity of data modifications	Hiroaki Nakamura; Takaaki Tateishi;	International Business Machines Corporation;
3,909	10992458	2021-04-27	2019-01-16	Blockchain technology for data integrity regulation and proof of existence in data protection systems	Assaf Natanzon; David Zlotnick;	Emc IP Holding Company LLC;
3,910	10992459	2021-04-27	2020-01-31	Updating a state Merkle tree	Zhonghao Lu;	Advanced New Technologies Co., Ltd.;
3,911	10992460	2021-04-27	2020-04-14	Blockchain-based advertisement monitoring method and apparatus, and electronic device	Jiankang Sun; Feng Lin;	Advanced New Technologies Co., Ltd.;
3,912	10992465	2021-04-27	2020-09-28	Blockchain authorization information generation	Yixiang Zhang; Jun Gu;	Advanced New Technologies Co., Ltd.;
3,913	10992478	2021-04-27	2018-03-06	Blockchain-based digital identity management method	Nyun Soo Hyun; Heung Sik Chae; Sang Hyeon Kim; Kyung Jin Kim; Mun Seok Yang; Yeong Min Seo;	Samsung Sds Co., Ltd.;
3,914	10992549	2021-04-27	2019-12-01	Decentralized change management based on peer devices using a blockchain	Luis Angel D Bathen; Gabor Madl; Ramani R Routray; Mu Qiao;	International Business Machines Corporation;
3,915	10992676	2021-04-27	2019-01-16	Leveraging blockchain technology for auditing cloud service for data protection compliance	David Zlotnick; Assaf Natanzon;	Emc IP Holding Company LLC;
3,916	10992677	2021-04-27	2019-02-18	Reputation-based device registry	Andrew L Wells; William Daryl Cammack;	Toyota Motor North America, Inc.;
3,917	10992681	2021-04-27	2019-02-27	Authentication using blockchains	Manu J Kurian;	Bank of America Corporation;
3,918	10990687	2021-04-27	2017-08-01	System and method for user managed encryption recovery using blockchain for data at rest	Charles D Robison; Christopher D Burchett; David Konetski;	Dell Products Inc.;
3,919	10991463	2021-04-27	2020-05-12	Computer-implemented system and methods for predicting the health and therapeutic behavior of individuals using artificial intelligence, smart contracts and blockchain	John D Kutzko; Wayne C A Wright;	
3,920	10983781	2021-04-20	2019-12-03	Blockchain computer data distribution	Adam Cecchetti; Michael Eddington;	Accenture Global Solutions Limited;

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3,921	10983958	2021-04-20	2020-11-25	Sustainable energy tracking system utilizing blockchain technology and Merkle tree hashing structure	Eric Miller; Evan Caron; Troy Martin;	Cleartrace Technologies, Inc.;
3,922	10984124	2021-04-20	2020-10-09	Method of managing access in a collaborative data sharing platform	Reuben Robert Thomson-Wood; Nicola Melis; Maria Rosa Del Rio Llorente;	Bedrock Capital Limited;
3,923	10984134	2021-04-20	2017-10-06	Blockchain system for leveraging member nodes to achieve consensus	Srinath Setty; Lidong Zhou; Michael Lowell Roberts; Ramarathnam Venkatesan; Soumya Basu;	Microsoft Technology Licensing, LLC;
3,924	10984395	2021-04-20	2019-12-19	Blockchain service data processing	Hao Wu;	Advanced New Technologies Co., Ltd.;
3,925	10984400	2021-04-20	2021-01-05	Systems and methods for using shared user inventory information to initiate a peer-to-peer exchange of a non-fungible digital asset	Rudy Koch;	Mythical, Inc.;
3,926	10984402	2021-04-20	2018-11-01	System for providing a peer-to-peer behavioral data exchange in a decentralized marketplace	Clinton Taylor;	
3,927	10984410	2021-04-20	2018-11-15	Entity-sovereign data wallets using distributed ledger technology	Kevin Gary Smith; John Bevil Bates;	Adobe, Inc.;
3,928	10984413	2021-04-20	2016-08-12	Computer implemented method for processing a financial transaction and a system therefor	Nick Armstrong; Ben Buckingham; Daniel Friedman; Elliot Shepherd; Eric Knight;	Identitii Pty Ltd;
3,929	10984417	2021-04-20	2020-05-18	Blockchain-based data synchronization system, method, apparatus, and electronic device	Shiyu Wang;	Advanced New Technologies Co., Ltd.;
3,930	10984474	2021-04-20	2019-06-27	Systems and methods for IT supply chain management on a distributed platform	Delano Seymour; Douglas Steele; John Cowan;	Edjx, Inc.;
3,931	10984483	2021-04-20	2017-03-19	Cognitive regulatory compliance automation of blockchain transactions	Gennaro A Cuomo; Donna N Dillenberger; Rong Liu; Roman Vaculin;	International Business Machines Corporation;
3,932	10984490	2021-04-20	2018-12-07	Artificial intelligence real estate platform	William Fox;	Lehr Holdings, Inc.;
3,933	10984492	2021-04-20	2019-09-30	Managing housing scores using smart contracts in blockchain networks	Zhiyuan Feng; Yanpeng Li; Long Cheng;	Advanced New Technologies Co., Ltd.;
3,934	10984913	2021-04-20	2016-12-22	Blockchain system for natural language processing	Shahid N Shah;	Netspective Communications LLC;
3,935	10985907	2021-04-20	2018-05-16	Identifying faults in a blockchain ordering service	Pralhad Dinesh Deshpande; Proshanta Sarkar; Santanu Mitra; Sudip Dutta;	International Business Machines Corporation;
3,936	10985908	2021-04-20	2018-09-24	Data storage method, data query method and apparatuses	Hao Wu;	Advanced New Technologies Co., Ltd.;
3,937	10985910	2021-04-20	2018-12-27	Method for exchanging keys authenticated by blockchain	Christine Hennebert;	Commissariat a L'energie Atomique Et Aux Energies Alternatives;
3,938	10985919	2021-04-20	2020-10-30	Performing map iterations in a blockchain-based system	Jiahua He; Benquan Yu;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,939	10985929	2021-04-20	2020-01-23	Enhanced chaincode analytics provenance in a blockchain	Luis Angel D Bathen; Ramani R Routray;	International Business Machines Corporation;
3,940	10986079	2021-04-20	2018-12-06	System and method for hierarchical decisioning within a hybrid blockchain	Eren Kursun;	Bank of America Corporation;

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3,941	10986080	2021-04-20	2021-01-13	Permission management method and system for trustworthiness mechanism of big-data blockchain	Gang Huang; Xuanzhe Liu; Huaqian Cai; Lingxuan Hu; Hai'ou Jiang;	Peking University;
3,942	10986162	2021-04-20	2020-10-28	Implementing a blockchain-based web service	Zhiyuan Feng; Yanpeng Li;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,943	10986177	2021-04-20	2018-07-03	Systems and methods of self-forking blockchain protocol	Saswata Basu;	0chain Corp.;
3,944	10977114	2021-04-13	2020-03-06	Indexing and recovering encoded blockchain data	Haizhen Zhou;	Alipay (hangzhou) Information Technology Co., Ltd.;
3,945	10977232	2021-04-13	2019-08-22	Blockchain digest augmentation of tape cartridges via a solid-state cartridge memory	Tyson York Winarski;	
3,946	10977626	2021-04-13	2018-06-14	Semi-private blockchain virtual currency exchange systems	Michael Mossoba; Joshua Edwards;	Capital One Services, LLC;
3,947	10977628	2021-04-13	2018-09-07	Preventing service discrimination in a blockchain distribution network	Uri Klarman; Aleksandar Kuzmanovic;	Northwestern University;
3,948	10977629	2021-04-13	2018-09-21	Computerized messaging module for blockchain networks	Mahendran Muthu Pandian;	Oracle Financial Services Software Limited;
3,949	10977645	2021-04-13	2020-06-10	Tokenized asset backed by government bonds and identity and risk scoring of associated token transactions	Miles Paschini; Nitin Agarwal;	
3,950	10977647	2021-04-13	2018-07-20	Secure management of content distribution data blocks on a blockchain	Sergio Pinzon Gonzales, Jr;	Ebay, Incorporated;
3,951	10979213	2021-04-13	2018-12-19	Blockchain compression using summary and padding blocks	Ashish Sardesai; Dante J Pacella; Lachlan Maxwell; Venkata Josyula; Mani Tadayon;	Verizon Media Inc.;
3,952	10979227	2021-04-13	2019-10-17	Blockchain ID connect	Armin Ebrahimi;	Ping Identity Corporation;
3,953	10979231	2021-04-13	2020-10-30	Cross-chain authentication method, system, server, and computer-readable storage medium	Yawen Wei; Jianjun Zhang; Zhiwei Wang;	Advanced New Technologies Co., Ltd.;
3,954	10979233	2021-04-13	2020-03-06	Monitoring time certificate generation requests	Xinying Yang; Huabing Du; Benquan Yu;	Advanced New Technologies Co., Ltd.;
3,955	10979414	2021-04-13	2019-09-11	System and method for hierarchical decisioning within a hybrid blockchain	Eren Kursun;	Bank of America Corporation;
3,956	10979445	2021-04-13	2018-07-09	Security management of devices using blockchain technology	Paul Giura;	At&t Intellectual Property I, L.p.;
3,957	10979452	2021-04-13	2018-09-21	Blockchain-based malware containment in a network resource	Ashish Kundu; Abhishek Malvankar; Suresh N Chari;	International Business Machines Corporation;
3,958	10979476	2021-04-13	2018-04-16	System and method for verifying and providing compensation for participation in real-time streaming of multimedia over a decentralized network	Chris Allen; Davide Lucchi; Paul Gregoire, Jr;	Infrared5, Inc.;
3,959	10979872	2021-04-13	2020-09-29	Blockchain system and method for calculating location of time-crucial shipments according to expectation and smart contracts	Elliot Klein;	
3,960	10977375	2021-04-13	2018-08-10	Risk assessment of asset leaks in a blockchain	Emanuele Ragnoli; John Sheehan; Stefano Braghin; Gokhan Sagirlar;	International Business Machines Corporation;

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3,961	10979419	2021-04-13	2019-11-04	System and method of device identification for enrollment and registration of a connected endpoint device, and blockchain service	Srinivas Kumar; Atul Gupta; Ruslan Ulanov; Shreya Uchil;	Mocana Corporation;
3,962	10970307	2021-04-06	2018-11-03	Information transparency control	Hiroaki Nakamura; Kohichi Kamijoh;	International Business Machines Corporation;
3,963	10970411	2021-04-06	2018-09-12	Database preference sharing and management	Danielle Judka; Jeffrey E Bisti;	International Business Machines Corporation;
3,964	10970690	2021-04-06	2018-09-07	Blockchain distribution network with service transparency	Uri Klarman; Aleksandar Kuzmanovic;	Northwestern University;
3,965	10970717	2021-04-06	2018-10-12	Distributed ledger for encrypted digital identity	Anand Menon;	Dish Network L.l.c.;
3,966	10970766	2021-04-06	2018-08-09	System and method for adjusting environmental conditions at a venue based on real time user-specified data	Eric Beans;	
3,967	10972255	2021-04-06	2020-06-02	Blockchain validation system	Frank Anthony Nuzzi;	Paypal, Inc.;
3,968	10972274	2021-04-06	2018-08-29	Trusted identity solution using blockchain	Richard Redpath; Daniel A Gisolfi; Bryce A Curtis; Aaron K Reed;	International Business Machines Corporation;
3,969	10972280	2021-04-06	2018-10-09	Blockchain for distributed authentication of hardware operating profile	Adolph Miller Allen; Paul Kiely; Noufal Kappachali;	Applied Materials, Inc.;
3,970	10972279	2021-04-06	2018-06-07	Efficient validation for blockchain	Manish Sethi; David M Enyeart;	International Business Machines Corporation;
3,971	10972281	2021-04-06	2017-02-07	System and method for document information authenticity verification	Guy Scott; Lindsay Moloney;	
3,972	10972282	2021-04-06	2019-04-18	Distributed logging of application events in a blockchain	Pradipta K Banerjee; Pooja Kulkarni; Harshal S Patil;	International Business Machines Corporation;
3,973	10972287	2021-04-06	2017-11-02	Systems and methods for creating a universal record	Ajith Thekadath; Suman Mukherjee;	Visa International Service Association;
3,974	10972463	2021-04-06	2018-11-05	Blockchain-based NB-IoT devices	Om Prakash Suthar; Mark Ammar Rayes; Aeneas Sean Dodd-Noble; Michael David Geller; Ian McDowell Campbell;	Cisco Technology, Inc.;
3,975	10972478	2021-04-06	2019-09-11	Data processing method and apparatus, terminal, and access point computer	Hongfu Pang; Min Chen; Yang Zhou;	Cloudminds (shanghai) Robotics Co., Ltd.;
3,976	10972479	2021-04-06	2019-08-01	Task completion using a blockchain network	Corey Clark;	Balanced Media Technology, LLC;
3,977	10972560	2021-04-06	2019-09-27	System and method for scalably tracking media playback using blockchain	Andrew Batey; Pouria Assadipour;	Beatdapp Software Inc.;
3,978	10972568	2021-04-06	2019-04-01	High performance distributed system of record	David C Carver; Thomas Houman; Andrew F Champagne; Vladimir Shtokman; Patrick Alexander Deegan; Ramanath Mallikarjuna;	Akamai Technologies, Inc.;
3,979	10972901	2021-04-06	2019-01-30	Remote SIM unlock (RSU) implementation using blockchain	Ahmad Arash Obaidi;	T-mobile Usa, Inc.;
3,980	10972942	2021-04-06	2018-07-20	System and method for a distributed ledger for base station slicing using blockchain	Onur Ibek; Oguz Oktay; Seyhan Civanlar;	Netsia, Inc.;

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3,981	10970669	2021-04-06	2018-06-18	Blockchain enabled transaction processing for an industrial asset supply chain	Walter Charles Yund; Patricia Denise Mackenzie; Joseph James Salvo; John William Carbone; Benjamin Edward Beckmann; Dan Yang; Peter Koudal;	General Electric Company;
3,982	10972254	2021-04-06	2019-08-12	Blockchain content reconstitution facilitation systems and methods	David Iseminger;	Upheaval LLC;
3,983	10972275	2021-04-06	2018-07-17	Zero-knowledge, anonymous verification and management using immutable databases such as blockchain	Richard Johnson; David Harding; Dale Peek; Steve Timm; Matt Klepp; Robb Wijnhausen;	Imageware Systems, Inc.;
3,984	10963542	2021-03-30	2020-05-04	Blockchain-based image processing method and apparatus	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
3,985	10963786	2021-03-30	2020-01-10	Establishing a trained machine learning classifier in a blockchain network	Benjamin James Taylor; Victor Bovee Dods; Leonid Alekseyev;	Ledgerdomain Inc.;
3,986	10963854	2021-03-30	2020-01-31	Blockchain-based electronic bill reimbursement method, apparatus, and electronic device	Ge Jin; Longsheng Qing; Zhen Sun; Zhenzhong Meng; Xueqing Yang; Yu Chu;	Advanced New Technologies Co., Ltd.;
3,987	10963881	2021-03-30	2015-05-21	Method and system for fraud control of blockchain-based transactions	Steven Charles Davis;	Mastercard International Incorporated;
3,988	10964142	2021-03-30	2020-04-24	Secure storage systems and methods	Daniel Flynn; Eric Wesley Herring;	Binbox, Inc.;
3,989	10964145	2021-03-30	2018-08-24	Access control system using blockchain ledger	Miguel Galvez; Matthew Roberts; Stephen Tarmey; Ashwin Reddy Lingannagari;	Sensormatic Electronics Corporation;
3,990	10965446	2021-03-30	2019-09-27	Blockchain-based automated user matching	Suki Ramasamy; Sasidhar Purushothaman;	Bank of America Corporation;
3,991	10965447	2021-03-30	2020-09-10	Distributed blockchain-type implementations configured to manage tokenized digital assets and improved electronic wallets, and methods of use thereof	Viktor Prokopenya; Artsiom Mikhasiou; Il'ya Fomenok; Aliaksandr Kotseleu; Siarhei Sinila;	Currency Com Limited;
3,992	10965460	2021-03-30	2020-08-24	Robust security technology for coupons	Gideon Samid;	
3,993	10965461	2021-03-30	2020-08-31	Method of verifying telecommunications messaging traffic based on decentralized identifiers	Chris Wright; Monique Jeanne Morrow;	Syniverse Technologies, LLC;
3,994	10965472	2021-03-30	2018-11-02	Secure bootstrap for a blockchain network	Nao Nishijima;	Hitachi, Ltd.;
3,995	10965632	2021-03-30	2019-10-29	Messaging systems and methods that employ a blockchain to ensure integrity of message delivery	Tal Golan;	Salesforce.com, Inc.;
3,996	10965661	2021-03-30	2020-05-21	Blockchain operating system	Jordan Simons;	Americorp Investments LLC;
3,997	10965713	2021-03-30	2019-04-22	Centrally managing data for orchestrating and managing user accounts and access control and security policies remotely across multiple devices	Susanto Junaidi Irwan; Roman M Arutyunov; Andy Sugiarto; Ganesh B Jampani; Bao Q Ngo;	Xage Security, Inc.;
3,998	10963400	2021-03-30	2017-10-11	Smart contract creation and monitoring for event identification in a blockchain	Pralhad D Deshpande; Raghav Sood;	International Business Machines Corporation;
3,999	10965448	2021-03-30	2018-05-03	Dynamic distributed storage for scaling blockchain	Ravi Kiran Raman; Lav Raj Varshney;	University of Illinois;
4,000	10965466	2021-03-30	2018-08-03	Estimable proof-of-work for blockchain	Chih-Wen Hsueh;	National Taiwan University;

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4,001	10965527	2021-03-30	2019-03-08	Registering collaborative configuration changes of a network element in a blockchain ledger	Thomas Triplet; Emil Janulewicz; David Côté;	Ciena Corporation;
4,002	10956204	2021-03-23	2019-10-14	Free-riding node identification for blockchain	Dushyant K Behl; Sayandeep Sen; Palanivel Andiappan Kodeswaran;	International Business Machines Corporation;
4,003	10956444	2021-03-23	2020-01-28	Block chain state data synchronization method, apparatus, and electronic device	Haizhen Zhuo; Zhonghao Lu; Benquan Yu;	Advanced New Technologies Co., Ltd.;
4,004	10956614	2021-03-23	2016-07-20	Expendable access control	Joshua Daniel; Gery Ducatel; Theo Dimitrakos;	British Telecommunications Public Limited Company;
4,005	10956616	2021-03-23	2018-07-25	Secure communications in a blockchain network	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
4,006	10956903	2021-03-23	2020-01-31	Obtaining a blockchain-based, real-name, electronic bill	Zhenyu Yang; Longsheng Qing; Ge Jin; Zhen Sun; Xueqing Yang; Zhenzhong Meng; Yu Chu;	Advanced New Technologies Co., Ltd.;
4,007	10956931	2021-03-23	2018-06-29	System and method for proof of view via blockchain	Robert James Mark Hain;	Verasity Foundation Company Limited;
4,008	10958417	2021-03-23	2017-12-18	Protecting sensitive data in a distributed ledger system using blockchain hierarchies	Kapil Kumar Singh;	International Business Machines Corporation;
4,009	10958418	2021-03-23	2018-10-10	System and method for a blockchain network with heterogeneous privacy	Atul Ajoy;	Chromata Corporation;
4,010	10958420	2021-03-23	2018-11-20	Method and system for blockchain-implemented project management	Ved Pratap Singh Chauhan; Chandan Garg; Jaipal Singh Kumawat;	Mastercard International Incorporated;
4,011	10958421	2021-03-23	2018-11-20	User access control in blockchain	Woong A Yoon; Daniel Dulaney; John P Filippone; Bonnie Ishiguro; Alex X Casella;	International Business Machines Corporation;
4,012	10958438	2021-03-23	2020-05-14	Method, apparatus, and electronic device for blockchain-based recordkeeping	Fuqiang Li; Linqing Wang; Hong Zhang; Haitao Jiang; Xinyu Weng; Zongru Zhan;	Advanced New Technologies Co., Ltd.;
4,013	10958440	2021-03-23	2020-07-30	Blockchain ledger compression	Xinying Yang;	Advanced New Technologies Co., Ltd.;
4,014	10958628	2021-03-23	2017-12-18	Protecting sensitive data in a distributed ledger system using a blockchain channel hierarchy	Kapil Kumar Singh;	International Business Machines Corporation;
4,015	10958663	2021-03-23	2020-03-02	Customized view of restricted information recorded into a blockchain	Jordan Simons;	Americorp Investments LLC;
4,016	10958780	2021-03-23	2020-07-31	Decentralized automatic phone fraud risk management	Wenqiang Zhao; Yanpeng Li; Boyan Jia;	Alipay (hangzhou) Information Technology Co., Ltd.;
4,017	10956075	2021-03-23	2018-02-02	Blockchain architecture for optimizing system performance and data storage	Eren Kursun;	Bank of America Corporation;
4,018	10958443	2021-03-23	2020-07-31	Confidential blockchain transactions	Wenbing Zhang;	Advanced New Technologies Co., Ltd.;
4,019	10946283	2021-03-16	2020-11-17	Computer system and method for more efficiently storing, issuing, and transacting tokenized blockchain game assets managed by a smart contract	Ariel Meilich; Thor Alexander; Hugo Arregui;	Big Time Studios Ltd.;
4,020	10946291	2021-03-16	2018-03-16	Granting and securing ownership of cross-application digital assets	Daniel Morgan Harris;	Amazon Technologies, Inc.;

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4,021	10949231	2021-03-16	2020-10-13	System and method for implementing different types of blockchain contracts	He Sun;	Advanced New Technologies Co., Ltd.;
4,022	10949388	2021-03-16	2018-11-16	Systems and methods for distributed data storage and delivery using blockchain	Mahender Adluri; Robert Taylor;	Advanced Messaging Technologies, Inc.;
4,023	10949417	2021-03-16	2018-11-26	Blockchain augmented internet of things ('IoT') device-based system for dynamic supply chain tracking	Manu Kurian; Matthew E Carroll;	Bank of America Corporation;
4,024	10949447	2021-03-16	2020-05-29	Blockchain-based data synchronizing and data block parsing method and device	Jiyuan Wang;	Advanced New Technologies Co., Ltd.;
4,025	10949511	2021-03-16	2017-11-30	Multicomputer processing for data authentication using a blockchain approach	Carl R Frederick; Sean M Gutman; Joseph Castinado;	Bank of America Corporation;
4,026	10949548	2021-03-16	2018-10-18	Systems and methods for providing multi-node resiliency for blockchain peers	Sarang Mahatwo; Ricky Kwan; Jeetendra Pradhan; Bryan M Zima;	Verizon Patent and Licensing Inc.;
4,027	10949557	2021-03-16	2018-08-20	Blockchain-based auditing, instantiation and maintenance of 5G network slices	Prashanth Patil; Ram Mohan Ravindranath; Nagendra Kumar Nainar; Carlos M Pignataro;	Cisco Technology, Inc.;
4,028	10949636	2021-03-16	2020-05-01	Consent management apparatus and system	Raghuraman Govindaraj; Sharad Rao; Sanjay Ungarala;	Tetrus Corp.;
4,029	10949722	2021-03-16	2018-07-03	Systems and methods of sustainability protocol using distributed blockchain application with IoT sensors	Saswata Basu;	0chain Corp.;
4,030	10949926	2021-03-16	2018-04-17	Fault determination of blockchain subrogation claims	Shawn M Call; Jaime Skaggs; Eric Bellas; Douglas A Graff; William J Leise; Vicki King; Jacob J Alt; Eric R Moore; Stacie A McCullough;	State Farm Mutual Automobile Insurance Company;
4,031	10949936	2021-03-16	2019-12-13	Identifying copyrighted material using copyright information embedded in tables	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
4,032	10951394	2021-03-16	2018-08-15	System and method for publication of private data using a blockchain network	Alexander Tormasov; Stanislav Protasov; Serguei Beloussov;	Acronis International Gmbh;
4,033	10951395	2021-03-16	2018-08-20	Data fetching in data exchange networks	Lei Liu; Wei-Peng Chen;	Fujitsu Corporation;
4,034	10951396	2021-03-16	2018-10-22	Tamper-proof management of audit logs	Manjula Sridhar; Tushar Gupta; Vijay Rayapati; Yuvaraj Loganathan;	Nutanix, Inc.;
4,035	10951408	2021-03-16	2018-09-05	Method and system for publicly verifiable proofs of retrievability in blockchains	Wenting Li; Ghassan Karame;	Nec Corporation;
4,036	10951417	2021-03-16	2020-01-31	Blockchain-based transaction verification	Pengtao Qi;	Advanced New Technologies Co., Ltd.;
4,037	10951420	2021-03-16	2019-02-14	Cryptologic blockchain interoperation	Hugo Borne-Pons; Giuseppe Giordano; Luca Schiatti; Naima Hamouma;	Accenture Global Solutions Limited;
4,038	10951424	2021-03-16	2019-12-19	Method, apparatus, and electronic device for communication between blockchain nodes, and method, apparatus, and electronic device for blockchain-based certificate management	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
4,039	10951626	2021-03-16	2020-03-06	Blockchain-based commercial inventory systems and methods	Jordan Simons;	Americorp Investments LLC;
4,040	10951675	2021-03-16	2020-10-29	Methods and systems for blockchain incentivized data streaming and delivery over a decentralized network	Jieyi Long; Mitchell C Liu;	Theta Labs, Inc.;

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4,041	10942756	2021-03-09	2020-05-26	System and method for executing different types of blockchain contracts	Shifeng Wang;	Advanced New Technologies Co., Ltd.;
4,042	10942852	2021-03-09	2019-12-12	Log-structured storage systems	Shikun Tian;	Advanced New Technologies Co., Ltd.;
4,043	10942920	2021-03-09	2020-05-28	Service processing system and method based on blockchain	Zhenyu Wang; Songbo Yue; Nan Li; Yu Yan;	Advanced New Technologies Co., Ltd.;
4,044	10942921	2021-03-09	2020-02-25	Blockchain-based data storage and query method and device	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
4,045	10942956	2021-03-09	2016-10-27	Detecting medical fraud and medical misuse using a shared virtual ledger	Paul R Bastide; Jonathan Dunne; Liam Harpur; Robert E Loredo;	International Business Machines Corporation;
4,046	10942994	2021-03-09	2019-09-26	Multicomputer processing for data authentication using a blockchain approach	Carl R Frederick; Sean M Gutman; Joseph Castinado;	Bank of America Corporation;
4,047	10943003	2021-03-09	2018-10-16	Consented authentication	Daniel W Bingham; Petr Novotny; Qi Zhang; Palani Sakthi; Salman Abdul Baset; Nitin Gaur;	International Business Machines Corporation;
4,048	10943294	2021-03-09	2018-05-09	Continuously monitoring and updating mortgage ready data	Benjamin Tarmann; Richard R Rhodes; Lokesh Awasthy; Denise DeRoeck; Jaime Skaggs; Jacob J Alt; Shanna L Phillips; Shyam Tummala; Matthew S Meierotto; Richard D Groonwald; Brian J Hughes;	State Farm Mutual Automobile Insurance Company;
4,049	10943302	2021-03-09	2018-07-13	Systems, methods, and computer program products for risk and insurance determination	Mussie Haile; Filippo Federici Canova; David Z Gao;	Revolt Cypher, LLC;
4,050	10943307	2021-03-09	2020-06-29	Smart contracts for vehicle events	William J Leise; Jacob J Alt; Jaime Skaggs; Eric Bellas; Shawn M Call; Eric R Moore; Melinda Teresa Magerkurth; Vicki King;	State Farm Mutual Automobile Insurance Company;
4,051	10943680	2021-03-09	2018-09-07	Intelligent health-based blockchain	Michal Knas; Jiby John; Richard Ferry; Krzysztof Gibadlo;	Massachusetts Mutual Life Insurance Company;
4,052	10944296	2021-03-09	2019-10-09	Receiver device for facilitating wireless power reception	Robert Smith; David Lee Lark; Michael Hunter Smith;	Voice Life Inc.;
4,053	10944546	2021-03-09	2018-04-19	Blockchain object interface	Eric I Maino; Marc E Mercuri; Zeyad Rajabi;	Microsoft Technology Licensing, LLC;
4,054	10944547	2021-03-09	2018-08-10	Secure environment device management	Srinivas B Tummalapenta; Adam L Griffin; Nikhilkumar V Shah; Huyanh D Ngo; Paul A Ragone;	International Business Machines Corporation;
4,055	10944548	2021-03-09	2018-12-21	Method for registration of data in a blockchain database and a method for verifying data	Pawel Zygmunt Aleksander; Pawel Kuskowski; Jakub Fijolek;	Coinfirm Blockchain Lab Sp. Z O.o.;
4,056	10944560	2021-03-09	2018-08-02	Privacy-preserving identity asset exchange	Suresh N Chari; Hasini Gunasinghe; Ashish Kundu; Kapil Kumar Singh; Dong Su;	International Business Machines Corporation;
4,057	10944563	2021-03-09	2019-03-06	Blockchain systems and methods for user authentication	Jonathan Weimer; Ryan Fox;	Capital One Services, LLC;
4,058	10944565	2021-03-09	2018-10-16	Consented authentication	Daniel W Bingham; Petr Novotny; Qi Zhang; Palani Sakthi; Salman Abdul Baset; Nitin Gaur;	International Business Machines Corporation;
4,059	10944567	2021-03-09	2019-12-13	Shared blockchain data storage	Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
4,060	10944624	2021-03-09	2020-01-31	Changing a master node in a blockchain system	Peng Lin;	Advanced New Technologies Co., Ltd.;

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4,061	10944646	2021-03-09	2018-10-27	Enabling multiple provider software defined network programming using blockchain distributed ledgers	Anil Bhikuayya Jangam; Om Prakash Suthar; Rajiv Asati;	Cisco Technology, Inc.;
4,062	10944762	2021-03-09	2019-08-06	Managing blockchain access to user information	Richard A Ford;	Forcepoint LLC;
4,063	10943029	2021-03-09	2018-12-22	System and method for interaction object management in a blockchain environment	Gustavo Manuel Damil Marin;	
4,064	10936294	2021-03-02	2018-11-01	Blockchain-based software compliance system	Kevin T Marks; Viswanath Ponnuru; Ravikanth Chaganti; Raveendra Babu Madala;	Dell Products Inc.;
4,065	10936302	2021-03-02	2019-06-07	Updating sub-systems of a device using blockchain	Kjell Henrik Eklund; Andreas Martin Viktor Ropel;	Volvo Car Corporation;
4,066	10936422	2021-03-02	2019-03-22	Recovery of virtual network function (VNF) boot functionality	Lyle Walter Paczkowski; Tracy Lee Nelson; Stephen P O'Neal; William M Parsel;	T-mobile Lnnovations LLC;
4,067	10936445	2021-03-02	2018-11-28	Resource management	Nathan J Rauh; Alex Motley; Andrew Gordon Guibert; James Stephens; Mark Swatosh;	International Business Machines Corporation;
4,068	10936552	2021-03-02	2018-09-06	Performing bilateral negotiations on a blockchain	Elli Androulaki; Angelo De Caro; Matthias Neugschwandtner; Alessandro Sorniotti;	International Business Machines Corporation;
4,069	10936580	2021-03-02	2020-01-14	System and method for digital asset management	Rubing Shi; Wenlong Yang;	Advanced New Technologies Co., Ltd.;
4,070	10936581	2021-03-02	2020-03-09	Blockchain transaction processing method and apparatus	Wenlong Yang; Ping Dai; Jincheng Wang;	Advanced New Technologies Co., Ltd.;
4,071	10936723	2021-03-02	2019-03-27	Fast and secure protocol to bootstrap a blockchain by restoring the blockchain state using trusted execution environment	Manoj Gopalakrishnan; Ashish Kumar Mishra; Amol Kulkarni;	Intel Corporation;
4,072	10936732	2021-03-02	2018-07-29	System and method for registering multi-party consent	Anthony Kenyon; Hema Krishnamurthy;	Guardtime Sa;
4,073	10936734	2021-03-02	2020-07-31	Blockchain authorization	Wenyuan Yan; Xinying Yang; Yuan Zhang; Yize Li; Benquan Yu;	Advanced New Technologies Co., Ltd.;
4,074	10936838	2021-03-02	2020-08-28	Tagging scheme for blockchain-based provenance system	Wang-Chan Wong;	
4,075	10937068	2021-03-02	2018-06-17	Assessment of documents related to drug discovery	Gunjan Bhardwaj; Abhijit Keskar; Tanay Gahlot;	Innoplexus Ag;
4,076	10937096	2021-03-02	2020-02-10	Transaction processing in a service blockchain	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
4,077	10937111	2021-03-02	2017-11-28	Managing energy purchase agreements on a blockchain	Harish Bharti; Abhay K Patra; Rajesh K Saxena; Deependra K Singh;	International Business Machines Corporation;
4,078	10937253	2021-03-02	2018-06-11	Validation of vehicle data via blockchain	Kuntal Dey; Seema Nagar; Meenal Kapoor; Vinayak Sastri;	International Business Machines Corporation;
4,079	10938548	2021-03-02	2018-05-23	Blockchain object deployment and synchronization across blockchains	Marc E Mercuri; Zeyad Rajabi; Eric I Maino;	Microsoft Technology Licensing, LLC;
4,080	10938549	2021-03-02	2018-11-27	System and method for information protection	Baoli Ma; Wenbin Zhang; Lichun Li; Zheng Liu; Shan Yin;	Advanced New Technologies Co., Ltd.;

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4,081	10938550	2021-03-02	2019-10-18	Method, system and apparatus for data storage and data access	Jun Tong;	Advanced New Technologies Co., Ltd.;
4,082	10938551	2021-03-02	2020-04-10	System and method for implementing a resolver service for decentralized identifiers	Yuqi Lin; Yuan Chen; Renhui Yang; Jiawei Liu;	Advanced New Technologies Co., Ltd.;
4,083	10938565	2021-03-02	2020-07-31	Method and apparatus for inter-blockchain transmission of authenticable message	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
4,084	10938566	2021-03-02	2018-08-08	Blockchain based identity and access management	Keir Finlow-Bates;	
4,085	10938567	2021-03-02	2018-09-12	Parallel-chain architecture for blockchain systems	William Martino; Stuart Popejoy; Monica Quaintance;	Kadena LLC;
4,086	10938571	2021-03-02	2017-10-23	System and method for verification of data transferred among several data storages	Victor Lysenko; Stanislav Protasov; Mark Shmulevich; Serguei M Beloussov;	Acronis International Gmbh;
4,087	10938574	2021-03-02	2018-11-26	Cryptographic font script with integrated signature for verification	Aaron Drake; Lee Miller London;	T-mobile Usa, Inc.;
4,088	10938577	2021-03-02	2019-07-03	Blockchain service acceptance and consensus method and devices	Qiang Tang;	Advanced New Technologies Co., Ltd.;
4,089	10938578	2021-03-02	2018-10-18	System and method for maintaining an integrity of a blockchain using digital certificates	Keir Finlow-Bates;	
4,090	10938579	2021-03-02	2019-03-01	Radio frequency identification tag one-way authentication using a one-time password pad and a blockchain	Keir Finlow-Bates;	
4,091	10938856	2021-03-02	2018-03-30	Systems and methods for security protocol execution in a hierarchical state machine-driven execution plan	Ned Smith;	Intel Corporation;
4,092	10939405	2021-03-02	2020-04-01	Systems and methods for implementing permissionless network consensus using blockchain	Amir Haleem; Andrew Thompson; Andrew Allen; Marc Nijdam; Jay Kickliter;	Helium Systems, Inc.;
4,093	10928803	2021-02-23	2018-08-23	Managing blockchains for multiple components in an industrial facility	Tim S Biernat; Juergen K Weinhofer; Sharath Chander Reddy Baddam; Douglas J Reichard; Subbian Govindaraj;	Rockwell Automation Technologies Incorporated;
4,094	10928848	2021-02-23	2018-11-28	Distributed clock	Dulce B Ponceleon; Diego A Masini; Raul O Laprida; Andres Garagiola;	International Business Machines Corporation;
4,095	10929113	2021-02-23	2018-10-30	Transformation of inter-organization process for execution via blockchain	Hiroaki Nakamura; Michiharu Kudo; Kohtaroh Miyamoto;	International Business Machines Corporation;
4,096	10929198	2021-02-23	2020-02-11	Blockchain-based resource allocation method and apparatus	Lindong Liu;	Advanced New Technologies Co., Ltd.;
4,097	10929352	2021-02-23	2018-05-29	Securing access to confidential data using a blockchain ledger	Joel Vincent Nation; James Peter George Ryles;	Oracle International Corporation;
4,098	10929473	2021-02-23	2018-09-27	Integrated index blocks and searching in blockchain systems	Eric Allan Bier; Shantanu Rane;	Palo Alto Research Center Inc.;
4,099	10929545	2021-02-23	2018-07-31	System for providing access to data stored in a distributed trust computing network	Joseph Benjamin Castinado; Samuel Massa Moiyallah, Jr;	Bank of America Corporation;
4,100	10929570	2021-02-23	2020-05-08	Method, apparatus, and electronic device for blockchain-based infringement evidence storage	Qimeng Zou; Linqing Wang; Haitao Jiang;	Advanced New Technologies Co., Ltd.;

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4,101	10929816	2021-02-23	2018-10-29	Systems and methods for message transmission and retrieval using blockchain	Mahender Adluri;	Advanced Messaging Technologies, Inc.;
4,102	10929823	2021-02-23	2018-09-07	Peer auditing in a blockchain distribution network	Uri Klarman; Aleksandar Kuzmanovic;	Northwestern University;
4,103	10929842	2021-02-23	2018-07-16	System, method and program product for depositing and withdrawing stable value digital assets in exchange for fiat	Brandon Arvanaghi; Eric Neiman Winer; Daniel William Halley James; Stephen Judkins; Alex Parkinson; Cameron Howard Winklevoss; Tyler Howard Winklevoss;	Winklevoss Ip, LLC;
4,104	10929845	2021-02-23	2020-01-24	Method and apparatus for consensus verification	Ning Li;	Advanced New Technologies Co., Ltd.;
4,105	10929931	2021-02-23	2018-01-12	Distributed ledger system for carrier discovery	Ronny S Bryant; Stacie A McCullough; Mitchell J Hill; Jacob J Alt; Jaime Skaggs; Shawn M Call; Eric Bellas; Vicki King; Melinda Teresa Magerkurth;	State Farm Mutual Automobile Insurance Company;
4,106	10930089	2021-02-23	2018-02-20	Systems and methods for sensor recalibration via blockchain	William J Leise; Douglas A Graff; Stacie A McCullough; Shawn M Call; Eric Bellas; Jaime Skaggs; Jacob J Alt; Eric R Moore; Vicki King;	State Farm Mutual Automobile Insurance Company;
4,107	10930144	2021-02-23	2019-11-10	Systems and methods for collaborative road user safety	Victoria J Miller; Kevin L Miller;	Labyrinth Research LLC;
4,108	10930377	2021-02-23	2017-08-29	Dental health tracking via blockchain	Clifford A Pickover; Komminist Weldemariam;	International Business Machines Corporation;
4,109	10931437	2021-02-23	2019-12-04	System and method for healthcare security and interoperability	Jun Morimura; Jessica Lee; Rama Kondru; Thomas Doyle; Lichen Shen;	Janssen Pharmaceutica Nv;
4,110	10931438	2021-02-23	2018-08-13	Generating a representative article	Lisa M Dender; Matthew Chalkley; Robert T Sanders;	International Business Machines Corporation;
4,111	10931439	2021-02-23	2020-01-15	Data storage method, data query method and apparatuses	Hao Wu;	Advanced New Technologies Co., Ltd.;
4,112	10931440	2021-02-23	2020-05-08	Transaction processing in a service blockchain	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
4,113	10931441	2021-02-23	2019-02-14	Data storage, data check, and data linkage method and apparatus	Yi Li; Zunkui Zhao;	Advanced New Technologies Co., Ltd.;
4,114	10931449	2021-02-23	2020-06-04	System and method for updating data in blockchain	Yayang Guan; Yuan Chen; Kai Wang;	Advanced New Technologies Co., Ltd.;
4,115	10931462	2021-02-23	2020-02-14	Domain name management scheme for cross-chain interactions in blockchain systems	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
4,116	10931672	2021-02-23	2020-08-07	Certified transaction authentication system for unilaterally-issued records	Marcos V Dequeiroga; Marcio C Esteves; Tom Roesner;	Doctrace, LLC;
4,117	10931684	2021-02-23	2020-02-03	Data processing method and apparatus	Husen Wang;	Advanced New Technologies Co., Ltd.;
4,118	10932101	2021-02-23	2019-10-04	Blockchain system and method for calculating location of time-crucial shipments according to expectation and smart contracts	Elliot Klein;	
4,119	10929374	2021-02-23	2020-06-22	Constructing blockchain world state Merkle Patricia Trie subtree	Wenbin Zhang;	Advanced New Technologies Co., Ltd.;
4,120	10929870	2021-02-23	2018-06-07	Advertisement impression verification using blockchain	Amar Chokhawala; Vivek Gupta;	Reflektion, Inc.;

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4,121	10922309	2021-02-16	2020-05-22	Distributed ledger interaction system and methods	Joe Roets; Alex Benedetto; Adam Crowder; Roby Daquilante; Noah Gribbin; Regan Karlewicz; Daniel Luedke; David Rigby; Dean Shelton;	Dragonchain, Inc.;
4,122	10922421	2021-02-16	2020-01-14	Regulating blockchain confidential transactions	Zheng Liu; Lichun Li; Huazhong Wang;	Advanced New Technologies Co., Ltd.;
4,123	10922422	2021-02-16	2020-05-04	Blockchain-based image processing method and apparatus	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
4,124	10922425	2021-02-16	2018-04-04	Establishment of a confidential blockchain network	Jonathan James Gollogly;	Microsoft Technology Licensing, LLC;
4,125	10922652	2021-02-16	2020-05-16	Blockchain-based program review system, method, computing device and storage medium	Sui Ma;	Advanced New Technologies Co., Ltd.;
4,126	10922654	2021-02-16	2018-01-31	Software assurance and trust in a distributed delivery environment	Kapil Singi; Vikrant S Kaulgud; Sanjay Podder; Afsal Marattil; Pradeepkumar Duraisamy Soundrapandian;	Accenture Global Solutions Limited;
4,127	10922685	2021-02-16	2020-03-03	Multi-signature verification network	Jerry Perullo;	Intercontinental Exchange Holdings, Inc.;
4,128	10922692	2021-02-16	2018-03-23	Method for calculating confirmation reliability for blockchain based transaction and blockchain network monitoring system for performing the method	Ji Hwan Rhie; Hee Jung Wang; Kwang Wook Lee; Dong Hoe Kim; Seung Won Son;	Samsung Sds Co., Ltd.;
4,129	10922757	2021-02-16	2019-05-29	Blockchain-based commodity claim method and apparatus, and electronic device	Danqing Hu;	Advanced New Technologies Co., Ltd.;
4,130	10923215	2021-02-16	2017-09-19	Sample tracking via sample tracking chains, systems and methods	Nicholas J Witchey; Patrick Soon-Shiong;	Nant Holdingsip, LLC;
4,131	10924265	2021-02-16	2017-11-22	Blockchain technology	Chikafumi Yasumoto; Yutaka Oishi; Munetaka Ohtani; Jiayun Zhu; Kumiko Maeda;	International Business Machines Corporation;
4,132	10924281	2021-02-16	2020-07-31	Method and apparatus for inter-blockchain transmission of authenticable message	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
4,133	10924283	2021-02-16	2017-06-12	Dynamically-changing identity for IoT devices with blockchain validation	Rajiv Asati; Nagendra Kumar Nainar; Carlos M Pignataro;	Cisco Technology, Inc.;
4,134	10924288	2021-02-16	2020-07-10	Managing blockchain-based centralized ledger systems	Wenyuan Yan; Yuan Zhang; Xinying Yang; Benquan Yu; Yize Li;	Advanced New Technologies Co., Ltd.;
4,135	10924363	2021-02-16	2019-04-12	Method and system for secure resource management utilizing blockchain and smart contracts	Jianli Pan; Jianyu Wang;	The Curators of the University of Missouri;
4,136	10924466	2021-02-16	2018-07-27	System and method for IOT security	Amit Biyani; Gunjan Karun;	Smartaxiom, Inc.;
4,137	10924484	2021-02-16	2018-05-31	Method for determining a cost to allow a blockchain-based admission to a protected entity	Alon Lelcuk; David Aviv;	Radware, Ltd.;
4,138	10924489	2021-02-16	2018-01-19	Building trusted public blockchain networks based on participants' digital social behavior	Fenglian Xu; Jake Turner; Liam Grace; Anastasia Paterson;	International Business Machines Corporation;
4,139	10924498	2021-02-16	2020-07-30	System and method for registering subscribable states in blockchain	Yayang Guan; Rubing Shi;	Advanced New Technologies Co., Ltd.;
4,140	10922384	2021-02-16	2019-10-15	Contents blockchain platform	Young Sik Bae;	Whoborn Inc.;

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4,141	10915115	2021-02-09	2018-08-02	Method and apparatus for enabling map updates using a blockchain platform	Justyna Zander;	Nvidia Corporation;
4,142	10915366	2021-02-09	2018-09-28	Secure edge-cloud function as a service	Ned M Smith; Rajesh Poornachandran;	Intel Corporation;
4,143	10915512	2021-02-09	2019-09-09	Limiting blockchain size to optimize performance	Rhonda L Childress; Rahul Gupta; David B Kumhyr; Maharaj Mukherjee;	International Business Machines Corporation;
4,144	10915521	2021-02-09	2019-05-13	Blockchain gateway device and associated method of use	Olaf Funke; Guido Reissner;	Syniverse Technologies, LLC;
4,145	10915552	2021-02-09	2018-06-28	Delegating credentials with a blockchain member service	Jan L Camenisch; Manu Drijvers; Maria Dubovitskaya;	International Business Machines Corporation;
4,146	10915641	2021-02-09	2018-10-30	Implementation of continuous real-time validation of distributed data storage systems	Alfred Michael Smith; Muhammad Emad Khan; Henry Hwangbo; Timothy Kyunghyun Won;	Pricewaterhousecoopers Llp;
4,147	10915874	2021-02-09	2017-01-09	System and process for tokenization of digital media	Shannon Code; Sean Dennis; Gregory Simon;	Loyyal Corporation;
4,148	10915901	2021-02-09	2020-01-16	Method and apparatus for processing transaction requests	Ning Li;	Advanced New Technologies Co., Ltd.;
4,149	10916253	2021-02-09	2018-10-29	Spoken microagreements with blockchain	Rasit O Topaloglu;	International Business Machines Corporation;
4,150	10917230	2021-02-09	2019-09-30	Managing sensitive data elements in a blockchain network	Zhiyuan Feng; Yanpeng Li; Long Cheng;	Advanced New Technologies Co., Ltd.;
4,151	10917233	2021-02-09	2018-10-16	Selective exchange of transaction data	Varun Ojha; Praveen Jayachandran;	International Business Machines Corporation;
4,152	10917244	2021-02-09	2019-04-15	Blockchain network communication management	Jordan Martin; Justin Martin;	Callfire, Inc.;
4,153	10917246	2021-02-09	2020-06-10	System and method for blockchain-based cross-entity authentication	Shubo Li; Jiawei Liu; Renhui Yang;	Advanced New Technologies Co., Ltd.;
4,154	10917249	2021-02-09	2020-07-31	Processing data elements stored in blockchain networks	Zhiyuan Feng; Yanpeng Li; Long Cheng;	Advanced New Technologies Co., Ltd.;
4,155	10917414	2021-02-09	2019-08-14	Monitoring actions performed by a network of peer devices using a blockchain	Miao He; Changrui Ren; Bing Shao; Yue Tong;	International Business Machines Corporation;
4,156	10917793	2021-02-09	2019-03-04	Verifying network subsystem integrity with blockchain	Sireen Malik;	T-moblle Usa, Inc.;
4,157	10916845	2021-02-09	2019-09-12	Blockchain cellular system	Bao Tran; Ha Tran;	
4,158	10917234	2021-02-09	2018-05-03	Blockchain for on-chain management of off-chain storage	Lenin Mehedy; Yuan Yuan; Wenbin Zhang;	International Business Machines Corporation;
4,159	10908974	2021-02-02	2020-04-13	System and method for blockchain-based notification	Yayang Guan; Rubing Shi;	Advanced New Technologies Co., Ltd.;
4,160	10909085	2021-02-02	2020-02-20	Blockchain-based data processing method and device	Honglin Qiu;	Advanced New Technologies Co., Ltd.;

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4,161	10909195	2021-02-02	2018-01-05	Socially enabled provider/consumer consensus	Kelley Anders; Jonathan Dunne; Liam S Harpur; Jeremy R Fox;	International Business Machines Corporation;
4,162	10909223	2021-02-02	2020-07-31	Copyright protection based on hidden copyright information	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
4,163	10909252	2021-02-02	2020-05-18	Blockchain-based relationship binding method, apparatus, and device	Xueqing Zou; Siyu Xia; Lei Cao; Jincheng Wang;	Advanced New Technologies Co., Ltd.;
4,164	10909269	2021-02-02	2019-12-20	Secure communications in a blockchain network	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
4,165	10909273	2021-02-02	2018-04-20	Selective data security within data storage layers	Piergiorgio Rettaroli; John V Velissarios; Salvatore Gifuni; John W Elliott;	Accenture Global Solutions Limited;
4,166	10909317	2021-02-02	2020-02-05	Blockchain-based text similarity detection method, apparatus and electronic device	Kaiming Huang; Lei Yang;	Advanced New Technologies Co., Ltd.;
4,167	10909534	2021-02-02	2018-02-08	Cryptocurrency with value based on electronic resources made available to peer nodes	Pawel Cichocki;	Prortus;
4,168	10909644	2021-02-02	2020-07-06	Blockchain-based judgment execution	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
4,169	10909857	2021-02-02	2020-08-12	Blockchain airspace management system	Jeffrey Bosworth;	Textron Innovations Inc.;
4,170	10911220	2021-02-02	2019-12-12	Shared blockchain data storage based on error correction code	Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
4,171	10911240	2021-02-02	2018-07-23	Off-chain blockchain storage with validation	Aritoki Takada;	Hitachi, Ltd.;
4,172	10911244	2021-02-02	2020-07-30	Retrieving public data for blockchain networks using highly available trusted execution environments	Yirong Yu;	Advanced New Technologies Co., Ltd.;
4,173	10911251	2021-02-02	2020-07-31	Blockchain ledger authentication	Xinying Yang; Yuan Zhang; Benquan Yu; Yize Li;	Advanced New Technologies Co., Ltd.;
4,174	10911461	2021-02-02	2019-05-24	Parallel execution of transactions in a blockchain network based on smart contract whitelists	Ning Xia; Guilu Xie; Fuxi Deng;	Advanced New Technologies Co., Ltd.;
4,175	10909122	2021-02-02	2018-11-09	Using modified blockchain concepts to guarantee no tuple loss and/or no tuple corruption	Roger A Mittelstadt; Rafal P Konik; Jessica R Eidem; Jingdong Sun;	International Business Machines Corporation;
4,176	10911219	2021-02-02	2017-12-01	Hierarchical blockchain consensus optimization scheme	Ruslan Ardashev; Nitin Gaur;	International Business Machines Corporation;
4,177	10901732	2021-01-26	2019-07-10	System and method using a blockchain matrix	Tracy L Nelson; Lyle W Paczkowski;	Sprint Communications Comapny L.p.;
4,178	10901955	2021-01-26	2018-07-29	Smart contract input mapping	Naoto Sato; Takaaki Tateishi; Shunichi Amano;	International Business Machines Corporation;
4,179	10901957	2021-01-26	2018-08-29	Checkpointing for increasing efficiency of a blockchain	Senthilnathan Natarajan; Chander Govindarajan; Manish Sethi; Adarsh Saraf;	International Business Machines Corporation;
4,180	10901983	2021-01-26	2019-03-01	System and method for universal blockchain interoperability	Weijia Zhang; Xujun Lu;	Wanchain Ltd.;

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4,181	10902388	2021-01-26	2018-05-23	Method and device for adding transactions to a blockchain	Sven Trieflinger;	Robert Bosch G.m.b.h.;
4,182	10902419	2021-01-26	2020-02-24	Blockchain-based system for efficient storage and retrieval of disparate supply-side transaction information	Pratik Soni; Richard Gunawan;	Omnichain Solutions Inc.;
4,183	10902685	2021-01-26	2019-12-13	Augmented reality remote authoring and social media platform and system	John T Daly;	
4,184	10903980	2021-01-26	2018-10-08	System and method to protect sensitive information via distributed trust	Ryan Matthew Peterson; Julia Clavien; Daniel James Gilligan; Paul Milton McCarney; Daniel Kevin Austin;	Data Republic Pty Ltd;
4,185	10903981	2021-01-26	2019-12-12	Log-structured storage systems	Shikun Tian;	Advanced New Technologies Co., Ltd.;
4,186	10903982	2021-01-26	2018-12-10	Smart contract-based data transfer method and system	Yuzhuang Xu; Yu Zhou; Tao Zhu; Xiang Yao;	China Unionpay Co., Ltd.;
4,187	10903989	2021-01-26	2020-03-09	Blockchain transaction processing method and apparatus	Ping Dai; Wenlong Yang; Shubo Li; Jincheng Wang;	Advanced New Technologies Co., Ltd.;
4,188	10904009	2021-01-26	2018-05-30	Blockchain implementing delta storage	Petr Novotny; Qi Zhang; Venkatraman Ramakrishna; Nitin Gaur; Donna N Dillenberger;	International Business Machines Corporation;
4,189	10904013	2021-01-26	2020-07-30	Managing blockchain-based centralized ledger systems	Yize Li; Benquan Yu; Xinying Yang; Wenyuan Yan; Yuan Zhang;	Advanced New Technologies Co., Ltd.;
4,190	10904017	2021-01-26	2020-07-09	Managing blockchain-based centralized ledger systems	Yize Li; Yuan Zhang; Wenyuan Yan; Benquan Yu; Xinying Yang;	Advanced New Technologies Co., Ltd.;
4,191	10904251	2021-01-26	2020-05-08	Blockchain-based copyright protection method and apparatus, and electronic device	Zhiguo Li;	Advanced New Technologies Co., Ltd.;
4,192	10904722	2021-01-26	2020-09-02	Blockchain system and method for calculating location of time-crucial shipments according to expectation and smart contracts	Elliot Klein;	
4,193	10902425	2021-01-26	2018-12-18	System and method for biometric credit based on blockchain	Robert Cantrell; David M Nelms; Sid Shake; Charles Lobo; Donald R High; Todd Mattingly; Brian McHale; John J O'Brien; Bruce Wilkinson;	Walmart Apollo, LLC;
4,194	10896149	2021-01-19	2018-07-29	Composition operators for smart contract	Naoto Sato; Takaaki Tateishi; Shunichi Amano;	International Business Machines Corporation;
4,195	10896195	2021-01-19	2018-07-29	Automatic generation of smart contracts	Naoto Sato; Takaaki Tateishi; Shunichi Amano;	International Business Machines Corporation;
4,196	10896360	2021-01-19	2019-02-21	Tracking systems, methods and apparatus	Ken G Tisdel;	
4,197	10896412	2021-01-19	2019-03-12	Trustless physical cryptocurrency	Charles Cameron Robertson; Tilman Heiner Drerup; Paul Michael Gerhardt; David Joshua Myers;	Airtime Network, Inc.;
4,198	10896418	2021-01-19	2018-06-27	Secure management of data files using a blockchain	Sergio Pinzon Gonzales, Jr;	Ebay, Incorporated;
4,199	10896436	2021-01-19	2020-06-15	Systems and methods for providing authenticity, integrity, and non-repudiation to advertising technology	Nelson Hunter Prendergast; Aaron Brown;	
4,200	10897348	2021-01-19	2020-05-06	Method and system for managing consent and utilization of information using blockchain	Jinhong Yang;	Piamond Corp.;

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4,201	10897499	2021-01-19	2018-04-24	Resolving status and synchronization discrepancies in a distributed computing environment using blockchains	Gary F Diamanti; Aaron K Baughman; Mauro Marzorati; Jorge Alonso Hernandez Nevarez;	International Business Machines Corporation;
4,202	10896165	2021-01-19	2017-05-03	Management of snapshot in blockchain	Hiroshi Horii; Kohichi Kamijoh; Kiyokuni Kawachiya; Shohei Ohsawa; Hironori Takeuchi;	International Business Machines Corporation;
4,203	10896166	2021-01-19	2017-11-01	Management of snapshot in blockchain	Hiroshi Horii; Kohichi Kamijoh; Kiyokuni Kawachiya; Shohei Ohsawa; Hironori Takeuchi;	International Business Machines Corporation;
4,204	10897522	2021-01-19	2020-04-13	Method, apparatus, and electronic device for processing consensus requests in a blockchain consensus network	Rui Chen; Guofei Jiang; Huabing Du; Husen Wang;	Advanced New Technologies Co., Ltd.;
4,205	10891129	2021-01-12	2019-08-29	Decentralized development operations blockchain system	Emmanuel Benbinuto Antonio; Darwin Endaya Flores; Yvonne Jean Balsamo Martinez;	Accenture Global Solutions Limited;
4,206	10891383	2021-01-12	2016-02-10	Validating computer resource usage	Joshua Daniel; Theo Dimitrakos; Gery Ducatel;	British Telecommunications Public Limited Company;
4,207	10891384	2021-01-12	2018-02-14	Blockchain transaction device and method	Douwe van de Ruit; Rinze Cats;	Koninklijke Kpn N.v.;
4,208	10891612	2021-01-12	2019-05-10	Blockchain member management data processing methods, apparatuses, servers, and systems	Xuming Lu; Husen Wang;	Advanced New Technologies Co., Ltd.;
4,209	10891613	2021-01-12	2019-01-31	Methods and systems for governing usage-based leases utilizing blockchain capital	Keith William Schindler;	
4,210	10891694	2021-01-12	2018-04-19	Using vehicle mode for subrogation on a distributed ledger	William J Leise; Douglas A Graff; Anthony McCoy; Jaime Skaggs; Shawn M Call; Stacie A McCullough; Wendy H Clayton; Melinda Teresa Magerkurth; Kim E Flesher; Travis Charles Runge;	State Farm Mutual Automobile Insurance Company;
4,211	10892887	2021-01-12	2019-12-31	Method and system for storing a binary large object	Thomas Thompson;	North Peak Resources Ltd.;
4,212	10892888	2021-01-12	2020-07-27	System and method for information protection	Baoli Ma; Wenbin Zhang; Lichun Li; Zheng Liu; Shan Yin;	Advanced New Technologies Co., Ltd.;
4,213	10892898	2021-01-12	2020-07-14	Shared blockchain data storage	Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
4,214	10893048	2021-01-12	2020-06-15	Multi-blockchain network data processing	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
4,215	10893112	2021-01-12	2020-06-30	System and method for continuous tracking of media playback using blockchain	Pouria Assadipour; Andrew Batey; Morgan Hayduk;	Beatdapp Software Inc.;
4,216	10892894	2021-01-12	2020-03-17	Identity verification using biometric data and non-invertible functions via a blockchain	Aaron K Baughman; Charles E Beller; Sean M Fuoco; Chennakesavalu Govindasamy; Palani Sakthi;	International Business Machines Corporation;
4,217	10884810	2021-01-05	2017-11-16	Workload management using blockchain-based transaction deferrals	Prashant Verma; Ronil Sudhir Mokashi;	Amazon Technologies, Inc.;
4,218	10885022	2021-01-05	2019-12-12	Log-structured storage systems	Shikun Tian;	Advanced New Technologies Co., Ltd.;
4,219	10885159	2021-01-05	2018-07-09	Content anti-piracy management system and method	Mohammed Artin Smaiely; Alex Seth Fonoroff;	Dish Network L.l.c.;
4,220	10885170	2021-01-05	2018-11-20	Methods, systems, and storage media for managing patient information using a blockchain network	Dennis Maliani;	Apotheka Systems Inc.;

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4,221	10885207	2021-01-05	2020-05-14	Method, apparatus, and electronic device for blockchain-based recordkeeping	Hong Zhang; Haitao Jiang; Linqing Wang; Xinyu Weng; Fuqiang Li; Feng Lin; Jun Wu; Xiaodong Zeng; Lei Yang;	Advanced New Technologies Co., Ltd.;
4,222	10885228	2021-01-05	2019-06-26	Cryptographic ASIC with combined transformation and one-way functions	Edward L Rodriguez De Castro; Sagar V Reddy;	Blockchain Asics LLC;
4,223	10885581	2021-01-05	2018-10-22	Data auditing method and device	Pengfei Ying;	Advanced New Technologies Co., Ltd.;
4,224	10885590	2021-01-05	2018-04-04	Granting access to a blockchain ledger	Gandhi Sivakumar; Faried Abrahams; Krishnan K Ramachandran; Anand Pikle; Amol A Dhondse;	International Business Machines Corporation;
4,225	10885624	2021-01-05	2019-01-10	Image-based origin validation	Lucas Correia Villa Real; Vagner Figueredo de Santana; Priscilla Barreira Avegliano; Carlos Henrique Cardonha;	International Business Machines Corporation;
4,226	10887081	2021-01-05	2018-06-28	Audit trail configuration in a blockchain	Martin Oberhofer; Ivan M Milman; Sushain Pandit;	International Business Machines Corporation;
4,227	10887082	2021-01-05	2018-07-24	Internet of things blockchain auditing	Ravishankar Chamarajnager; Devanand Kondur; Vasudev Yendapally; Niranjan Maka;	Vmware, Inc.;
4,228	10887107	2021-01-05	2018-05-15	Proof-of-work for securing IoT and autonomous systems	Calvin Chan;	National Technology & Engineering Solutions of Sandia, LLC;
4,229	10887112	2021-01-05	2020-07-31	Blockchain consensus method and device	Hao Wu;	Advanced New Technologies Co., Ltd.;
4,230	10887254	2021-01-05	2018-02-01	Enterprise messaging using blockchain system	Ondrej Zizka;	Red Hat, Inc.;
4,231	10887389	2021-01-05	2020-01-02	Decentralized immutable storage blockchain configuration	Luis Angel D Bathen; Gabor Madl; Ramani R Routray; Mu Qiao;	International Business Machines Corporation;
4,232	10887559	2021-01-05	2020-02-13	Video camera device and method to monitor a child in a vehicle by secure video transmission using blockchain encryption and SIM card WiFi transmission	Giuseppe Veneziano;	
4,233	10885276	2021-01-05	2018-08-22	Document clearance using blockchain	Uri Kartoun; Fang Lu;	International Business Machines Corporation;
4,234	10887309	2021-01-05	2018-01-10	Apparatus and system for managing transaction information of public organization using blockchain technology	Seyoung Huh; Seok Hyun Kim; Soo Hyung Kim; Seung-Hyun Kim; Youngsam Kim; Jong-Hyouk Noh; Sangrae Cho; Young Seob Cho; Jin-Man Cho; Jung Yeon Hwang; Seung Hun Jin;	Electronics and Telecommunications Research Institute;
4,235	10877802	2020-12-29	2020-01-27	Blockchain-based data processing method and equipment	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
4,236	10877821	2020-12-29	2020-06-16	System and method for blockchain-based notification	Rubing Shi; Yayang Guan;	Advanced New Technologies Co., Ltd.;
4,237	10877829	2020-12-29	2020-06-16	System and method for ending view change protocol	Dayi Yang;	Advanced New Technologies Co., Ltd.;
4,238	10877930	2020-12-29	2019-07-26	Blockchain-based cross-chain data access method and apparatus	Zhonghao Lu;	Advanced New Technologies Co., Ltd.;
4,239	10877962	2020-12-29	2017-08-11	Deferred update of database hashcode in blockchain	Hiroshi Horii; Ryo Kawahara;	International Business Machines Corporation;
4,240	10878052	2020-12-29	2019-07-26	Blockchain-based cross-chain data operation method and apparatus	Zhonghao Lu;	Advanced New Technologies Co., Ltd.;

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4,241	10878210	2020-12-29	2018-01-15	Method and apparatus for secure identifier management	Laurent Tonnelier;	Mobilead;
4,242	10878388	2020-12-29	2018-07-30	Systems and methods for artificial-intelligence-based automated surface inspection	Dongyan Wang; Haisong Gu; Mingze Xu; Kuangyuan Sun;	Visionx Inc.;
4,243	10878423	2020-12-29	2020-06-08	Blockchain-based transaction processing method and apparatus	Hao Wu;	Advanced New Technologies Co., Ltd.;
4,244	10878429	2020-12-29	2018-10-10	Systems and methods for using codes and images within a blockchain	Konstantinos Bakalis;	
4,245	10878512	2020-12-29	2018-08-07	Blockchain technology for storing electronic medical records to enable instant life insurance underwriting	Amjed Ratib Al-Zoubi; Meliza Carrion; Joseph George; Christopher Scott Lowe;	United Services Automobile Association (usaa);
4,246	10878518	2020-12-29	2018-04-30	Blockchain enabled quality control in construction projects	Victor Povar; Craig M Trim; Sarbajit K Rakshit; Ahmed Nassar;	International Business Machines Corporation;
4,247	10878522	2020-12-29	2017-08-18	Systems and methods for using blockchains to record, manage, and transfer ownership rights to land titles	David H Blackman; David Brown;	First American Financial Corporation;
4,248	10880070	2020-12-29	2018-02-08	Distributed blockchain ledger for vehicular systems	Kevin J Delaney; Joseph G Razo; Diane D McClatchy;	Rockwell Collins, Inc.;
4,249	10880071	2020-12-29	2018-05-16	Programmable blockchain solid state drive and switch	Rajinikanth Pandurangan; Vijay Balakrishnan;	Samsung Electronics Co., Ltd.;
4,250	10880072	2020-12-29	2018-06-20	Systems and methods for controlled random endorsement in a blockchain network	Pradeep Menon; Rahul Koneru;	Verizon Patent and Licensing Inc.;
4,251	10880073	2020-12-29	2018-08-08	Optimizing performance of a blockchain	Dongming Hwang; Barry Mosakowski; Jianjun Zhang;	International Business Machines Corporation;
4,252	10880075	2020-12-29	2019-06-17	Method and system for fast tracking navigation of blockchains via data manipulation	David J King;	Mastercard International Incorporated;
4,253	10880077	2020-12-29	2019-10-31	Processing blockchain data based on smart contract operations executed in a trusted execution environment	Changzheng Wei; Ying Yan; Boran Zhao; Xuyang Song; Huabing Du;	Advanced New Technologies Co., Ltd.;
4,254	10880078	2020-12-29	2019-12-30	Data storage, data check, and data linkage method and apparatus	Yi Li; Zunkui Zhao;	Advanced New Technologies Co., Ltd.;
4,255	10880104	2020-12-29	2018-03-20	Methods and apparatus to manage timing in a blockchain network	Daniel C Middleton;	Intel Corporation;
4,256	10880105	2020-12-29	2019-12-13	Managing blockchain-based centralized ledger systems	Yize Li; Benquan Yu; Xinying Yang; Yuan Zhang; Wenyuan Yan;	Advanced New Technologies Co., Ltd.;
4,257	10880260	2020-12-29	2020-06-19	Distributed domain name resolution and method for use of same	Scott Gaydos; Robert Otting;	Etherweb Technologies LLC;
4,258	10880383	2020-12-29	2020-01-27	Methods and devices for establishing communication between nodes in blockchain system	Yitong Qi; Jiang Wang;	Advanced New Technologies Co., Ltd.;
4,259	10870358	2020-12-22	2017-08-29	Systems and methods for enabling automatic management of power loads and power generation based on user-specified set of rules	Valery Miftakhov; Alexander Gurzhi; Alan White;	Enel X North America, Inc.;
4,260	10871948	2020-12-22	2017-05-31	Smart contract blockchain abstraction API	Michael D Dowling;	Wells Fargo Bank, N.a.;

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4,261	10871979	2020-12-22	2020-01-24	Methods and devices for establishing communication between blockchain networks	Yanpeng Li;	Advanced New Technologies Co., Ltd.;
4,262	10872077	2020-12-22	2017-11-17	Management of entitlements using blockchain	David D Wright, Sr;	
4,263	10872170	2020-12-22	2020-02-27	Blockchain-based copyright distribution	Lindong Liu; Jiayin Liu;	Advanced New Technologies Co., Ltd.;
4,264	10872381	2020-12-22	2018-04-18	Evidence oracles	William J Leise; Douglas A Graff; Anthony McCoy; Jaime Skaggs; Shawn M Call; Stacie A McCullough; Wendy H Clayton; Melinda Teresa Magerkurth; Kim E Flesher; Travis Charles Runge;	State Farm Mutual Automobile Insurance Company;
4,265	10873449	2020-12-22	2018-08-27	Key data processing method and apparatus, and server	Hao Wu;	Advanced New Technologies Co., Ltd.;
4,266	10873456	2020-12-22	2020-01-10	Neural network classifiers for block chain data structures	Victor Bovee Dods; Benjamin James Taylor; Leonid Alekseyev;	Ledgerdomain Inc.;
4,267	10873625	2020-12-22	2018-02-26	Service management for the infrastructure of blockchain networks	Sai Zeng; Jun Duan; Alexei Karve; Neeraj Asthana; Vugranam C Sreedhar; Nerla Jean-Louis;	International Business Machines Corporation;
4,268	10873849	2020-12-22	2019-12-10	System and method for universal mobile device lock using blockchain	Sheng Qiang; Kantha Kumar Kanchiraju;	Samsung Electronics Co., Ltd.;
4,269	10873852	2020-12-22	2020-04-10	POOFster: a secure mobile text message and object sharing application, system, and method for same	Robert Bernardi;	Avila Technology, LLC;
4,270	10866823	2020-12-15	2019-03-26	System and method for implementing different types of blockchain contracts	He Sun;	Advanced New Technologies Co., Ltd.;
4,271	10867057	2020-12-15	2018-05-31	Decentralized encryption and decryption of blockchain data	Michal Knas; Jiby John; Rick Ferry; Krzysztof Gibadlo;	Massachusetts Mutual Life Insurance Company;
4,272	10867288	2020-12-15	2019-11-25	Blockchain payment notification system	Rajendra Mokshagundam; Smitha Menon; Rajeesh Koythatta Mee;	Capital One Services, LLC;
4,273	10867299	2020-12-15	2019-12-17	Methods and devices for providing transaction data to blockchain system for processing	Long Cheng; Yanpeng Li;	Advanced New Technologies Co., Ltd.;
4,274	10868667	2020-12-15	2018-11-06	Blockchain enhanced V2X communication system and method	Jimmy Qi; Richard Liu;	Gm Global Technology Operations LLC;
4,275	10868668	2020-12-15	2019-09-11	Parallel assurance of blockchain signatures	Phillip H Griffin; Jeffrey J Stapleton;	Wells Fargo Bank, N.a.;
4,276	10868674	2020-12-15	2019-06-05	Decentralized database optimizations	James Douglas Beecham; Justin W Fly; Christopher Edward Struttmann; Scott Nathaniel Goldfarb; Jackson Chaiken; Thomas Daly; Judson Benton Locke; Mark Snellman;	Altr Solutions, Inc.;
4,277	10868865	2020-12-15	2018-11-20	System and apparatus to manage data using a peer-to-peer network and the blockchain	Moshe Shadmon; Levy Cohen; Daniel Abadi; Owen Arden;	
4,278	10860259	2020-12-08	2019-08-18	Multi-tiered storage system for blockchain	Tyson York Winarski;	
4,279	10860265	2020-12-08	2019-04-24	Image forming system, server, image forming apparatus, and image forming method that reduce server capacity and allows to pull print	Naohiko Kosaka;	Kyocera Document Solutions Inc.;
4,280	10860350	2020-12-08	2020-01-06	System and method for implementing different types of blockchain contracts	He Sun;	Advanced New Technologies Co., Ltd.;

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4,281	10860574	2020-12-08	2020-01-24	Method, apparatus, and system for blockchain consensus	Weiming Zhuang;	Advanced New Technologies Co., Ltd.;
4,282	10860659	2020-12-08	2018-09-06	Distributed verification of digital work product	Prashant Verma; Ronil Mokashi;	Amazon Technologies, Inc.;
4,283	10860710	2020-12-08	2020-06-16	Processing and storing blockchain data under a trusted execution environment	Changzheng Wei; Ying Yan; Boran Zhao; Xuyang Song; Huabing Du;	Advanced New Technologies Co., Ltd.;
4,284	10861014	2020-12-08	2017-10-19	Data monetization and exchange platform	Jason Crabtree; Andrew Sellers;	Qomplx, Inc.;
4,285	10861015	2020-12-08	2018-01-23	Blockchain based account funding and distribution	Jacob J Alt; Eric Bellas; Jaime Skaggs; Shawn M Call; Melinda Teresa Magerkurth; Vicki King; Charles H Roscow; Scott Shoop; Greg Hayes; Robert Alpine Jennings; Amber Nelson-Wolfe; Shyam Tummala;	State Farm Mutual Automobile Insurance Company;
4,286	10861016	2020-12-08	2020-05-15	Event processing method, apparatus and electronic device based on blockchain technology	Baoli Ma;	Advanced New Technologies Co., Ltd.;
4,287	10862671	2020-12-08	2017-08-02	Global ownership registry	William Leddy;	Visa International Service Association;
4,288	10862691	2020-12-08	2018-07-19	Method, apparatus, and electronic device for communication between blockchain nodes, and method, apparatus, and electronic device for blockchain-based certificate management	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
4,289	10862859	2020-12-08	2018-12-12	Highly available DHCP service by running DHCP servers on a blockchain network	Balakumaran Kannan; Manimuthu Muthaiya Athmalingam; Dinesh Pulivalam Ramakrishnan;	Hewlett Packard Enterprise Development LP;
4,290	10862899	2020-12-08	2019-02-27	Method, apparatus, system, and electronic device for cross-blockchain interaction	Honglin Qiu; Huabing Du;	Advanced New Technologies Co., Ltd.;
4,291	10862960	2020-12-08	2019-09-24	Blockchain-based property management	Sasidhar Purushothaman; Suki Ramasamy;	Bank of America Corporation;
4,292	10861112	2020-12-08	2017-08-07	Systems and methods for advanced energy settlements, network-based messaging, and applications supporting the same on a blockchain platform	Joseph W Forbes, Jr; Nathaniel Taylor Brockman; Thomas Marshall Gordon, III; JiNan Glasgow George;	Causam Energy, Inc.;
4,293	10862672	2020-12-08	2017-10-24	Witness blocks in blockchain applications	Glenn Scott; Michael R Gabriel;	Intuit, Inc.;
4,294	10862959	2020-12-08	2016-11-28	Consensus system and method for adding data to a blockchain	Keir Finlow-Bates;	
4,295	10853198	2020-12-01	2019-01-30	System to restore a transformation state using blockchain technology	Haribabu Reddy Marthala; Bhagat Kumar Allugubelly;	Bank of America Corporation;
4,296	10853341	2020-12-01	2020-02-13	Blockchain based hierarchical data storage	Zhonghao Lu; Haizhen Zhuo; Benquan Yu;	Advanced New Technologies Co., Ltd.;
4,297	10853354	2020-12-01	2020-03-09	Method of generating globally verifiable unique identifiers using a scalable interlinked blockchain structure	S Ryan Quick; Armand Kolster;	Providentia Worldwide, LLC;
4,298	10853456	2020-12-01	2019-05-23	Authenticating media data based on steganographic and blockchain techniques	Jason Lealand Crawforth; Michael Robert Blood;	Deeptruth, LLC;
4,299	10853772	2020-12-01	2018-05-11	Method and system for exchange of value or tokens between blockchain networks	Vijay K Madisetti; Arshdeep Bahga;	
4,300	10853801	2020-12-01	2020-01-08	Methods and devices for protecting sensitive data of transaction activity based on smart contract in blockchain	Long Cheng; Yanpeng Li;	Advanced New Technologies Co., Ltd.;

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4,301	10853812	2020-12-01	2019-03-07	Blockchain transaction safety	David Charles Kuchar; Malcolm Garland;	Coral Protocol;
4,302	10855446	2020-12-01	2018-04-24	Autonomous exchange via entrusted ledger	Benedict Ow; Richard Stiles; Anthony Tan;	Duvon Corporation;
4,303	10855447	2020-12-01	2018-10-30	Request approval using blockchain technology	Parmeshwr Prasad; Shishir Choubey;	Emc IP Holding Company LLC;
4,304	10855448	2020-12-01	2018-05-03	Apparatus and method for using blockchains to establish trust between nodes in industrial control systems or other systems	Kevin McMurdie; Ganesh P Gadhe;	Honeywell International Inc.;
4,305	10855449	2020-12-01	2020-06-30	Blockchain system and data storage method and apparatus	Ning Li;	Advanced New Technologies Co., Ltd.;
4,306	10855667	2020-12-01	2018-06-01	Using keys with targeted access to the blockchain to verify and authenticate identity	Lorenz Lee Breu;	Paypal, Inc.;
4,307	10855749	2020-12-01	2018-07-03	Methods, devices and systems for a distributed coordination engine-based exchange that implements a blockchain distributed ledger	Ramakrishna Thurimella; Yeturu Aahlad;	Wandisco Inc.;
4,308	10855778	2020-12-01	2018-10-31	Distributed ledger for edge server management	Stephen J Todd; Assaf Natanzon;	Emc IP Holding Company LLC;
4,309	10855838	2020-12-01	2020-05-14	Systems and methods for blockchain wireless services in a controlled environment	Michael Francis Byrne; Brian Francis Byrne;	
4,310	10855868	2020-12-01	2019-09-10	Systems, processes, and computer program products for detecting and verifying invisible information in documents	Dilinur Wushour;	Kyocera Document Solutions Inc.;
4,311	10856116	2020-12-01	2020-08-05	Blockchain system and method for calculating location of time-crucial shipments according to expectation and smart contracts	Elliot Klein;	
4,312	10846182	2020-11-24	2020-03-02	Blockchain-based consensus method and device	Qiang Tang;	Advanced New Technologies Co., Ltd.;
4,313	10846416	2020-11-24	2019-10-16	Method for managing document on basis of blockchain by using UTXO-based protocol, and document management server using same	Joon Sun Uhr; Jay Wu Hong; Ju Min Lee;	Coinplug, Inc.;
4,314	10846485	2020-11-24	2019-09-20	Machine learning model modification and natural language processing	David Bacarella; James H Barnebee, IV; Nicholas Lawrence; Sumit Patel;	International Business Machines Corporation;
4,315	10846762	2020-11-24	2018-09-28	Blockchain based cold email campaign	Stewart Macgregor Dennis; Oleg Kalistratov;	Turing Technology, Inc.;
4,316	10846765	2020-11-24	2020-01-31	Blockchain-based e-bill number application method, apparatus, and electronic device	Zhen Sun; Longsheng Qing; Xueqing Yang; Ge Jin; Zhenzhong Meng; Yu Chu;	Advanced New Technologies Co., Ltd.;
4,317	10848314	2020-11-24	2020-01-23	Blockchain data processing methods, apparatuses, processing devices, and systems	Husen Wang; Xuming Lu;	Advanced New Technologies Co., Ltd.;
4,318	10848315	2020-11-24	2016-07-11	Contract agreement method, agreement verification method, contract agreement system, agreement verification device, contract agreement device, contract agreement program and agreement verification program	Hiroki Watanabe; Akihito Akutsu; Yasuhiko Miyazaki; Atsushi Nakadaira; Shigeru Fujimura;	Nippon Telegraph and Telephone Corporation;
4,319	10848318	2020-11-24	2018-11-15	System for authenticating certificate based on blockchain network, and method for authenticating certificate based on blockchain network by using same	Joon Sun Uhr; Jay Wu Hong; Joo Han Song;	Coinplug, Inc.;
4,320	10848319	2020-11-24	2018-11-15	System for issuing certificate based on blockchain network, and method for issuing certificate based on blockchain network by using same	Joon Sun Uhr; Jay Wu Hong; Joo Han Song;	Coinplug, Inc.;

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4,321	10848322	2020-11-24	2018-03-26	System and method for distributed PKI root	Darshak Thakore; Michael Glenn; Brian Alexander Scriber; Steven John Goeringer;	Cable Television Laboratories, Inc.;
4,322	10848325	2020-11-24	2019-10-30	Systems and methods for notary agent for public key infrastructure names	David V Duccini; Phillip H Griffin; Jeffrey J Stapleton;	Wells Fargo Bank, N.a.;
4,323	10848622	2020-11-24	2019-04-18	Control information for public switched telephone network (PSTN) using blockchain system	Axel Simon;	Red Hat, Inc.;
4,324	10848942	2020-11-24	2020-01-08	Validating over-the-air configuration commands	Shawn David Corey; Michael Cleat Bishop, II;	T-mobile Usa, Inc.;
4,325	10835825	2020-11-17	2019-11-18	Distributed ledger tracking of event data	Nicholas J Witchey; John Wiacek; Patrick Soon-Shiong;	Nant Holdingsip, LLC;
4,326	10839015	2020-11-17	2018-02-20	Systems and methods for post-collision vehicle routing via blockchain	William J Leise; Douglas A Graff; Stacie A McCullough; Shawn M Call; Eric Bellas; Jaime Skaggs; Jacob J Alt; Eric R Moore; Vicki King;	State Farm Mutual Automobile Insurance Company;
4,327	10839070	2020-11-17	2019-10-31	Securely executing smart contract operations in a trusted execution environment	Changzheng Wei; Ying Yan; Boran Zhao; Xuyang Song; Huabing Du;	Advanced New Technologies Co., Ltd.;
4,328	10839107	2020-11-17	2020-01-30	Managing a smart contract on a blockchain	Changzheng Wei; Ying Yan;	Advanced New Technologies Co., Ltd.;
4,329	10839150	2020-11-17	2019-01-29	Generation of an industry template in blockchain networks	Kohtaroh Miyamoto; Hiroaki Nakamura; Michiharu Kudo;	International Business Machines Corporation;
4,330	10839377	2020-11-17	2020-01-27	Syncing blockchain nodes with snapshots	Eric Scrivner; Matthew Werner; Robert John Kearney;	Coinbase, Inc.;
4,331	10839379	2020-11-17	2017-07-20	Blockchain including linked digital assets	Ryan David Pierce; Ajay Sunderajan Madhavan; Stanislav Liberman;	Chicago Mercantile Exchange Inc.;
4,332	10839386	2020-11-17	2018-11-06	Stored value smart contracts on a blockchain	David John Kamalsky; Ethan Benjamin Rubinson; Sergio Pinzon Gonzales, Jr;	Ebay, Incorporated;
4,333	10839387	2020-11-17	2019-01-15	Blockchain based action and billing	Kurt Newman; Debashis Ghosh; Robert Wohlers;	Adp, Inc.;
4,334	10839395	2020-11-17	2019-07-31	Techniques for expediting processing of blockchain transactions	Jordan Simons;	Americorp Investments LLC;
4,335	10841178	2020-11-17	2018-11-26	Cognitive balancing IT ecosystems	Ronald G Gottschalk; Pritpal Arora; Dennis Anthony Perpetua, Jr;	International Business Machines Corporation;
4,336	10841213	2020-11-17	2018-10-15	Apparatus and method for communication between chains in a decentralized system	Xiaohu Chen; Xinle Yang; Zhengpeng Li; Qing Xu; Yuechao Ma; Xiannong Fu; Yang Chen;	Moac Blockchain Tech Inc.;
4,337	10841628	2020-11-17	2020-02-11	System and techniques for digital data lineage verification	Kenneth Taylor; Austin Grant Walters; Jeremy Edward Goodsitt; Fardin Abdi Taghi Abad; Reza Farivar; Vincent Pham; Anh Truong;	Capital One Services, LLC;
4,338	10838595	2020-11-17	2019-07-27	Stranded blockchain	Brandon E D'Amore; Joel P Thatcher; Gregory A Piccionelli;	
4,339	10839397	2020-11-17	2018-09-06	Method and system for contextual device authentication via blockchain	Ankur Arora; Amit Gupta; Shreya Mittal;	Mastercard International Incorporated;
4,340	10841082	2020-11-17	2016-11-23	System and method for blockchain smart contract data privacy	Adi Ben-Ari;	

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4,341	10831530	2020-11-10	2018-06-13	Secure consensus-based endorsement for self-monitoring blockchain	Angelo De Caro; Senthilnathan Natarajan; Chun Hui Suen; Emanuele Ragnoli; Yohei Ueda; Venkatraman Ramakrishna;	International Business Machines Corporation;
4,342	10831850	2020-11-10	2018-08-14	Secure URL shortening	Daby M Sow; Felix B Kwizera; Purity Mugambi;	International Business Machines Corporation;
4,343	10831924	2020-11-10	2019-10-20	Unified control of privacy-impacting devices	Kevin L Miller;	Labyrinth Research LLC;
4,344	10831925	2020-11-10	2019-10-20	Unified control of privacy-impacting devices	Kevin L Miller;	Labyrinth Research LLC;
4,345	10831933	2020-11-10	2020-02-11	Container update system	Simon J Brady; Jonas E Bryllert; John V Delaney; Barry Hollywood; Gerhard A Widmayer; Clea A Zolotow;	International Business Machines Corporation;
4,346	10832210	2020-11-10	2019-03-12	Tracking assets with a blockchain	Thomas T Hanis; Bruce H Hyre; Jessica G Snyder;	International Business Machines Corporation;
4,347	10832214	2020-11-10	2018-02-20	Systems and methods for maintaining transferability of title via blockchain	William J Leise; Douglas A Graff; Stacie A McCullough; Shawn M Call; Eric Bellas; Jaime Skaggs; Jacob J Alt; Eric R Moore; Vicki King;	State Farm Mutual Automobile Insurance Company;
4,348	10832215	2020-11-10	2019-06-12	Blockchain for program code credit and programmer contribution in a collective	James R Kozloski; Clifford A Pickover; Komminist Weldemariam;	International Business Machines Corporation;
4,349	10832217	2020-11-10	2018-06-20	Blockchain-based workflow system	Guy James Elden; Mitchel Jon Maio; James Caldwell Ford;	Adp, Inc.;
4,350	10832220	2020-11-10	2018-07-30	Methods, devices and systems for managing group membership and record verification using blockchain	Joshua Whitney; Matt Dugan; Johan Muedsam; Aarthi Reddy; Divesh Srivastava; Yaron Kanza; Jean Luo; Chih Chien Huang;	At&t Intellectual Property I, L.p.;
4,351	10832239	2020-11-10	2019-05-24	Smart contract whitelists	Ning Xia; Guilu Xie; Fuxi Deng;	Alibaba Group Holding Limited;
4,352	10832241	2020-11-10	2017-10-11	Transaction reservation for block space on a blockchain	Muhammad Tayyab Asif; Pralhad D Deshpande; Raghav Sood; Yuan Yuan;	International Business Machines Corporation;
4,353	10832247	2020-11-10	2016-09-15	Systems and methods for blockchain based payment networks	Sastry Durvasula; Andras Ferenczi; Upendra Mardikar; Keshav Narsipur; Vishnuvajhala Subrahmanyam; Sathish B Muthukrishnan;	American Express Travel Related Services Company, Inc.;
4,354	10832337	2020-11-10	2017-06-15	Systems and methods for maintaining a distributed ledger pertaining to smart contracts	Matthew L Floyd; Alvin Hon-Wai Yu; Antwuan Murphy; Brittney Benzio; Lindsi Brantley; Matthew S Delaney; Matthew Vulich; Matthew S Rodriguez; Neha Goel; Sabrina Collins; Annie Pudlo Murillo;	State Farm Mutual Automobile Insurance Company;
4,355	10832338	2020-11-10	2017-06-15	Systems and methods for building, utilizing and/or maintaining an autonomous vehicle-related event distributed ledger or blockchain	Matthew L Floyd; Alvin Hon-Wai Yu; Antwuan Murphy; Brittney Benzio; Lindsi Brantley; Matthew S Delaney; Matthew Vulich; Matthew S Rodriguez; Neha Goel; Sabrina Collins; Annie Pudlo Murillo;	State Farm Mutual Automobile Insurance Company;
4,356	10832521	2020-11-10	2019-07-01	Blockchain gaming	Praveen Jayachandran;	International Business Machines Corporation;
4,357	10833843	2020-11-10	2016-12-01	Managing blockchain access	Gunjan Vijayvergia; Steven J Schroeder;	United Services Automobile Association (usaa);
4,358	10833844	2020-11-10	2017-12-20	Blockchain lifecycle management	Hernan A Cunico; Sean Dunne; Liam S Harpur; Asima Silva;	International Business Machines Corporation;
4,359	10833845	2020-11-10	2018-08-30	Guarantee of ledger immutability	Jeronimo Irazabal; Dulce B Ponceleon;	International Business Machines Corporation;
4,360	10833846	2020-11-10	2019-12-12	Shared blockchain data storage based on error correction coding in trusted execution environments	Haizhen Zhuo;	Alibaba Group Holding Limited;

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4,361	10833848	2020-11-10	2020-06-30	Shared blockchain data storage based on error correction coding in trusted execution environments	Haizhen Zhuo;	Alibaba Group Holding Limited;
4,362	10833861	2020-11-10	2017-11-28	Protection of confidentiality, privacy and ownership assurance in a blockchain based decentralized identity management system	Suresh Chari; Hasini Gunasinghe; Hugo M Krawczyk; Ashish Kundu; Kapil Kumar Singh; Dong Su;	International Business Machines Corporation;
4,363	10833864	2020-11-10	2018-04-13	Gaming concensus protocol for blockchain	Diego A Masini;	International Business Machines Corporation;
4,364	10833865	2020-11-10	2018-04-30	Blockchain-based method and system for immutable resource allocation in a cloud computing environment	John Kelly;	Dell Products Inc.;
4,365	10833875	2020-11-10	2020-05-18	Methods and devices for processing certificates in blockchain system	Long Cheng; Yanpeng Li;	Advanced New Technologies Co., Ltd.;
4,366	10833960	2020-11-10	2019-09-04	SLA management in composite cloud solutions using blockchain	Rohit Ranchal; Olivia Choudhury; Amarendra Das; Senthil Bakthavachalam;	International Business Machines Corporation;
4,367	10834062	2020-11-10	2018-06-20	Unlinking ownership of successive asset transfers on a blockchain	Elli Androulaki; Angelo De Caro; Jens Jelitto; Ilie Circiumaru;	International Business Machines Corporation;
4,368	10834122	2020-11-10	2018-09-05	Prevention of majority attacks	Ching-Yun Chao; Yi-Hsiu Wei; David Y Chang;	International Business Machines Corporation;
4,369	10834238	2020-11-10	2016-08-15	Blockchain management using a device in a wireless telecommunication system	Luke Anthony Hinds;	Red Hat, Inc.;
4,370	10831764	2020-11-10	2017-12-02	Query processing and access control in a blockchain network	Vijay Kumar Ananthapur Bache; Jhilam Bera; Vijay Ekambaram; Padmanabha Venkatagiri Seshadri;	International Business Machines Corporation;
4,371	10824419	2020-11-03	2020-03-30	Function-as-a-service (FaaS) platform in blockchain networks	Kailai Shao; Xuming Lu;	Alibaba Group Holding Limited;
4,372	10824485	2020-11-03	2019-07-19	Methods and devices for broadcasting messages	Ning Li;	Alibaba Group Holding Limited;
4,373	10824601	2020-11-03	2019-12-12	Shared blockchain data storage based on error correction code	Haizhen Zhuo;	Alibaba Group Holding Limited;
4,374	10824701	2020-11-03	2020-04-10	System and method for mapping decentralized identifiers to real-world entities	Yuan Chen; Renhui Yang; Yuqi Lin; Jiawei Liu;	Advanced New Technologies Co., Ltd.;
4,375	10824740	2020-11-03	2018-07-30	Decentralized policy publish and query system for multi-cloud computing environment	Pengfei Wu; Stephen J Todd; Kun Wang;	Emc IP Holding Company LLC;
4,376	10824744	2020-11-03	2018-02-08	Secure client-server communication	Kaustubh Inamdar; Gonzalo Salgueiro; Sebastian Jeuk;	Cisco Technology, Inc.;
4,377	10824746	2020-11-03	2018-01-22	Systems and methods for controlled access to blockchain data	Melinda Teresa Magerkurth; Eric Bellas; Jaime Skaggs; Shawn M Call; Eric R Moore; Vicki King; Burton J Floyd; David Turrentine; Steven T Olson; Timothy Caleb Wells; Corin Rebekah Chapman; Edward W Breitweiser; Robert Gomez; Shelia Cummings Smith;	State Farm Mutual Automobile Insurance Company;
4,378	10824747	2020-11-03	2018-01-22	Systems and methods for controlled access to policy data on blockchain	Melinda Teresa Magerkurth; Eric Bellas; Jaime Skaggs; Shawn M Call; Eric R Moore; Vicki King; Burton J Floyd; David Turrentine; Steven T Olson; Timothy Caleb Wells; Corin Rebekah Chapman; Edward W Breitweiser; Robert Gomez; Shelia Cummings Smith;	State Farm Mutual Automobile Insurance Company;
4,379	10824759	2020-11-03	2018-01-22	Systems and methods for verifying agent sales data via blockchain	Melinda Teresa Magerkurth; Eric Bellas; Jaime Skaggs; Shawn M Call; Eric R Moore; Vicki King; Burton J Floyd; David Turrentine; Steven T Olson; Timothy Caleb Wells; Corin Rebekah Chapman; Edward W Breitweiser; Robert Gomez; Shelia Cummings Smith;	State Farm Mutual Automobile Insurance Company;
4,380	10824762	2020-11-03	2018-09-27	Registering published documents in a blockchain	Kelce S Wilson;	

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4,381	10824763	2020-11-03	2019-12-13	Integrity of communications between blockchain networks and external data sources	Yirong Yu;	Alibaba Group Holding Limited;
4,382	10824977	2020-11-03	2018-09-21	Systems and/or methods for securing and automating process management systems using distributed sensors and distributed ledger of digital transactions	Vijay Anand Chidambaram; Rajesh Kumar Radhakrishnan Varadhan; Balaji Thilagar; Vijayanand Ravivarman;	Software Ag, Inc.;
4,383	10824988	2020-11-03	2018-08-30	Automated inventory management including blockchain smart contracting	Jamal Mohiuddin Mohammad;	Ncr Corporation;
4,384	10825275	2020-11-03	2018-12-19	Blockchain-controlled and location-validated locking systems and methods	Ranjeev K Singh;	
4,385	10826683	2020-11-03	2020-03-09	Consensus-based voting for network member identification employing blockchain-based identity signature mechanisms	Joseph R Mazzarella;	Mutualink, Inc.;
4,386	10826684	2020-11-03	2020-06-04	System and method of validating Internet of Things (IOT) devices	Craig Winter; Monique Jeanne Morrow;	Syniverse Technologies, LLC;
4,387	10826695	2020-11-03	2019-06-28	Blockchain-based social media history maps	Timothy Innes; Bhumit Patel; James Pratt; Eric Zavesky; Nigel Bradley;	At&t Intellectual Property I, L.p.;
4,388	10826704	2020-11-03	2018-08-31	Blockchain key storage on SIM devices	Paul Michael Burke; Warner Lee Hines; Giorgio A Curatolo;	Hewlett Packard Enterprise Development LP;
4,389	10826705	2020-11-03	2018-12-13	Compact state database system	Chun Hui Suen; Yu Chin Fabian Lim;	International Business Machines Corporation;
4,390	10826709	2020-11-03	2019-12-13	Shared blockchain data storage	Haizhen Zhuo;	Advanced New Technologies Co., Ltd.;
4,391	10826888	2020-11-03	2017-10-12	Method for providing certificate service based on smart contract and server using the same	Joo Han Song; Jay Wu Hong; Joon Sun Uhr;	Coinplug, Inc.;
4,392	10826945	2020-11-03	2020-05-27	Apparatuses, methods and systems of network connectivity management for secure access	Huiyue Xu; Deliang Qian; Sreenivasa Ganji;	Syniverse Technologies, LLC;
4,393	10826681	2020-11-03	2018-03-26	Blockchain node initialization	Richard Alan Dayan;	Open Invention Network LLC;
4,394	10826685	2020-11-03	2016-06-28	Combined blockchain integrity	Matthew John Campagna;	Amazon Technologies, Inc.;
4,395	10817330	2020-10-27	2020-05-27	Service processing method and apparatus	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
4,396	10817829	2020-10-27	2018-02-23	Blockchain-based supply chain smart recall	William P Jacobson; John C Checco;	Bank of America Corporation;
4,397	10817852	2020-10-27	2018-01-12	System for executing, securing, and non-repudiation of pooled conditional smart contracts over distributed blockchain network	Prabakar Rangarajan; Awadhesh Pratap Singh;	Bank of America Corporation;
4,398	10817872	2020-10-27	2019-11-27	Event processing method, apparatus and electronic device based on blockchain technology	Li Lin;	Advanced New Technologies Co., Ltd.;
4,399	10817912	2020-10-27	2018-12-04	Identification of targets for a campaign by referencing a blockchain and/or a distributed system file system	Adam Vukich; Abdelkadar M'Hamed Benkreira; Joshua Edwards; William Carroll; Mykhaylo Bulgakov;	Capital One Services, LLC;
4,400	10817967	2020-10-27	2017-10-30	Method for controlling the identity of a user by means of a blockchain	Herve Chabanne; Thomas Chenevier; Laurent Lambert; Olivier Clemot;	Idemia Identity & Security France;

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4,401	10818121	2020-10-27	2018-08-22	Electronic voting system and control method	Yuji Unagami; Junichiro Soeda; Akira Tanaka;	Panasonic Intellectual Property Corporation of America;
4,402	10818122	2020-10-27	2018-08-29	Electronic voting system and control method	Yuji Unagami; Akira Tanaka; Junichiro Soeda;	Panasonic Intellectual Property Corporation of America;
4,403	10819501	2020-10-27	2017-12-28	Validating one or more blockchains without ledger limitations	Tom Funk;	Centurylink Intellectual Property LLC;
4,404	10819503	2020-10-27	2018-07-03	Strengthening non-repudiation of blockchain transactions	Karthik Nandakumar; Nalini K Ratha; Sharathchandra Pankanti;	International Business Machines Corporation;
4,405	10819504	2020-10-27	2020-04-22	System and method for digital asset transfer	Rubing Shi; Wenlong Yang;	Alibaba Group Holding Limited;
4,406	10819505	2020-10-27	2020-05-18	System and method for information protection	Baoli Ma; Wenbin Zhang; Lichun Li; Zheng Liu; Shan Yin;	Advanced New Technologies Co., Ltd.;
4,407	10819509	2020-10-27	2019-04-22	Asymmetric key management in consortium blockchain networks	Yixiang Zhang; Shubo Li;	Alibaba Group Holding Limited;
4,408	10819523	2020-10-27	2018-08-30	Guarantee of ledger immutability	Jeronimo Irazabal; Dulce B Ponceleon;	International Business Machines Corporation;
4,409	10819684	2020-10-27	2017-11-24	Cognitive blockchain for internet of things	Igor Ramos; Ana Biazetti;	International Business Machines Corporation;
4,410	10819722	2020-10-27	2018-03-21	Blockchain for securing distributed IIoT or edge device data at rest	Chandirasekaran Dhakshinamoorthy; Basavaraju Vasamurthy; Rod Stein;	Honeywell International Inc.;
4,411	10809992	2020-10-20	2019-04-26	Method and apparatus for continuous delivery of permissioned blockchain application	Yuki Kondo;	Hitachi, Ltd.;
4,412	10810001	2020-10-20	2018-12-18	Device-driven auto-recovery using multiple recovery sources	Ned M Smith; Zheng Zhang; Thiago J Macieira;	Mcafee, Inc.;
4,413	10810004	2020-10-20	2017-12-01	System and method for managing a public software component ecosystem using a distributed ledger	Duncan Mills;	Oracle International Corporation;
4,414	10810167	2020-10-20	2018-07-31	Activity verification using a distributed database	Satayan Mahajan;	A9.com, Inc.;
4,415	10810183	2020-10-20	2019-02-19	Systems and methods for synchronizing database operations with a distributed blockchain	Stephan Cunningham; Cameron Thacker; John Linden;	Mythical, Inc.;
4,416	10810290	2020-10-20	2017-03-05	Robust method and an apparatus for authenticating a client in non-face-to-face online interactions based on a combination of live biometrics, biographical data, blockchain transactions and signed digital certificates	Ronald H Minter; Pasteur Ntake; Rama Mwikalo;	
4,417	10810586	2020-10-20	2018-09-13	Currency information processor and currency information processing system	Masaru Imoto;	Standard Transaction Co., Ltd.;
4,418	10811124	2020-10-20	2019-07-22	Device-driven non-intermediated blockchain system over a social integrity network	Shahid N Shah;	Netspective Communications LLC;
4,419	10812254	2020-10-20	2018-07-30	Identity confidence score based on blockchain based attributes	Suresh N Chari; Ashish Kundu; Sridhar Muppidi;	International Business Machines Corporation;
4,420	10812255	2020-10-20	2019-09-30	Software interface for smart contracts	Yanpeng Li;	Alibaba Group Holding Limited;

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4,421	10812270	2020-10-20	2018-04-06	Techniques for increasing the probability that a transaction will be included in a target block of a blockchain	Benjamin Mark Roberts; Brett David Bergmann;	Citizen Hex Inc.;
4,422	10812455	2020-10-20	2020-01-08	System and method for general data protection regulation (GDPR) compliant hashing in blockchain ledgers	Guido Reissner; Monique Jeanne Morrow;	Syniverse Technologies, LLC;
4,423	10812975	2020-10-20	2019-09-18	Methods and systems for blockchain smart contract in Hotspot 2.0 network for user authentication while roaming	Ananth Narayanan Easwar Prasad; Fazlur Rahman Sit Mohamed Ali; Subbulakshmi Kallidaikurichi Viswesvaran;	Hewlett Packard Enterprise Development LP;
4,424	10811771	2020-10-20	2019-09-12	Blockchain cellular system	Bao Tran; Ha Tran;	
4,425	10812490	2020-10-20	2019-06-05	Permissions using blockchain	Ashish Sardesai; Dante J Pacella; Sonit Mahey;	Verizon Patent and Licensing Inc.;
4,426	10803022	2020-10-13	2018-09-10	Systems and methods of providing immutable records	Taulant Ramabaja;	Uledger, Inc.;
4,427	10803052	2020-10-13	2019-04-22	Facilitating practical byzantine fault tolerance blockchain consensus and node synchronization	Dayi Yang;	Alibaba Group Holding Limited;
4,428	10803160	2020-10-13	2019-05-07	Method to verify and identify blockchain with user question data	Kevin Alan Tussy;	Facetec, Inc.;
4,429	10803454	2020-10-13	2019-05-01	ATM network resource exchange system	Rebecca Stepp Morgan; Shawn Cart Gunsolley; Chad Ryan Compton; Eric Dryer;	Bank of America Corporation;
4,430	10805067	2020-10-13	2017-04-26	Doubly linked blockchain	Phillip H Griffin; Jeffrey J Stapleton;	Wells Fargo Bank, N.a.;
4,431	10805068	2020-10-13	2018-02-20	Systems and methods for feature-based rating via blockchain	William J Leise; Douglas A Graff; Stacie A McCullough; Shawn M Call; Eric Bellas; Jaime Skaggs; Jacob J Alt; Eric R Moore; Vicki King;	State Farm Mutual Automobile Insurance Company;
4,432	10805069	2020-10-13	2019-11-12	Multi-layer ledgers for multi-party secure data governance	Susanto Junaidi Irwan; Bao Q Ngo; Alexander Michael Valderrama; Tianyu Zhao; Tu Pham;	Xage Security, Inc.;
4,433	10805088	2020-10-13	2019-04-03	Cross-blockchain authentication method, apparatus, and electronic device	Honglin Qiu;	Alibaba Group Holding Limited;
4,434	10805089	2020-10-13	2019-09-30	Retrieving public data for blockchain networks using highly available trusted execution environments	Yirong Yu;	Alibaba Group Holding Limited;
4,435	10805090	2020-10-13	2018-03-23	Address whitelisting using public/private keys and ring signature	Andrew Poelstra; Glenn Willen; Gregory Maxwell; Gregory Sanders; Jonas Nick; Matt Corollo;	Blockstream Corporation;
4,436	10805094	2020-10-13	2018-10-08	Blockchain timestamp agreement	Sachiko Yoshihama; Tatsushi Inagaki; Yohei Ueda; Kohichi Kamijoh; Hiroaki Nakamura;	International Business Machines Corporation;
4,437	10803205	2020-10-13	2019-12-13	Retrieving public data for blockchain networks using trusted execution environments	Yirong Yu; Honglin Qiu;	Alibaba Group Holding Limited;
4,438	10805085	2020-10-13	2017-08-24	PKI-based user authentication for web services using blockchain	Minya Liang;	United Services Automobile Association (usaa);
4,439	10795644	2020-10-06	2019-01-08	Decentralized random number generator	Xiaohu Chen;	
4,440	10795857	2020-10-06	2018-09-19	Blockchain system and method thereof	Chia-Hui Lin;	Industrial Technology Research Institute;

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4,441	10795882	2020-10-06	2020-02-10	Blockchain-based data compression and searching	Long Cheng; Yanpeng Li; Boyan Jia;	Alibaba Group Holding Limited;
4,442	10795977	2020-10-06	2018-01-08	Digital asset traceability and assurance using a distributed ledger	Roberto Salomon;	Oracle International Corporation;
4,443	10796000	2020-10-06	2016-06-11	Blockchain system with nucleobase sequencing as proof of work	Ned M Smith; Rajesh Poornachandran;	Intel Corporation;
4,444	10796022	2020-10-06	2018-05-16	Weighted source data secured on blockchains	Fausto Dassenno;	Ebay, Incorporated;
4,445	10796024	2020-10-06	2019-07-16	Cryptographic ASIC for derivative key hierarchy	Edward L Rodriguez De Castro;	Blockchain Asics LLC;
4,446	10796329	2020-10-06	2016-11-29	Method and system for authentication of coupons via blockchain	Ankur Arora;	Mastercard International Incorporated;
4,447	10796371	2020-10-06	2017-06-15	Systems and methods for maintaining a distributed ledger of transactions pertaining to an autonomous vehicle	Matthew L Floyd; Alvin Hon-Wai Yu; Antwuan Murphy; Brittney Benzio; Lindsi Brantley; Matthew S Delaney; Matthew Vulich; Matthew S Rodriguez; Neha Goel; Sabrina Collins; Annie Pudlo Murillo;	State Farm Mutual Automobile Insurance Company;
4,448	10797860	2020-10-06	2017-12-18	Blockchain based cold email delivery	Stewart MacGregor Dennis;	Turing Technology, Inc.;
4,449	10797865	2020-10-06	2019-12-18	Key data processing method and apparatus, and server	Hao Wu;	Alibaba Group Holding Limited;
4,450	10797886	2020-10-06	2019-09-27	Blockchain consensus method and device	Hao Wu;	Alibaba Group Holding Limited;
4,451	10798065	2020-10-06	2018-06-04	Randomized bilateral trust (RABiT): trust building connectivity for cyber space	Gideon Samid;	
4,452	10798094	2020-10-06	2020-02-27	Blockchain-based account management	Yawen Wei;	Alibaba Group Holding Limited;
4,453	10797887	2020-10-06	2020-03-06	Confidential blockchain transactions	Wenbin Zhang;	Alibaba Group Holding Limited;
4,454	10786741	2020-09-29	2019-12-11	Systems and methods for transfer of rights pertaining to game assets between users of an online gaming platform	Stephan Cunningham; John Linden;	Mythical, Inc.;
4,455	10789092	2020-09-29	2019-12-20	System and method for registering subscribable sub-states in blockchain	Rubing Shi; Yayang Guan;	Alibaba Group Holding Limited;
4,456	10789222	2020-09-29	2020-02-13	Blockchain-based hierarchical data storage	Zhonghao Lu; Benquan Yu; Haizhen Zhuo;	Alibaba Group Holding Limited;
4,457	10789244	2020-09-29	2020-06-22	Asset management system, method, apparatus, and electronic device	Xuebing Yan;	Alibaba Group Holding Limited;
4,458	10789270	2020-09-29	2018-07-12	Blockchain based data processing method and device	Hao Wu;	Alibaba Group Holding Limited;
4,459	10789339	2020-09-29	2019-12-13	Copyright protection based on hidden copyright information	Zhiguo Li;	Alibaba Group Holding Limited;
4,460	10789348	2020-09-29	2019-12-20	Login information data processing	Hao Li;	Alibaba Group Holding Limited;

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4,461	10789356	2020-09-29	2019-06-05	Method, apparatus, and system for service data processing and verification	Yi Li;	Alibaba Group Holding Limited;
4,462	10789376	2020-09-29	2020-02-28	Blockchain authorization	Wenyuan Yan; Xinying Yang; Yuan Zhang; Yize Li; Benquan Yu;	Alibaba Group Holding Limited;
4,463	10789590	2020-09-29	2018-12-07	Blockchain	Bao Tran; Ha Tran;	
4,464	10789597	2020-09-29	2017-09-21	Systems and methods for using a distributed ledger for data handling	Per W Brashers;	R-stor Inc.;
4,465	10789598	2020-09-29	2019-05-29	Blockchain transaction reconciliation method and apparatus, and electronic device	Danqing Hu; Sen Lin; Junliang Zhang;	Alibaba Group Holding Limited;
4,466	10789628	2020-09-29	2020-02-05	Blockchain-based bill number allocation method, apparatus and electronic device	Longsheng Qing; Zhen Sun; Xueqing Yang; Ge Jin; Zhenzhong Meng; Yu Chu;	Alibaba Group Holding Limited;
4,467	10789644	2020-09-29	2019-12-19	Data auditing method and device	Pengfei Ying;	Alibaba Group Holding Limited;
4,468	10790963	2020-09-29	2016-11-08	Blockchain generation apparatus, blockchain generation method, blockchain verification apparatus, blockchain verification method, and program	Hiroki Watanabe; Akihito Akutsu; Yasuhiko Miyazaki; Atsushi Nakadaira; Shigeru Fujimura; Junichi Kishigami;	Nippon Telegraph and Telephone Corporation;
4,469	10790964	2020-09-29	2017-11-17	Peer voting on a blockchain	Anuj Chopra; Zhou Yinsheng; Yuan Yuan; Wenbin Zhang;	International Business Machines Corporation;
4,470	10790966	2020-09-29	2019-10-18	Physical item mapping to blockchain framework	Max Adel Rady;	
4,471	10790973	2020-09-29	2020-02-27	Blockchain authorization information generation	Yixiang Zhang; Jun Gu;	Alibaba Group Holding Limited;
4,472	10790976	2020-09-29	2018-08-01	System and method of blockchain wallet recovery	Alexey Raevsky; Max Lyadvinsky;	Bloomio Ag;
4,473	10790981	2020-09-29	2019-10-22	Method and apparatus for verifying block data in a blockchain	Honglin Qiu;	Alibaba Group Holding Limited;
4,474	10790988	2020-09-29	2019-12-13	Managing blockchain-based centralized ledger systems	Yize Li; Benquan Yu; Xinying Yang; Wenyuan Yan; Yuan Zhang;	Alibaba Group Holding Limited;
4,475	10791107	2020-09-29	2020-02-26	Performing a change of primary node in a distributed system	Peng Lin;	Alibaba Group Holding Limited;
4,476	10791122	2020-09-29	2020-02-27	Blockchain user account data	Xinying Yang;	Alibaba Group Holding Limited;
4,477	10791143	2020-09-29	2019-12-13	Anti-replay device based on memory space interchange	Hong Lv;	Alibaba Group Holding Limited;
4,478	10788229	2020-09-29	2017-05-10	Building management system with a distributed blockchain database	Sudhi R Sinha; Youngchoon Park; Sajjad Pourmohammad;	Johnson Controls Technology Company;
4,479	10790987	2020-09-29	2019-05-24	Blockchain data protection based on generic account model and homomorphic encryption	Wenbin Zhang; Baoli Ma; Huanyu Ma;	Alibaba Group Holding Limited;
4,480	10782998	2020-09-22	2020-02-02	Blockchain-based transaction processing method and apparatus	Honglin Qiu;	Alibaba Group Holding Limited;

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4,481	10783128	2020-09-22	2017-07-13	Rule based data processing	Guo Qiang Li; June-Ray Lin; Chih-Hsiung Liu; Hao-Ting Shih;	International Business Machines Corporation;
4,482	10783164	2020-09-22	2018-05-18	Import and export in blockchain environments	Paul Snow;	Factom, Inc.;
4,483	10783190	2020-09-22	2019-06-26	Blockchain-based smart contract invocation method and apparatus, and electronic device	Honglin Qiu;	Alibaba Group Holding Limited;
4,484	10783260	2020-09-22	2019-08-20	Method for providing simplified account registration service and user authentication service, and authentication server using same	Joon Sun Uhr; Jay Wu Hong; Sang Hoon Hyun; Ju Min Lee;	Coinplug, Inc.;
4,485	10783272	2020-09-22	2017-12-08	Method and system of preserving privacy for usage of lightweight blockchain clients	Sinisa Matetic; Ghassan Karame; Srdjan Capkun;	Nec Corporation;
4,486	10783421	2020-09-22	2019-08-29	System and apparatus for encrypted data collection using RFID cards	Kevin Osborn; James Zarakas; Saleem Sangi; Jeffrey Rule;	Capital One Services, LLC;
4,487	10783539	2020-09-22	2019-04-27	Incentive-based crowdvoting using a blockchain	Brandon Z Frank; Joseph A Latone;	International Business Machines Corporation;
4,488	10783545	2020-09-22	2018-04-19	Reward point redemption for cryptocurrency	Vasudevan Swamidurai;	American Express Travel Related Services Company, Inc.;
4,489	10783589	2020-09-22	2018-11-03	Detection of abnormal estimates	Kohtaroh Miyamoto; Kohichi Kamijoh;	International Business Machines Corporation;
4,490	10783590	2020-09-22	2019-12-13	Mutual aid network based on smart contract and blockchain	Fan Zhou;	Alibaba Group Holding Limited;
4,491	10783597	2020-09-22	2019-12-13	Blockchain-based judgment execution	Zhiguo Li;	Alibaba Group Holding Limited;
4,492	10783600	2020-09-22	2017-05-25	Method and system using a blockchain database for data exchange between vehicles and entities	Christopher L Zachary;	Gm Global Technology Operations LLC;
4,493	10783733	2020-09-22	2018-07-03	Electronic voting system and control method	Yuji Unagami; Junichiro Soeda;	Panasonic Intellectual Property Corporation of America;
4,494	10785033	2020-09-22	2015-09-04	Method for storing an object on a plurality of storage nodes	Ghassan Karame;	Nec Corporation;
4,495	10785035	2020-09-22	2019-10-30	Anti-replay attack authentication protocol	Hong Lv;	Alibaba Group Holding Limited;
4,496	10785039	2020-09-22	2020-01-07	Blockchain consensus method and device	Hao Wu;	Alibaba Group Holding Limited;
4,497	10785045	2020-09-22	2018-01-03	Socially enabled consensus blockchain summarization	Liam S Harpur; Jonathan Dunne; Kelley Anders; Jeremy R Fox;	International Business Machines Corporation;
4,498	10785167	2020-09-22	2016-07-26	Method for controlling access to a shared resource	Ghassan Karame; Damian Gruber; Hubert Ritzdorf; Srdjan Capkun;	Nec Corporation;
4,499	10785168	2020-09-22	2020-02-06	Allocating virtual resource based on block chain	Tao Zou;	Alibaba Group Holding Limited;
4,500	10785231	2020-09-22	2019-03-19	Enhancing processing efficiency of blockchain technologies using parallel service data processing	Shifeng Wang;	Alibaba Group Holding Limited;

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4,501	10785232	2020-09-22	2019-12-23	Method, apparatus, system, and electronic device for cross-blockchain interaction	Honglin Qiu; Huabing Du;	Alibaba Group Holding Limited;
4,502	10785233	2020-09-22	2020-04-27	System and method for registering subscribable states in blockchain	Yayang Guan; Rubing Shi;	Alibaba Group Holding Limited;
4,503	10773381	2020-09-15	2017-11-30	Secure distributed system using blockchain for self-policing of autonomous agents	Syed Mohammad Amir Husain; Syed Mohammad Ali; Taylor Schmidt;	Skygrid, LLC;
4,504	10776348	2020-09-15	2019-06-26	Blockchain-based smart contract invocation method and apparatus, and electronic device	Honglin Qiu;	Alibaba Group Holding Limited;
4,505	10776586	2020-09-15	2018-01-10	Machine learning to integrate knowledge and augment natural language processing	David Bacarella; James H Barnebee, IV; Nicholas Lawrence; Sumit Patel;	International Business Machines Corporation;
4,506	10776879	2020-09-15	2017-12-11	Blockchain controlled multi-carrier auction system for usage-based auto insurance	Matthew L Floyd;	State Farm Mutual Automobile Insurance Company;
4,507	10778426	2020-09-15	2018-03-29	Validation of sensor data using a blockchain	Kfir Wolfson; Assaf Natanzon; Jehuda Shemer;	Emc IP Holding Company LLC;
4,508	10778427	2020-09-15	2020-01-24	Method and apparatus for encrypting and decrypting product information	Husen Wang;	Alibaba Group Holding Limited;
4,509	10778438	2020-09-15	2020-01-14	System and method for controlling restrictions on digital asset	Rubing Shi; Wenlong Yang;	Alibaba Group Holding Limited;
4,510	10778442	2020-09-15	2019-07-22	Container-based operating system and method	Simon J Brady; Jonas E Bryllert; John V Delaney; Barry Hollywood; Clea A Zolotow;	International Business Machines Corporation;
4,511	10778445	2020-09-15	2019-12-13	Processing data elements stored in blockchain networks	Zhiyuan Feng; Yanpeng Li; Long Cheng;	Alibaba Group Holding Limited;
4,512	10778452	2020-09-15	2020-02-27	Blockchain ledger authentication	Xinying Yang; Yuan Zhang; Benquan Yu; Yize Li;	Alibaba Group Holding Limited;
4,513	10778603	2020-09-15	2018-10-11	Systems and methods for controlling access to broker resources	Modesto Tabares;	Citrix Systems, Inc.;
4,514	10769135	2020-09-08	2019-12-12	Blockchain data storage based on shared nodes and error correction code	Haizhen Zhuo;	Alibaba Group Holding Limited;
4,515	10769292	2020-09-08	2018-03-29	Hierarchical temporal memory for expendable access control	Joshua Daniel; Xiaofeng Du; Gery Ducatel;	British Telecommunications Public Limited Company;
4,516	10769629	2020-09-08	2018-06-29	Method and system for linkage of blockchain-based assets to fiat currency accounts	Steven Charles Davis;	Mastercard International Incorporated;
4,517	10771239	2020-09-08	2018-04-18	Biometric threat intelligence processing for blockchains	Karthik Nandakumar; Nalini K Ratha; Sharathchandra Pankanti;	International Business Machines Corporation;
4,518	10771240	2020-09-08	2019-06-11	Dynamic blockchain system and method for providing efficient and secure distributed data access, data storage and data transport	James A Carson; Ryuta Richard Makino; Susan H Glenn-Joseph;	Dynamic Blockchains Inc;
4,519	10771242	2020-09-08	2020-02-28	Blockchain-based data processing	Haibin Wang; Xiaotian Wang; Fan Zhou;	Alibaba Group Holding Limited;
4,520	10771259	2020-09-08	2020-02-25	Achieving consensus among network nodes in a distributed system	Peng Lin;	Alibaba Group Holding Limited;

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4,521	10771384	2020-09-08	2018-08-17	Routing based blockchain	Tyson Trautmann; Andrew Burnell;	
4,522	10771421	2020-09-08	2017-03-31	Systems and methods for fair information exchange using publish-subscribe with blockchain	Ned M Smith; Michael Nolan; Davide Carboni;	Intel Corporation;
4,523	10771449	2020-09-08	2017-12-04	Method and system for trustworthiness using digital certificates	Ankur Arora; Manish Kumar; Shuvam Sengupta;	Mastercard International Incorporated;
4,524	10771459	2020-09-08	2018-08-30	Terminal apparatus, server apparatus, blockchain and method for FIDO universal authentication using the same	Seok-Hyun Kim; Sang-Rae Cho; Young-Seob Cho; Se-Young Huh; Soo-Hyung Kim; Seung-Hyun Kim; Young-Sam Kim; Jong-Hyouk Noh; Jin-Man Cho; Seung-Hun Jin; Jung-Yeon Hwang;	Electronics and Telecommunications Research Institute;
4,525	10771639	2020-09-08	2019-04-24	Image forming system, image forming apparatus, and image forming method that allows to pull print without server	Naohiko Kosaka;	Kyocera Document Solutions Inc.;
4,526	10769869	2020-09-08	2018-06-27	Self-driving vehicle integrity management on a blockchain	Warren Grunbok, II; Jeb R Linton;	International Business Machines Corporation;
4,527	10761877	2020-09-01	2018-01-30	Apparatuses, methods, and systems for blockchain transaction acceleration	Simon N Peffers; Sean M Gulley;	Intel Corporation;
4,528	10761948	2020-09-01	2020-01-29	Method, apparatus, and electronic device for restoring state data of blockchain	Haizhen Zhuo; Benquan Yu; Zhonghao Lu;	Alibaba Group Holding Limited;
4,529	10762056	2020-09-01	2019-09-27	Blockchain-based data processing method and device	Honglin Qiu;	Alibaba Group Holding Limited;
4,530	10762079	2020-09-01	2018-09-25	System and method for managing a blockchain cloud service	Pierce Shi; Jared Li; Shi Xiang Zhou; Weiguo Zhu; Sheng Zhu; Shun Li; Jim Jin; Todd Little;	Oracle International Corporation;
4,531	10762217	2020-09-01	2018-06-13	Systems and methods for creating multiple records based on an ordered smart contract	Ajith Thekadath; Timothy P Tidwell; Venkata Javaji; Mondo Jacobs;	Visa International Service Association;
4,532	10762228	2020-09-01	2020-02-11	Transaction scheduling method and apparatus	Qi Liu; Ying Yan;	Alibaba Group Holding Limited;
4,533	10762311	2020-09-01	2019-01-29	Method for RFID tag authentication	Stefan Lemsitzer; Marc Vauclair;	Nxp B.v.;
4,534	10762478	2020-09-01	2017-08-04	Creating and managing private electronic currency	Joon Maeng;	Wells Fargo Bank, N.a.;
4,535	10762479	2020-09-01	2018-03-30	Method and system for processing blockchain-based real-time transaction	Nyun Soo Hyun; Sang Hyeon Kim; Jeong Ho Kim; Kyung Jin Kim; Dae Hyun Park;	Samsung Sds Co., Ltd.;
4,536	10762506	2020-09-01	2017-05-11	Token device for distributed ledger based interchange	Duane Cash; Alexander B Nagelberg; Hudson R Jameson;	United Services Automobile Association;
4,537	10762564	2020-09-01	2016-11-10	Autonomous peer-to-peer energy networks operating on a blockchain	Sampath Dechu; Ramachandra Kota; Pratyush Kumar;	International Business Machines Corporation;
4,538	10762927	2020-09-01	2018-08-28	Method to log audio in a distributed, immutable transaction log for end-to-end verification and auditing	Yunhai Yang; Thomas J Senese; George R Economy;	Motorola Solutions, Inc.;
4,539	10764031	2020-09-01	2017-12-07	Blockchain system for pattern recognition	Gregg Arquero; Steven Burchfield; Syed F Hossain; Joshua Schaeffer;	International Business Machines Corporation;
4,540	10764032	2020-09-01	2020-01-14	System and method for managing user interactions with a blockchain	Shifeng Wang;	Alibaba Group Holding Limited;

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4,541	10764034	2020-09-01	2020-02-24	Method and system for facilitating data transfer between blockchains	Thomas Thompson;	North Peak Resources Ltd.;
4,542	10764062	2020-09-01	2020-02-28	Blockchain ledger compression	Xinying Yang;	Alibaba Group Holding Limited;
4,543	10764070	2020-09-01	2018-08-30	High precision timestamps in blockchain	Eric Kass;	International Business Machines Corporation;
4,544	10764142	2020-09-01	2017-11-16	Clustered application management with a blockchain	Ryan Bertsche; Robert J Brenneman; Philip F Chan; Helen C Fischer; David Gross; Dulce Smith;	International Business Machines Corporation;
4,545	10764160	2020-09-01	2018-04-24	System, method, and computer program for utilizing an open and global/private blockchain system for virtual network function (VNF) certification and consumption processes	Eyal Binyamin Shtrauch; Nagina Eliav; Hanoch Sapoznikov; Vladimir Tkach;	Amdocs Development Limited;
4,546	10764258	2020-09-01	2018-06-29	Blockchain infrastructure for securing and/or managing electronic artifacts	Paul Harry Gleichauf;	Arm IP Limited;
4,547	10764259	2020-09-01	2017-06-29	Transaction processing for consortium blockchain network	Mark Russinovich; Manuel Costa; Matthew Kerner; Thomas Moscibroda;	Microsoft Technology Licensing, LLC;
4,548	10764325	2020-09-01	2018-03-30	Method for adjusting mining difficulty of a cryptocurrency blockchain system by monitoring malicious forks and implementing a miners blockchain	Rahul Suraparaju;	Konica Minolta Laboratory U.s.a., Inc.;
4,549	10751628	2020-08-25	2018-07-31	Market-based gaming platform	Assaf Packin; Robin Shapiro;	
4,550	10754716	2020-08-25	2020-04-13	System and method for blockchain-based notification	Rubing Shi; Yayang Guan;	Alibaba Group Holding Limited;
4,551	10754847	2020-08-25	2018-06-19	Method, apparatus and system for production management	Patrick R Esposito, II; Matthew J Milan; Jon HC Tirmandi; Mark T Wise; Zenovy S Wowczuk;	Cannagri Blockchain, Inc.;
4,552	10754848	2020-08-25	2018-08-14	Method for registration of data in a blockchain database and a method for verifying data	Pawel Zygmunt Aleksander; Marcin Jozef Rabenda; Pawel Kuskowski; Jakub Fijolek;	Coinfirm Blockchain Lab Sp. Z O.o.;
4,553	10754961	2020-08-25	2018-11-26	Data processing apparatus and data processing method for internet of things system	Yu-Cheng Hsiao; Ying-Hsun Lai;	Institute for Information Industry;
4,554	10754989	2020-08-25	2018-03-27	Runtime self-correction for blockchain ledgers	Salman Abdul Baset; Donna N Dillenberger; Petr Novotny; Qi Zhang;	International Business Machines Corporation;
4,555	10755226	2020-08-25	2017-02-24	Information management system using blockchain functionalities	Adam Robyak; Bertrand Sirodot; Brandon Kaier;	Emc IP Holding Company LLC;
4,556	10755230	2020-08-25	2018-05-18	Process and condition recording and validation using a blockchain	Peter A Mehring; Scott A Durgin; Thomas C Reese;	Zest Labs, Inc.;
4,557	10755252	2020-08-25	2019-12-13	Identifying copyrighted material using embedded copyright information	Zhiguo Li;	Alibaba Group Holding Limited;
4,558	10755276	2020-08-25	2019-11-30	Event processing method, apparatus and electronic device based on blockchain technology	Baoli Ma;	Alibaba Group Holding Limited;
4,559	10755285	2020-08-25	2018-03-12	Secured mutual confirmation method and system for tracing and verifying product identity, origin and authentication	Hiroshi Watanabe; Haining Fan;	
4,560	10755322	2020-08-25	2017-02-22	Blockchain-based software instance usage determination	Justin M Kilpatrick;	Red Hat, Inc.;

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4,561	10755327	2020-08-25	2017-07-18	Distributed ledger platform for vehicle records	Gaurav Nagla; Iustina-Miruna Vintila;	Royal Bank of Canada;
4,562	10756883	2020-08-25	2018-01-19	Systems and methods for data collection with blockchain recording	Thomas M Brehmer; Yuri Vizitei;	Trist Technologies, Inc.;
4,563	10756884	2020-08-25	2018-07-02	On-chain governance of blockchain	Meeta Vouk; Gari Singh; Jason K Yellick; Gennaro A Cuomo;	International Business Machines Corporation;
4,564	10756885	2020-08-25	2020-01-08	System and method for blockchain-based cross entity authentication	Shubo Li; Jiawei Liu; Renhui Yang;	Alibaba Group Holding Limited;
4,565	10756901	2020-08-25	2020-03-31	Blockchain-based identity authentication method, apparatus, and device	Xueqing Zou;	Alibaba Group Holding Limited;
4,566	10756902	2020-08-25	2017-12-28	System and method using distributed blockchain database	Christofer Hardy; David Abraham;	Dish Network L.l.c.;
4,567	10756912	2020-08-25	2018-10-12	Distributed ledger and blockchain to confirm validity of call recordings	Mehmet Balasaygun; Joel Ezell;	Avaya Inc.;
4,568	10757084	2020-08-25	2019-09-30	Retrieving access data for blockchain networks using highly available trusted execution environments	Yirong Yu;	Alibaba Group Holding Limited;
4,569	10747201	2020-08-18	2018-08-23	Subscription-based services using industrial blockchains	Tim S Biernat; Juergen K Weinhofer; Sharath Chander Reddy Baddam; Douglas J Reichard; Subbian Govindaraj;	Rockwell Automation Technologies Incorporated;
4,570	10747780	2020-08-18	2020-01-28	Blockchain-based data processing method and device	Honglin Qiu;	Alibaba Group Holding Limited;
4,571	10748150	2020-08-18	2018-03-21	Method and apparatus for processing transaction requests	Ning Li;	Alibaba Group Holding Limited;
4,572	10748429	2020-08-18	2019-11-21	Aircraft node of a decentralized airspace management system	Jeffrey Bosworth;	Textron Innovations Inc.;
4,573	10749669	2020-08-18	2019-12-06	Blockchain system and data storage method and apparatus	Ning Li;	Alibaba Group Holding Limited;
4,574	10749676	2020-08-18	2019-05-01	Distributed consent protecting data across systems and services	Jordan Simons;	Americorp Investments LLC;
4,575	10749681	2020-08-18	2016-10-26	Systems and methods for providing a universal decentralized solution for verification of users with cross-verification features	Marcus Andrade;	Black Gold Coin, Inc.;
4,576	10749684	2020-08-18	2017-09-26	Methods and apparatus for providing blockchain participant identity binding	Timothy Edward Moses;	Entrust Corporation;
4,577	10749696	2020-08-18	2019-12-13	Managing blockchain-based centralized ledger systems	Yize Li; Yuan Zhang; Wenyuan Yan; Benquan Yu; Xinying Yang;	Alibaba Group Holding Limited;
4,578	10749879	2020-08-18	2018-08-31	Secure decentralized file sharing systems and methods	Jeffrey Austin Pack; John Christopher Haager; Cody Joseph Sandwith; Janine Therese Terrano;	Topia Technology, Inc.;
4,579	10747609	2020-08-18	2018-07-10	Systems and methods for blockchain repair assurance tokens	Phillip H Griffin; Jeffrey J Stapleton;	Wells Fargo Bank, N.a.;
4,580	10749668	2020-08-18	2017-05-03	Reduction in storage usage in blockchain	Hiroki Yanagisawa;	International Business Machines Corporation;

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4,581	10739997	2020-08-11	2017-11-20	Deletion of blocks in a blockchain	Kumiko Maeda; Munetaka Ohtani; Yutaka Oishi; Chikafumi Yasumoto; Jiayun Zhu;	International Business Machines Corporation;
4,582	10740139	2020-08-11	2019-12-31	Method and system for performing hyperconvergence using blockchains	Thomas Thompson; Dallas Hoffman;	North Peak Resources Ltd.;
4,583	10740325	2020-08-11	2019-12-16	System and method for deleting node in blockchain network	Guilu Xie; Ning Xia;	Alibaba Group Holding Limited;
4,584	10740492	2020-08-11	2018-04-11	Data enrichment environment using blockchain	Vincent Julien David; Yogaraj Jayaprakasam; Daniel Reznik; Hemant Bhatia; Travis Brown; Ashwin Nagalla;	American Express Travel Related Services Company, Inc.;
4,585	10740756	2020-08-11	2017-11-28	Method and system for integration of market exchange and issuer processing for blockchain-based transactions	Steven Charles Davis; Ashish Raghavendra Tetali;	Mastercard International Incorporated;
4,586	10740761	2020-08-11	2018-03-23	Blockchain-based transaction processing method and apparatus	Hao Wu;	Alibaba Group Holding Limited;
4,587	10740763	2020-08-11	2020-02-28	Blockchain-based transaction processing method and apparatus	Hao Wu;	Alibaba Group Holding Limited;
4,588	10740844	2020-08-11	2017-09-26	System and method of managing trustless asset portfolios	Adam Stradling; Erik Voorhees;	Shapeshift Ag;
4,589	10740849	2020-08-11	2018-03-02	Smart contracts for vehicle events	William J Leise; Jacob J Alt; Jaime Skaggs; Eric Bellas; Shawn M Call; Eric R Moore; Melinda Teresa Magerkurth; Vicki King;	State Farm Mutual Automobile Insurance Company;
4,590	10742393	2020-08-11	2017-09-26	Confidentiality in a consortium blockchain network	Isaac Wooden;	Microsoft Technology Licensing, LLC;
4,591	10742395	2020-08-11	2019-02-01	Hardware blockchain acceleration	John Velissarios; Callum Stuart Hyland; Laurence Richard Freeman; Piergiorgio Rettaroli; Ennio Acernese; Pasquale Di Tucci; Salvatore Gifuni;	Accenture Global Solutions Limited;
4,592	10742396	2020-08-11	2019-05-17	Securing communications for roaming user equipment (UE) using a native blockchain platform	Om Prakash Suthar; Ammar Rayes; Michael David Geller; Ian McDowell Campbell; Aeneas Sean Dodd-Noble;	Cisco Technology, Inc.;
4,593	10742397	2020-08-11	2018-04-26	Method and system for managing decentralized data access permissions through a blockchain	Jonathan Sean Callan; Keir Finlow-Bates;	
4,594	10742415	2020-08-11	2020-02-05	Method and apparatus for inter-blockchain transmission of authenticable message	Honglin Qiu;	Alibaba Group Holding Limited;
4,595	10742416	2020-08-11	2018-08-21	Fuzzy dataset processing and biometric identity technology leveraging blockchain ledger technology	Andrew J Polcha; Michael P Polcha;	
4,596	10742423	2020-08-11	2019-12-13	Managing blockchain-based centralized ledger systems	Wenyuan Yan; Yuan Zhang; Xinying Yang; Benquan Yu; Yize Li;	Alibaba Group Holding Limited;
4,597	10742424	2020-08-11	2018-08-29	Trusted identity solution using blockchain	Richard Redpath; Daniel A Gisolfi; Bryce A Curtis; Aaron K Reed;	International Business Machines Corporation;
4,598	10742658	2020-08-11	2018-11-06	Method and system for blockchain-based anti-bot protection	Alon Lelcuk; David Aviv;	Radware, Ltd.;
4,599	10742837	2020-08-11	2019-02-07	System and method for creating and operating low-power wide area network for internet of things (IoT)	Kandha Sankarapandian; Steven Cebertowicz; Zachary Gianos; David M Hilbert; Yasha Spong; Venkat Ram Sriram;	Fuji Xerox Co., Ltd.;
4,600	10733152	2020-08-04	2019-12-23	System and method for implementing native contract on blockchain	He Sun;	Alibaba Group Holding Limited;

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4,601	10733176	2020-08-04	2017-12-04	Detecting phantom items in distributed replicated database	Roberta Cochrane; Manish Sethi; Balaji Viswanathan;	International Business Machines Corporation;
4,602	10733583	2020-08-04	2020-02-26	Blockchain-based withholding operations	Zhaolin Feng; Xu Wang; Yong Wang;	Alibaba Group Holding Limited;
4,603	10733602	2020-08-04	2016-09-29	Heartbeats and consensus in verifiable outsourced ledgers	Srinath Setty; Ramarathnam Venkatesan; Soumya Basu;	Microsoft Technology Licensing, LLC;
4,604	10733616	2020-08-04	2017-10-20	Systems and methods for trigger based synchronized updates in a distributed records environment	Jennifer Rutley; Abigail Jennings O'malley;	Massachusetts Mutual Life Insurance Company;
4,605	10735182	2020-08-04	2017-08-09	Apparatus, system, and methods for a blockchain identity translator	Dawn N Jutla; Peter Bodorik; Rohan V Malcolm;	Peer Ledger Inc.;
4,606	10735183	2020-08-04	2018-06-28	Symmetric encryption for private smart contracts among multiple parties in a private peer-to-peer network	Vijay Mehta; Alexander Phan;	Experian Information Solutions, Inc.;
4,607	10735193	2020-08-04	2018-05-31	Decentralized encryption and decryption of blockchain data	Michal Knas; Jiby John; Krzysztof Gibadlo; Rick Ferry;	Massachusetts Mutual Life Insurance Company;
4,608	10735197	2020-08-04	2018-04-24	Blockchain-based secure credential and token management across multiple devices	Prakash Sundaresan; Lionello G Lunesu; Antoine Cote;	Workday, Inc.;
4,609	10735202	2020-08-04	2017-07-24	Anonymous consent and data sharing on a blockchain	Praveen Jayachandran; Apurva Kumar; Yu Chin Fabian Lim; Venkatraman Ramakrishna;	International Business Machines Corporation;
4,610	10735203	2020-08-04	2017-10-09	Sharing network security threat information using a blockchain network	K Tirumaleswar Reddy; Prashanth Patil; Puneeth Rao Lokapalli; Carlos M Pignataro;	Cisco Technology, Inc.;
4,611	10735204	2020-08-04	2020-01-09	System and method for generating digital marks	Long Cheng; Yanpeng Li;	Alibaba Group Holding Limited;
4,612	10735207	2020-08-04	2020-01-09	System and method for implementing blockchain-based digital certificates	Long Cheng; Yanpeng Li;	Alibaba Group Holding Limited;
4,613	10735464	2020-08-04	2019-12-17	System and method for detecting replay attack	Guilu Xie;	Alibaba Group Holding Limited;
4,614	10722649	2020-07-28	2019-12-20	Blockchain consensus node selection	Qiang Tang;	Alibaba Group Holding Limited;
4,615	10725716	2020-07-28	2019-05-21	Systems, processes, and computer program products for network based printed notices	Eric de Beus;	Kyocera Document Solutions Inc.;
4,616	10725744	2020-07-28	2019-12-24	Method for adapting to blockchain and device, terminal and medium performing the same	Jia Li; Yi Yuan; Xiaoliang Pan; Wei Zhang;	Silver Rocket Data Technology (shanghai) Co., Ltd;
4,617	10725803	2020-07-28	2020-01-29	Methods and systems for automatic blockchain deployment based on cloud platform	Ming Zhu;	Alibaba Group Holding Limited;
4,618	10725843	2020-07-28	2020-01-06	System and method for ending view change protocol	Dayi Yang;	Alibaba Group Holding Limited;
4,619	10726000	2020-07-28	2019-07-23	Blockchain based integrity checks	George Fortney;	Science Applications International Corporation;
4,620	10726049	2020-07-28	2020-02-07	Obtaining blockchain data in stages	Lukun Lai;	Alibaba Group Holding Limited;

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4,621	10726107	2020-07-28	2018-10-08	Systems and methods for facilitating tokenization of modifiable game assets on a distributed blockchain	Stephan Cunningham; John Linden; Cameron Thacker;	Mythical, Inc.;
4,622	10726342	2020-07-28	2016-11-09	Cognitive information processing using a cognitive blockchain architecture	Manoj Saxena; Matthew Sanchez; Richard Knuszka;	Cognitive Scale, Inc.;
4,623	10726343	2020-07-28	2016-11-09	Performing compliance operations using cognitive blockchains	Manoj Saxena; Matthew Sanchez; Richard Knuszka;	Cognitive Scale, Inc.;
4,624	10726346	2020-07-28	2016-11-09	System for performing compliance operations using cognitive blockchains	Manoj Saxena; Matthew Sanchez; Richard Knuszka;	Cognitive Scale, Inc.;
4,625	10728019	2020-07-28	2018-04-27	Communication nodes, distributed communication networks, and methods for monitoring communication in a communication network using blockchains	Matthew Winslow; Scott Bohanan;	Gulfstream Aerospace Corporation;
4,626	10728042	2020-07-28	2020-01-08	System and method for blockchain-based cross-entity authentication	Shubo Li; Jiawei Liu; Renhui Yang;	Alibaba Group Holding Limited;
4,627	10728046	2020-07-28	2019-12-13	Managing blockchain-based centralized ledger systems	Xinying Yang; Benquan Yu; Yuan Zhang; Wenyuan Yan; Yize Li;	Alibaba Group Holding Limited;
4,628	10728020	2020-07-28	2018-07-16	Efficient mining operations in blockchain environments with non-secure devices	Shamim A Naqvi; Robert Frank Raucci; Goutham Puppala;	Sensoriant, Inc.;
4,629	10719377	2020-07-21	2019-12-20	System and method for blockchain-based notification	Yayang Guan; Rubing Shi;	Alibaba Group Holding Limited;
4,630	10719501	2020-07-21	2018-03-02	Systems and methods for analyzing vehicle sensor data via a blockchain	William J Leise; Jacob J Alt; Jaime Skaggs; Eric Bellas; Shawn M Call; Eric R Moore; Melinda Teresa Magerkurth; Vicki King;	State Farm Mutual Automobile Insurance Company;
4,631	10719771	2020-07-21	2016-11-09	Method for cognitive information processing using a cognitive blockchain architecture	Manoj Saxena; Matthew Sanchez; Richard Knuszka;	Cognitive Scale, Inc.;
4,632	10719816	2020-07-21	2015-11-19	Systems and methods for math-based currency escrow transactions	Ashish B Kurani;	Wells Fargo Bank, N.a.;
4,633	10719884	2020-07-21	2019-03-29	Blockchain-based service execution method and apparatus, and electronic device	Danqing Hu; Shaorong Zhang;	Alibaba Group Holding Limited;
4,634	10721058	2020-07-21	2018-10-29	Ultra-secure blockchain enabled analytics	Charlie Housholder; Jordan White Chaney; William Krut; Christian Nimsch; Bryce Nelson Chaney;	
4,635	10721060	2020-07-21	2018-06-29	Domain name blockchain user addresses	Andrew Kaizer; Swapneel Sheth;	Verisign, Inc.;
4,636	10721065	2020-07-21	2018-08-30	Active state blockchain synchronization	David Treat; Giuseppe Giordano; Luca Schiatti; Hugo Borne-Pons;	
4,637	10721073	2020-07-21	2019-06-18	Bidirectional blockchain	Joshua D Lampkins; Hyun (Tiffany) J Kim;	Hrl Laboratories, LLC;
4,638	10721078	2020-07-21	2019-04-16	Method and system for efficient distribution of configuration data utilizing permissioned blockchain technology	Simon R Dix; Steven Charles Davis;	Mastercard International Incorporated;
4,639	10721240	2020-07-21	2019-04-12	Blockchain mining using trusted nodes	Paul Harry Gleichauf;	Arm Limited;
4,640	10721217	2020-07-21	2019-11-04	Cryptographic datashare control for blockchain	David Treat; John Velissarios; Teresa Sheausan Tung; Luiz Pizzato; Deborah Garand; Atieh Ranjbar Kermany; Chia Jung Chang; Arjun Sitaraman Krishnan;	Accenture Global Solutions Limited;

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4,641	10721326	2020-07-21	2020-01-24	Method, apparatus, and electronic device for processing consensus requests in a blockchain consensus network	Rui Chen; Guofei Jiang; Huabing Du; Husen Wang;	Alibaba Group Holding Limited;
4,642	10713100	2020-07-14	2019-12-20	System and method for blockchain-based notification	Rubing Shi; Yayang Guan;	Alibaba Group Holding Limited;
4,643	10713239	2020-07-14	2019-09-27	Blockchain-based data storage and query method and device	Honglin Qiu;	Alibaba Group Holding Limited;
4,644	10713654	2020-07-14	2016-01-21	Enterprise blockchains and transactional systems	Donna Eng Dillenberger;	International Business Machines Corporation;
4,645	10713677	2020-07-14	2017-12-13	Method and system for social savings platform via blockchain	Mhd Zuhir Ziedan; Maissoun Abou Hamra;	Mastercard Asia/pacific Pte. Ltd.;
4,646	10713722	2020-07-14	2019-02-08	Blockchain instrument for transferable equity	Thomas Marshall Gordon, III; Joseph W Forbes, Jr; Gregory Frederick Bush;	Equity Shift, Inc.;
4,647	10713727	2020-07-14	2017-06-15	Systems and methods for building and utilizing an autonomous vehicle-related event blockchain	Matthew L Floyd; Alvin Hon-Wai Yu; Antwuan Murphy; Brittney Benzio; Lindsi Brantley; Matthew S Delaney; Matthew Vulich; Matthew S Rodriguez; Neha Goel; Sabrina Collins; Annie Pudlo Murillo;	State Farm Mutual Automobile Insurance Company;
4,648	10713963	2020-07-14	2017-05-25	Managing lifelong learner events on a blockchain	Shelby Solomon Darnell; Jonathan Lenchner; Daby M Sow; Charity Wayua; Komminist Weldemariam;	International Business Machines Corporation;
4,649	10715311	2020-07-14	2018-05-07	System and method for blockchain-based user authentication based on a cryptographic challenge	Prakash Sundaresan; Lionello G Lunesu; Antoine Cote;	Workday, Inc.;
4,650	10715312	2020-07-14	2018-05-07	System and method for blockchain-based device authentication based on a cryptographic challenge	Prakash Sundaresan; Lionello G Lunesu; Antoine Cote;	Workday, Inc.;
4,651	10715313	2020-07-14	2018-09-21	Systems and computer-based methods of document certification and publication	Luc Jarry-Lacombe; Vincent Langard;	Blockchain Certified Data Sas;
4,652	10715317	2020-07-14	2017-12-12	Protection of confidentiality, privacy and financial fairness in a blockchain based decentralized identity management system	Suresh Chari; Hasini Gunasinghe; Ashish Kundu; Kapil Kumar Singh; Dong Su;	International Business Machines Corporation;
4,653	10715322	2020-07-14	2020-01-09	System and method for updating data in blockchain	Yayang Guan; Yuan Chen; Kai Wang;	Alibaba Group Holding Limited;
4,654	10715329	2020-07-14	2019-10-23	Personated reality ecosystem	William L Wellman;	Personated Reality Solutions Inc.;
4,655	10715330	2020-07-14	2019-04-23	Cryptologic blockchain-based custody and authorization tracking for physical concessions	Vivek Govekar; Mark Potts;	Accenture Global Solutions Limited;
4,656	10715331	2020-07-14	2016-12-28	Method and system for providing validated, auditable, and immutable inputs to a smart contract	Steven Charles Davis;	Mastercard International Incorported;
4,657	10715531	2020-07-14	2017-08-10	Network topology	Ajith Thekadath; Suman Mukherjee;	Visa International Service Association;
4,658	10705866	2020-07-07	2019-12-16	System and method for executing different types of blockchain contracts	Shifeng Wang;	Alibaba Group Holding Limited;
4,659	10706023	2020-07-07	2019-07-10	Blockchain consensus method and device	Shifeng Wang;	Alibaba Group Holding Limited;
4,660	10706141	2020-07-07	2018-12-19	Methods and systems for identity creation, verification and management	David Costa Faidella; Robert Joseph Schukai; Scott Ryan Manuel; Marco Pierleoni; Jason A Thomas;	Refinitiv US Organization LLC;

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4,661	10706472	2020-07-07	2019-07-30	Systems and methods for analysis of digital asset development and transaction behaviors	James F Myers; David L Balter; Eric C Stone;	Flipside Crypto, Inc.;
4,662	10708040	2020-07-07	2019-10-31	Collision resistant blockchain	Tyson York Winarski;	
4,663	10708046	2020-07-07	2019-11-04	Quantum resistant blockchain with multi-dimensional quantum key distribution	Solyman Ashrafi;	Nxgen Partners Ip, LLC;
4,664	10708060	2020-07-07	2020-01-08	System and method for blockchain-based notification	Renhui Yang; Jiawei Liu; Yuan Chen; Yuqi Lin;	Alibaba Group Holding Limited;
4,665	10708066	2020-07-07	2019-05-24	Achieving consensus among network nodes in a distributed system	Peng Lin;	Alibaba Group Holding Limited;
4,666	10708068	2020-07-07	2019-02-28	System and method for implementing blockchain-based digital certificates	Long Cheng; Yanpeng Li;	Alibaba Group Holding Limited;
4,667	10708070	2020-07-07	2018-05-24	System and method for utilizing connected devices to enable secure and anonymous electronic interaction in a decentralized manner	Jay Fallah; Scott Rankine; Josef Zankowicz;	Nxm Labs Canada Inc.;
4,668	10708243	2020-07-07	2018-04-24	Message encryption using public keychains	Austin Walters;	Capital One Services, LLC;
4,669	10708250	2020-07-07	2019-07-11	Blockchain operating system	Jordan Simons;	Americorps Investments LLC;
4,670	10708280	2020-07-07	2019-12-20	System and method for registering subscribable states in blockchain	Yayang Guan; Rubing Shi;	Alibaba Group Holding Limited;
4,671	10708039	2020-07-07	2020-02-21	Blockchain data protection based on generic account model and homomorphic encryption	Wenbin Zhang; Baoli Ma; Huanyu Ma;	Alibaba Group Holding Limited;
4,672	10708289	2020-07-07	2019-01-24	Secured event monitoring leveraging blockchain	Guo Qiang Li; June-Ray Lin; Ronald Williams;	International Business Machines Corporation;
4,673	10698675	2020-06-30	2016-12-19	Decentralized automated software updates via blockchain	Luis Angel D Bathen; Gabor Madl; Mu Qiao; Ramani R Routray;	International Business Machines Corporation;
4,674	10698728	2020-06-30	2019-11-15	Systems and methods for forming application-specific blockchains	Jude Nelson;	Blockstack Pbc;
4,675	10698738	2020-06-30	2019-12-12	Implementing a blockchain-based workflow	Shanlu Sun; Shubo Li;	Alibaba Group Holding Limited;
4,676	10698885	2020-06-30	2020-01-28	Method and device for writing service data in block chain system	Guojun Ye;	Alibaba Group Holding Limited;
4,677	10698997	2020-06-30	2018-07-12	Login information data processing	Hao Li;	Alibaba Group Holding Limited;
4,678	10699006	2020-06-30	2019-10-31	Processing and storing blockchain data under a trusted execution environment	Changzheng Wei; Ying Yan; Boran Zhao; Xuyang Song; Huabing Du;	Alibaba Group Holding Limited;
4,679	10699269	2020-06-30	2019-05-24	System and method for smart contract publishing	Aaron Blankstein; Jude Nelson;	Blockstack Pbc;
4,680	10699340	2020-06-30	2019-07-22	Blockchain instrument for transferable equity	Thomas Marshall Gordon, III; Joseph W Forbes, Jr; Gregory Frederick Bush;	Equity Shift, Inc.;

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4,681	10699493	2020-06-30	2017-12-09	System and method for toll transactions utilizing a distributed ledger	Brian Hausman;	Hausman Properties, LLC;
4,682	10699574	2020-06-30	2019-01-29	Parking information sharing system using blockchain	Amanuel Zeryihun; Pramita Mitra; Prashant Rao; Abhishek Sharma; David Melcher;	Ford Global Technologies, LLC;
4,683	10700850	2020-06-30	2019-12-09	System and method for information protection	Baoli Ma; Wenbin Zhang; Lichun Li; Zheng Liu; Shan Yin;	Alibaba Group Holding Limited;
4,684	10700851	2020-06-30	2020-01-06	System and method for implementing a resolver service for decentralized identifiers	Yuqi Lin; Yuan Chen; Renhui Yang; Jiawei Liu;	Alibaba Group Holding Limited;
4,685	10700852	2020-06-30	2020-01-06	System and method for parallel-processing blockchain transactions	Guilu Xie; Ning Xia;	Alibaba Group Holding Limited;
4,686	10700861	2020-06-30	2018-09-30	System and method for generating a recovery key and managing credentials using a smart blockchain contract	Prakash Sundaresan; Lionello G Lunesu; Antoine Cote;	Workday, Inc.;
4,687	10700876	2020-06-30	2019-12-18	Methods and devices for processing certificates in blockchain system	Long Cheng; Yanpeng Li;	Alibaba Group Holding Limited;
4,688	10701054	2020-06-30	2018-01-31	Systems, methods, and apparatuses for implementing super community and community sidechains with consent management for distributed ledger technologies in a cloud based computing environment	Prithvi Krishnan Padmanabhan; Sriram Gopalan; Venkata Sarath Maddali; Darpan Dhamija; Jyoti Raj;	Salesforce.com, Inc.;
4,689	10701192	2020-06-30	2020-03-06	System and method for ending view change protocol	Dayi Yang;	Alibaba Group Holding Limited;
4,690	10691648	2020-06-23	2018-07-03	Controlling volatility via blockchain	Pralhad Dinesh Deshpande; Muhammad Tayyab Asif;	International Business Machines Corporation;
4,691	10691673	2020-06-23	2019-02-14	Asset management system, method, apparatus, and electronic device	Xuebing Yan;	Alibaba Group Holding Limited;
4,692	10691674	2020-06-23	2019-09-03	Distributed system for animal identification and management	Chit Wah Christine Leong; Alexandra Theresa Ashpole;	Accenture Global Solutions Limited;
4,693	10691675	2020-06-23	2019-12-23	Asset management system, method, apparatus, and electronic device	Xuebing Yan;	Alibaba Group Holding Limited;
4,694	10691678	2020-06-23	2019-02-13	Consistent reporting using blockchain	Tara Astigarraga; Yixin Diao; Ruchi Mahindru; Karin Murthy;	International Business Machines Corporation;
4,695	10691763	2020-06-23	2016-11-11	Trustable web searching verification in a blockchain	Su Han; Feifei Li; Qi Liang; Chang X Miao; Liu Xin;	International Business Machines Corporation;
4,696	10691835	2020-06-23	2020-02-03	Verifying integrity of data stored in a consortium blockchain using a public sidechain	Long Cheng; Yanpeng Li; Zhiyuan Feng;	Alibaba Group Holding Limited;
4,697	10693629	2020-06-23	2020-01-09	System and method for blockchain address mapping	Yayang Guan; Yuan Chen; Kai Wang;	Alibaba Group Holding Limited;
4,698	10693630	2020-06-23	2020-03-10	Cross-blockchain interaction method, apparatus, system, and electronic device	Honglin Qiu;	Alibaba Group Holding Limited;
4,699	10693637	2020-06-23	2018-08-12	System and method for composite-key based blockchain device control	Belavadi Nagarajaswamy Ramesh;	
4,700	10693646	2020-06-23	2018-02-27	Event execution using a blockchain approach	Manu Kurian;	Bank of America Corporation;

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4,701	10693649	2020-06-23	2020-01-07	Blockchain data processing methods, apparatuses, processing devices, and systems	Hushen Wang; Xuming Lu;	Alibaba Group Holding Limited;
4,702	10693654	2020-06-23	2019-09-12	Method and system for hosting a new blockchain using an existing blockchain node	Thomas Thompson;	
4,703	10693716	2020-06-23	2018-05-29	Blockchain based device management	Basavaraj Patil; M Mobeen Khan;	At&t Mobility Ii LLC;
4,704	10693954	2020-06-23	2017-03-03	Blockchain-enhanced mobile telecommunication device	James R Kozloski; Clifford A Pickover; Komminist Weldemariam;	International Business Machines Corporation;
4,705	10693957	2020-06-23	2019-12-16	System and method for adding node in blockchain network	Guilu Xie; Ning Xia;	Alibaba Group Holding Limited;
4,706	10693958	2020-06-23	2020-01-13	System and method for adding node in blockchain network	Guilu Xie; Ning Xia;	Alibaba Group Holding Limited;
4,707	10694032	2020-06-23	2019-07-21	Systems and methods for blockchain wireless services in a controlled environment	Michael Francis Byrne; Brian Francis Byrne;	
4,708	10691665	2020-06-23	2019-09-30	Constructing blockchain world state Merkle Patricia Trie subtree	Wenbin Zhang;	Alibaba Group Holding Limited;
4,709	10691676	2020-06-23	2019-09-30	Updating blockchain world state Merkle Patricia Trie subtree	Wenbin Zhang;	Alibaba Group Holding Limited;
4,710	10693652	2020-06-23	2019-03-13	Secret sharing via blockchain distribution	Jason Nadeau; Brian Deery; Paul Snow; Mahesh Paolini-Subramanya;	Factom, Inc.;
4,711	10693994	2020-06-23	2018-07-13	Method, apparatus, and electronic device for processing consensus requests in a blockchain consensus network	Rui Chen; Guofei Jiang; Huabing Du; Husen Wang;	Alibaba Group Holding Limited;
4,712	10682981	2020-06-16	2018-06-07	Systems and methods for networked device security	Stefano Pepe; Giuseppe Cardinale Ciccotti; Marco Palumbi; Ivan Minutillo; Giuseppe Magnotta;	Uniquid, Inc.;
4,713	10684783	2020-06-16	2019-02-25	Control method, information processing device, management system, and recording medium	Akira Tanaka; Fumiaki Kagaya; Eiichi Abe; Junichiro Soeda;	Panasonic Intellectual Property Corporation of America;
4,714	10684925	2020-06-16	2019-06-13	Method for view switching in a blockchain network	Qiang Tang;	Alibaba Group Holding Limited;
4,715	10685009	2020-06-16	2017-10-20	Systems and methods for trigger based synchronized updates in a distributed records environment	Jennifer Rutley; Abigail Jennings O'Malley;	Massachusetts Mutual Life Insurance Company;
4,716	10685323	2020-06-16	2017-12-11	Blockchain ledgers of material spectral signatures for supply chain integrity management	Nicholas C M Fuller; Prabhakar Kudva; Deborah Ann Neumayer;	International Business Machines Corporation;
4,717	10686590	2020-06-16	2017-12-26	Methods and systems for crowdsourcing an outcome to an issue	Joseph Santilli; Benjamin Casha;	
4,718	10686611	2020-06-16	2017-11-24	Data anonymizing blockchain system	Igor Ramos; Ana Biazetti;	International Business Machines Corporation;
4,719	10686789	2020-06-16	2018-06-26	Multi-blockchain network data processing	Honglin Qiu;	Alibaba Group Holding Limited;
4,720	10686799	2020-06-16	2018-04-30	Blockchain-based method and system for providing tenant security and compliance in a cloud computing environment	John Kelly;	Emc IP Holding Company LLC;

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4,721	10686803	2020-06-16	2018-05-30	Enhancing processing efficiency of blockchain technologies using parallel service data processing	Shifeng Wang;	Alibaba Group Holding Limited;
4,722	10687210	2020-06-16	2019-11-11	Switching mobile service provider using blockchain	Ram Viswanathan; Srinivasa Raghavan Govindaswamy;	International Business Machines Corporation;
4,723	10677607	2020-06-09	2019-05-23	Blockchain-based crowdsourcing of map applications	Ning Xia;	Alibaba Group Holding Limited;
4,724	10677886	2020-06-09	2018-08-08	Mini blockchain in a chip device and methods of utilization	William D Meadow;	Locatorx, Inc.;
4,725	10678597	2020-06-09	2020-01-15	Event-driven blockchain workflow processing	Jiyuan Wang;	Alibaba Group Holding Limited;
4,726	10678598	2020-06-09	2017-12-07	Enforcing compute equity models in distributed blockchain	Konstantinos Christidis; Nitin Gaur;	International Business Machines Corporation;
4,727	10678931	2020-06-09	2019-04-22	Regulating blockchain confidential transactions	Zheng Liu; Lichun Li; Huazhong Wang;	Alibaba Group Holding Limited;
4,728	10679152	2020-06-09	2016-12-06	Method and system for travel itinerary bidding via blockchain	Ankur Arora;	Mastercard International Incorporated;
4,729	10679210	2020-06-09	2017-06-26	Blockchain transaction commitment ordering	Ruslan Ardashev; Nitin Gaur;	International Business Machines Corporation;
4,730	10679221	2020-06-09	2017-10-20	Systems and methods for trigger based synchronized updates in a distributed records environment	Jennifer Rutley; Abigail Jennings O'Malley;	Massachusetts Mutual Life Insurance Company;
4,731	10680803	2020-06-09	2019-10-23	Method and system for verifying a recording	Marc Jonathan Uldridge; Anthony Douglass;	Ftr Labs Pty Ltd;
4,732	10680828	2020-06-09	2019-04-22	Domain name management scheme for cross-chain interactions in blockchain systems	Honglin Qiu;	Alibaba Group Holding Limited;
4,733	10680833	2020-06-09	2017-08-24	Obtaining and using time information on a secure element (SE)	Xiangying Yang;	Apple Inc.;
4,734	10680915	2020-06-09	2017-03-29	Consumption-based licensing of network features based on blockchain transactions	Michael P O'Brien; David C White, Jr; Muhilan Natarajan; Christopher Shaun Roberts;	Cisco Technology, Inc.;
4,735	10681020	2020-06-09	2018-03-12	Blockchain fortified aircraft communications addressing and reporting system (ACARS) communication	Timothy M Mitchell; Daniel Nguyen; Adonis X Williams; Michael R Vanguardia;	The Boeing Company;
4,736	10681083	2020-06-09	2019-12-17	System and method for detecting replay attack	Guilu Xie;	Alibaba Group Holding Limited;
4,737	10681175	2020-06-09	2019-07-19	Multi-server node service processing and consensus method and device	Yi Li;	Alibaba Group Holding Limited;
4,738	10680800	2020-06-09	2019-05-24	Blockchain data protection based on generic account model and homomorphic encryption	Wenbin Zhang; Baoli Ma; Huanyu Ma;	Alibaba Group Holding Limited;
4,739	10671315	2020-06-02	2018-08-17	Blockchain architecture for selective data restore and migration	Siten Sanghvi;	Bank of America Corporation;
4,740	10671372	2020-06-02	2018-11-01	Blockchain-based secure customized catalog system	Kevin T Marks; Viswanath Ponnuru; Raveendra Babu Madala;	Dell Products Inc.;

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4,741	10671380	2020-06-02	2019-04-22	Function-as-a-service (FaaS) platform in blockchain networks	Kailai Shao; Xuming Lu;	Alibaba Group Holding Limited;
4,742	10671599	2020-06-02	2019-12-17	Consensus system and method	Dayi Yang;	Alibaba Group Holding Limited;
4,743	10671733	2020-06-02	2017-05-19	Policy enforcement via peer devices using a blockchain	Ronald B Baker; Ravid Sagy;	International Business Machines Corporation;
4,744	10671906	2020-06-02	2019-04-01	Method for analyzing and verifying a microscopic imprint configured on an object for determining authenticity	Francisco Marchan; Alejandro Ruiz;	
4,745	10673273	2020-06-02	2018-05-18	Distributed ledger based control of large-scale, power grid energy resources	Reza Ghaemi; Xuefei Li; Benjamin Edward Beckmann;	General Electric Company;
4,746	10673617	2020-06-02	2019-04-23	Methods, system and point-to-point encryption device microchip for AES-sea 512-bit key using identity access management utilizing blockchain ecosystem to improve cybersecurity	George Antoniou; Oresteban Carabeo; Roberto Hernandez Espinosa;	
4,747	10673618	2020-06-02	2018-10-15	Provisioning network resources in a wireless network using a native blockchain platform	Om Prakash Suthar; Ammar Rayes; Michael David Geller; Ian McDowell Campbell; Aeneas Sean Dodd-Noble;	Cisco Technology, Inc.;
4,748	10673619	2020-06-02	2020-01-14	System and method for digital asset transfer	Rubing Shi; Wenlong Yang;	Alibaba Group Holding Limited;
4,749	10673620	2020-06-02	2017-12-14	Blockchain validation system	Frank Anthony Nuzzi;	Paypal, Inc.;
4,750	10673626	2020-06-02	2018-12-31	Threshold secret share authentication proof and secure blockchain voting with hardware security modules	William Sandberg-Maitland; Burton George Tregub;	Spyrus, Inc.;
4,751	10673775	2020-06-02	2018-02-27	Orchestration engine using a blockchain for a cloud resource digital ledger	Neeraj Asthana; Thomas E Chefalas; Alexei Karve; Clifford A Pickover;	International Business Machines Corporation;
4,752	10673847	2020-06-02	2018-08-28	Systems and methods for user authentication based on a genetic sequence	Ofer A Lidsky;	
4,753	10661594	2020-05-26	2018-05-18	Structure for secure containment of information	Adam Trexler; Laurie Johansen; Paul Diffendaffer; Kelda J Diffendaffer;	
4,754	10663303	2020-05-26	2018-06-07	System and method for dynamically authenticating map data using blockchains	Matthew John Lawrenson; Julian Charles Nolan; Norihiko Kobayashi; Nobuhiro Fukuda; Makoto Hinata; Takanao Yano;	Panasonic Intellectual Property Management Co., Ltd.;
4,755	10664305	2020-05-26	2020-01-17	Method and apparatus for writing service data into block chain and method for determining service subset	Honglin Qiu;	Alibaba Group Holding Limited;
4,756	10664451	2020-05-26	2019-08-29	Systems and methods for encrypting data in backend storage caches shared by multiple decentralized applications	Yukan Liao; Matthew Little; Jude Nelson; Aaron Blankstein;	Blockstack Pbc;
4,757	10664469	2020-05-26	2019-05-23	Accelerating transaction deliveries in blockchain networks using acceleration nodes	Ning Xia;	Alibaba Group Holding Limited;
4,758	10664485	2020-05-26	2016-12-23	Block chain mining method, device, and node apparatus	Yueyang Zhang; Hui Xie;	Cloudminds (shenzhen) Robotics Systems Co., Ltd.;
4,759	10664877	2020-05-26	2019-10-31	Product promotion using smart contracts in blockchain networks	Zhiyuan Feng; Yanpeng Li; Long Cheng;	Alibaba Group Holding Limited;
4,760	10664920	2020-05-26	2018-01-12	Blockchain systems and methods for providing insurance coverage to affinity groups	Leif Agerholm Roll; Eric Webster; Gregory L Hayward; Craig Dean Isaacs;	State Farm Mutual Automobile Insurance Company;

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4,761	10664923	2020-05-26	2015-03-13	System and method for establishing a public ledger for gift card transactions	Vinodan K Lingham; Mark Levitt; Krisan Ramesh Nichani; Guillaume P Lebleu;	
4,762	10666423	2020-05-26	2016-09-08	Biometric verification of a blockchain database transaction contributor	David Benini;	Aware, Inc.;
4,763	10666424	2020-05-26	2017-10-20	Systems and methods for trigger based synchronized updates in a distributed records environment	Jennifer Rutley; Abigail Jennings O'Malley;	Massachusetts Mutual Life Insurance Company;
4,764	10666425	2020-05-26	2018-06-04	Digital education record management method based on blockchain token technology	Jianbiao Dai;	Shanghai Netban Education Technology Company Limited;
4,765	10666442	2020-05-26	2017-11-29	Password management and verification with a blockchain	Debbie Anglin; Howard Anglin; Su Liu; Yu Liu;	International Business Machines Corporation;
4,766	10666445	2020-05-26	2019-04-22	Cross-chain interactions using a domain name scheme in blockchain systems	Honglin Qiu;	Alibaba Group Holding Limited;
4,767	10666446	2020-05-26	2017-11-15	Decentralized enrollment and revocation of devices	Susanto Junaidi Irwan; Ganesh B Jampani; Andy Sugiarto; Jeffrey Charles Venable, Sr; Roman Arutyunov;	Xage Security, Inc.;
4,768	10666778	2020-05-26	2020-01-06	System and method for ending view change protocol	Dayi Yang;	Alibaba Group Holding Limited;
4,769	10664835	2020-05-26	2019-04-22	Blockchain data protection using homomorphic encryption	Baoli Ma; Wenbin Zhang;	Alibaba Group Holding Limited;
4,770	10656936	2020-05-19	2018-08-30	Systems and methods for software integrity validation using blockchain	Charles D Robison; Andrew T Fausak; Daniel L Hamlin;	Dell Products Inc.;
4,771	10657151	2020-05-19	2018-07-19	Method and apparatus for communication between blockchain nodes	Honglin Qiu;	Alibaba Group Holding Limited;
4,772	10657225	2020-05-19	2016-12-29	Providing blockchain-based subscription-as-a-service management	Justin M Kilpatrick; Gregory N Hoelzer;	Red Hat, Inc.;
4,773	10657261	2020-05-19	2018-11-05	System and method for recording device lifecycle transactions as versioned blocks in a blockchain network using a transaction connector and broker service	Srinivas Kumar; Atul Gupta; Ruslan Ulanov; Shreya Uchil;	Mocana Corporation;
4,774	10657293	2020-05-19	2019-09-30	Field-programmable gate array based trusted execution environment for use in a blockchain network	Changzheng Wei; Guozhen Pan; Ying Yan; Huabing Du; Boran Zhao; Xuyang Song; Yichen Tu; Ni Zhou; Jianguo Xu;	Alibaba Group Holding Limited;
4,775	10657526	2020-05-19	2016-10-28	System and method to dynamically setup a private sub-blockchain based on agility of transaction processing	Konstantinos Christidis; Anna D Derbakova; Nitin Gaur; Praveen Jayachandran; Srinivasan Muralidharan;	International Business Machines Corporation;
4,776	10657607	2020-05-19	2017-05-06	Implementation of payroll smart contract on a distributed ledger	Anna Linne;	Adp, Inc.;
4,777	10659217	2020-05-19	2018-01-05	Blockchain-based automated user matching	Suki Ramasamy; Sasidhar Purushothaman;	Bank of America Corporation;
4,778	10659218	2020-05-19	2017-12-31	System and method for detecting anomalies in examinations	Kamal K Bhattacharya; Jonathan Lenchner; Charity Wayua; Komminist Weldemariam;	International Business Machines Corporation;
4,779	10659219	2020-05-19	2019-08-23	Workflow management via distributed ledgers and smart contracts	Jayaraman Ganeshmani; Jacob Creech;	Capital One Services, LLC;
4,780	10659223	2020-05-19	2018-08-23	Secure multiparty loss resistant storage and transfer of cryptographic keys for blockchain based systems in conjunction with a wallet management system	Craig Steven Wright; Stephane Savanah;	Nchain Holdings Limited;

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4,781	10659236	2020-05-19	2019-08-14	Method for superseding log-in of user through PKI-based authentication by using blockchain database of UTXO-based protocol, and server employing same	Seung Il Ra; Hee Soon Kim; Jay Wu Hong; Joon Sun Uhr;	Coinplug, Inc.;
4,782	10659239	2020-05-19	2019-03-20	Blockchain for open scientific research	Jae-Wook Ahn; Maria D Chang; Ravindranath Kokku; Patrick Watson;	International Business Machines Corporation;
4,783	10659473	2020-05-19	2017-11-09	Method and apparatus for blockchain powered integrity protection system	Matteo Signorini; Matteo Pontecorvi; Jan Kok; Scott Lively; Maurice Godin;	Nokia Solutions and Networks Oy;
4,784	10657532	2020-05-19	2017-07-03	Identity management service using a blockchain providing certifying transactions between devices	Armin Ebrahimi;	Ping Indentity Corporation;
4,785	10649859	2020-05-12	2019-05-24	Performing a recovery process for a network node in a distributed system	Peng Lin;	Alibaba Group Holding Limited;
4,786	10649953	2020-05-12	2019-05-30	Blockchain-based data migration method and apparatus	Xinying Yang; Shifeng Wang;	Alibaba Group Holding Limited;
4,787	10650123	2020-05-12	2019-05-06	Blockchain enhanced entitlement control	Kevin Matthew Mintz; Arthur R Leinen, III; Melanie Jean Cutlan; Richard Thomas Meszaros;	Accenture Global Solutions Limited;
4,788	10650476	2020-05-12	2017-11-28	Electronic discovery process using a blockchain	Michael Bässler; Thomas Hampp; Philipp Hoffmann; David Lebutsch; Daniel Pittner;	International Business Machines Corporation;
4,789	10652014	2020-05-12	2017-02-16	Determining a common secret for the secure exchange of information and hierarchical, deterministic cryptographic keys	Craig Steven Wright; Stephane Savanah;	Nchain Holdings Limited;
4,790	10652016	2020-05-12	2019-09-04	Methods, apparatus, and systems for controlling internet-connected devices having embedded systems with dedicated functions	Gregory J Falco; Caleb Li; Pavel Fedorov; Carlos Caldera; Kelly Jackson; Rahul Arora;	Neuromesh, Inc.;
4,791	10652019	2020-05-12	2019-08-28	Atomic swap using zero-knowledge proofs, and applications thereof	Aurélien Renaud François Nicolas; Ron Kahat; Pablo Kogan; Yakov Gurkan; Ori Wallenstein;	Qed-it Systems Ltd.;
4,792	10652184	2020-05-12	2019-12-16	System and method using blockchain ledger and zero knowledge proof for tokenized communications	Craig Winter; Monique Jeanne Morrow;	Syniverse Technologies, LLC;
4,793	10652239	2020-05-12	2017-12-28	Block-chain enabled service provider system including permission data structure and state channel monitoring	Christoph Jentzsch; Simon Jentzsch; Stéphane Tual;	Slock.it Gmbh;
4,794	10649429	2020-05-12	2018-06-22	Use of blockchain based distributed consensus control	Lawrence Orsini;	Lo3 Energy Inc.;
4,795	10642643	2020-05-05	2019-08-07	Method and apparatus for writing service data into block chain and method for determining service subset	Honglin Qiu;	Alibaba Group Holding Limited;
4,796	10642699	2020-05-05	2019-07-03	Blockchain-based consensus method and device	Qiang Tang;	Alibaba Group Holding Limited;
4,797	10642825	2020-05-05	2019-06-28	System and method for interoperability of blockchains	Abhijit Keskar;	Innoplexus Ag;
4,798	10642967	2020-05-05	2017-11-28	Single sign-on solution using blockchain	Balaji Balaraman; Andras L Ferenczi; Dallas L Gale; Nilesh Yashavant Jadhav; Harish R Naik;	American Express Travel Related Services Company, Inc.;
4,799	10643202	2020-05-05	2017-07-25	Real-time processing distributed ledger system	Joseph Benjamin Castinado; Charles Russell Kendall; Martha Sain McClellan; Lee Ann Proud; Ayeesha Sachedina; Calvin William Tackett, Jr;	Bank of America Corporation;
4,800	10643407	2020-05-05	2018-12-27	Driving event recording method and system for non-image-based car accident cause determination	Ching-Chou Tang; Chao-Tang Yu; Chien-Liang Hsieh; Kun-Yu Li; Jhih-Deng Hong; Yu-Hao Chung; Ming-Ta Wu; Sheng-Kai Huang; Qing-Yuan Huang;	Southern Taiwan University of Science and Technology;

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4,801	10644889	2020-05-05	2019-11-25	Consent management apparatus and system	Raghuraman Govindaraj; Sharad Rao; Sanjay Ungarala;	Tetra Ventures LLC;
4,802	10645180	2020-05-05	2019-11-27	System and method for scalably tracking media playback using blockchain	Andrew Batey; Pouria Assadipour;	Beatdapp Software Inc.;
4,803	10645235	2020-05-05	2018-10-25	System and method for blockchain ledger over multifunction peripheral network	Milong Sabandith;	Toshiba Tec Kabushiki Kaisha;
4,804	10643288	2020-05-05	2016-10-13	Use of blockchain based distributed consensus control	Lawrence Orsini; Yun Wei; Joseph Lubin;	Transactive Grid Inc.;
4,805	10635722	2020-04-28	2016-04-20	Method of distributed management of electronic documents of title (EDT) and system thereof	Gad Ruschin; Or Garbash; Yair Sappir;	Ogy Docs, Inc.;
4,806	10635790	2020-04-28	2017-09-06	Systems and methods for providing identity assurance for decentralized applications	Richard Collin; Robert John Lundie Hill; Mihai Cimpoesu;	Refinitiv US Organization LLC;
4,807	10635801	2020-04-28	2018-10-22	Systems and methods for securing access to storage and retrieval systems	David G Tovey; John J O'Brien; Bruce W Wilkinson; Brian G McHale; Robert L Cantrell; Donald R High;	Walmart Apollo, LLC;
4,808	10636030	2020-04-28	2018-11-06	System and method for creating a secure mesh network utilizing the blockchain	Austin Grant Walters; Jeremy Edward Goodsitt; Fardin Abdi Taghi Abad;	Capital One Services, LLC;
4,809	10636102	2020-04-28	2019-05-31	Bidding on a post in a social media platform	Daniel J Larimer; Richard B Whitner; Leonardo Lima Ribeiro;	Block.one;
4,810	10637644	2020-04-28	2018-12-21	System and method for authorizing transactions in an authorized member network	Austin Grant Walters; Reza Farivar; Jeremy Edward Goodsitt;	Capital One Services, LLC;
4,811	10637646	2020-04-28	2017-02-01	Verifying an identity based on multiple distributed data sources using a blockchain to safeguard the identity	Sri Krishnamacharya; Quang Le; Stan Tigrett; Russ Ayres;	Equifax Inc.;
4,812	10637666	2020-04-28	2019-08-29	Migrating data for decentralized applications between disparate backend storage providers	Aaron Blankstein; Jude Nelson; Lawrence Salibra; Matthew Little;	Blockstack Pbc;
4,813	10637662	2020-04-28	2017-08-28	Identity verification using biometric data and non-invertible functions via a blockchain	Aaron K Baughman; Charles E Beller; Sean M Fuoco; Chennakesavalu Govindasamy; Palani Sakthi;	International Business Machines Corporation;
4,814	10627250	2020-04-21	2019-01-23	System and method for tracking vehicle mileage using blockchain	Daniel W Young; Vinay Rao; Dhivya Ganesan; Jennifer Northrup; Richard C Mcsorley; Christopher R Heeney; Steven Lewis; Joseph Jurich;	Walmart Apollo, LLC;
4,815	10628268	2020-04-21	2016-12-15	Proof of data replication consistency using blockchain	Leehod Baruch; Assaf Natanzon; Jehuda Shemer;	Emc IP Holding Company LLC;
4,816	10628389	2020-04-21	2018-01-25	Verification of data provenance for existing computer systems	Jacob Ryan Bordens;	Merck Sharp & Dohme Corporation;
4,817	10628450	2020-04-21	2019-07-30	System and method for blockchain-based secure data processing	Abhijit Keskar;	Innoplexus Ag;
4,818	10628454	2020-04-21	2019-03-13	Relational blockchain database	Paul Richard Gauvreau, Jr;	Blockpoint Systems Inc.;
4,819	10628485	2020-04-21	2019-05-10	Blockchain-based music originality analysis method and apparatus	Xinying Yang;	Alibaba Group Holding Limited;
4,820	10628491	2020-04-21	2016-11-09	Cognitive session graphs including blockchains	Manoj Saxena; Matthew Sanchez; Richard Knuszka;	Cognitive Scale, Inc.;

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4,821	10628578	2020-04-21	2017-12-21	Systems and methods for determining trust levels for computing components using blockchain	Brick Eksten; Craig White;	Imagine Communications Corp.;
4,822	10628605	2020-04-21	2019-05-23	Data isolation in a blockchain network	Jiyuan Wang;	Alibaba Group Holding Limited;
4,823	10628833	2020-04-21	2019-04-02	Computer architecture incorporating blockchain based immutable audit ledger for compliance with data regulations	Scott Hines;	Td Professional Services, LLC;
4,824	10628906	2020-04-21	2018-06-18	Embedding blockchain information in digital images	Christopher L Zachary;	General Motors Corporation;
4,825	10630485	2020-04-21	2018-09-21	Systems and methods of secure provenance for distributed transaction databases	Alex Zinder;	Nasdaq, Inc.;
4,826	10630672	2020-04-21	2019-05-24	Performing a change of primary node in a distributed system	Peng Lin;	Alibaba Group Holding Limited;
4,827	10630769	2020-04-21	2018-07-06	Distributed system of record transaction receipt handling in an overlay network	David C Carver; Andrew F Champagne;	Akamai Technologies, Inc.;
4,828	10621150	2020-04-14	2017-03-05	System and method for enforcing the structure and content of databases synchronized over a distributed ledger	Jonathan Sean Callan; Keir Finlow-Bates;	
4,829	10621233	2020-04-14	2016-11-09	Cognitive session graphs including blockchains	Manoj Saxena; Matthew Sanchez; Richard Knuszka;	Cognitive Scale, Inc.;
4,830	10621339	2020-04-14	2017-12-12	Monitor apparatus, method, and non-transitory computer readable storage medium thereof	Jian-Wei Liao; Chin-Wei Tien; Chia-Kang Ho;	Institute for Information Industry;
4,831	10621376	2020-04-14	2018-04-19	Personal ledger blockchain	Donna N Dillenberger;	International Business Machines Corporation;
4,832	10621510	2020-04-14	2016-11-09	Hybrid blockchain data architecture for use within a cognitive environment	Manoj Saxena; Matthew Sanchez; Richard Knuszka;	Cognitive Scale, Inc.;
4,833	10621511	2020-04-14	2016-11-09	Method for using hybrid blockchain data architecture within a cognitive environment	Manoj Saxena; Matthew Sanchez; Richard Knuszka;	Cognitive Scale, Inc.;
4,834	10621542	2020-04-14	2019-01-29	System and method for crowd source loaned code with blockchain	Robert Cantrell; Bruce Wilkinson; Sid Shake; David M Nelms;	Walmart Apollo, LLC;
4,835	10621579	2020-04-14	2019-09-05	Multi-signature verification network	Jerry Perullo;	Intercontinental Exchange Holdings, Inc.;
4,836	10622104	2020-04-14	2018-10-04	System and method utilizing facial recognition with online (social) network to access casualty health information in an emergency situation	David Alan Finkelstein; Paige Erin Finkelstein; Ali Simone Finkelstein;	
4,837	10623387	2020-04-14	2018-05-25	Distributed key secret for rewritable blockchain	Giuseppe Ateniese; Michael T Chiaramonte; David Treat; Bernardo Magri; Daniele Venturi;	Accenture Global Solutions Limited; Gsc Secrypt, LLC;
4,838	10614253	2020-04-07	2018-02-14	Systems and methods for state of data management	Fortune Vieyra;	
4,839	10615964	2020-04-07	2019-04-03	Cross-blockchain interaction method, apparatus, system, and electronic device	Honglin Qiu;	Alibaba Group Holding Limited;
4,840	10615985	2020-04-07	2019-05-24	Achieving consensus among network nodes in a distributed system	Peng Lin;	Alibaba Group Holding Limited;

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4,841	10615960	2020-04-07	2019-04-22	Blockchain data protection using homomorphic encryption	Wenbin Zhang; Baoli Ma;	Alibaba Group Holding Limited;
4,842	10606738	2020-03-31	2018-02-05	Application testing on a blockchain	Vijay Kumar Ananthapur Bache; Jhilam Bera; Arvind Kumar; Bidhu Sahoo;	International Business Machines Corporation;
4,843	10606958	2020-03-31	2018-01-10	Machine learning modification and natural language processing	David Bacarella; James H Barnebee, IV; Nicholas Lawrence; Sumit Patel;	International Business Machines Corporation;
4,844	10607031	2020-03-31	2018-11-13	Cryptographic ASIC with autonomous onboard permanent storage	Edward L Rodriguez De Castro;	Blockchain Asics LLC;
4,845	10607032	2020-03-31	2019-03-04	Cryptographic ASIC for key hierarchy enforcement	Edward L Rodriguez De Castro;	Blockchain Asics LLC;
4,846	10608825	2020-03-31	2017-04-21	Decentralized exchanges in a distributed autonomous platform	Yehuda Jay Berg;	Protoblock, Inc.;
4,847	10608829	2020-03-31	2018-10-08	Blockchain timestamp agreement	Sachiko Yoshihama; Tatsushi Inagaki; Yohei Ueda; Kohichi Kamijoh; Hiroaki Nakamura;	International Business Machines Corporation;
4,848	10609032	2020-03-31	2017-12-07	Enforcing compute equity models in distributed blockchain	Konstantinos Christidis; Nitin Gaur;	International Business Machines Corporation;
4,849	10608910	2020-03-31	2018-02-28	Using blockchain to track information for devices on a network	Bernd Moeller;	Myomega Systems Gmbh;
4,850	10599491	2020-03-24	2019-09-26	Storing and verifying the integrity of event related data	Damien Patton; Rish Mehta;	Banjo Corporation;
4,851	10599874	2020-03-24	2018-11-05	Container update system	Simon J Brady; Jonas E Bryllert; John V Delaney; Barry Hollywood; Gerhard H Widmayer; Clea A Zolotow;	International Business Machines Corporation;
4,852	10601585	2020-03-24	2016-12-16	Methods and apparatus for blockchain encryption	Peter Robinson; Eric Young;	Emc IP Holding Company LLC;
4,853	10601597	2020-03-24	2019-03-09	Blockchain based digital certificate provisioning of internet of things devices	Jonathan Sean Callan; Keir Finlow-Bates;	
4,854	10601598	2020-03-24	2017-11-02	System and method for storing the location on a blockchain of a hash of a digital item within said digital item	Keir Finlow-Bates; Jonathan Sean Callan;	
4,855	10601665	2020-03-24	2017-07-26	Using blockchain smart contracts to manage dynamic data usage requirements	Luis Angel D Bathen; Gabor Madl; Ramani Routray; Sangeetha Seshadri;	International Business Machines Corporation;
4,856	10601834	2020-03-24	2019-03-19	Multi-blockchain network data processing	Honglin Qiu;	Alibaba Group Holding Limited;
4,857	10601911	2020-03-24	2017-11-16	Partitioning of a blockchain ledger	Tao Duan; Hai Ji; Zi Jian Ji; Yuan Yuan Li;	International Business Machines Corporation;
4,858	10602096	2020-03-24	2018-11-28	Video camera device and method to monitor a child in a vehicle by secure video transmission using blockchain encryption	Giuseppe Veneziano;	
4,859	10602202	2020-03-24	2019-07-30	System and techniques for digital data lineage verification	Kenneth Taylor; Austin Grant Walters; Jeremy Edward Goodsitt; Fardin Abdi Taghi Abad; Reza Farivar; Vincent Pham; Anh Truong;	Capital One Services, LLC;
4,860	10601861	2020-03-24	2017-04-28	Blockchain tracking of virtual universe traversal results	James R Kozloski; Clifford A Pickover; Komminist Weldemariam;	International Business Machines Corporation;

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4,861	10592639	2020-03-17	2016-09-06	Blockchain-based shadow images to facilitate copyright protection of digital content	Tamara Gaidar; Eran Birk; Nava Levy; Glen J Anderson; Ned M Smith;	Intel Corporation;
4,862	10592642	2020-03-17	2019-04-17	Systems and methods for decentralized content distribution	Bruce W Wilkinson; Charles Harry Lobo; Sid Shake;	Walmart Apollo, LLC;
4,863	10592873	2020-03-17	2018-05-21	Edit transactions for blockchains	Mark Russinovich;	Microsoft Technology Licensing, LLC;
4,864	10592979	2020-03-17	2017-07-26	Managing blockchain transactions	Donald S Bell; Michael J Hudson;	International Business Machines Corporation;
4,865	10592993	2020-03-17	2018-03-19	Computerized transaction management module for blockchain networks	Mahendran Muthu Pandian;	Oracle Financial Services Software Limited;
4,866	10593109	2020-03-17	2018-03-09	Systems and methods for controlling a fleet of drones for data collection	Matthew L Floyd;	State Farm Mutual Automobile Insurance Company;
4,867	10594477	2020-03-17	2019-04-22	Blockchain smart contract updates using decentralized decision	Kailai Shao; Xuming Lu;	Alibaba Group Holding Limited;
4,868	10594487	2020-03-17	2017-07-27	Password management and verification with a blockchain	Debbie Anglin; Howard Anglin; Su Liu; Yu Liu;	International Business Machines Corporation;
4,869	10594488	2020-03-17	2019-05-10	Method and system for implementing automatic transaction rebroadcasting for transient blockchains	David Begor Lancashire;	Proclus Technologies Limited;
4,870	10594489	2020-03-17	2019-07-10	Method and device for processing service request	Weiming Zhuang; Ning Li;	Alibaba Group Holding Limited;
4,871	10594495	2020-03-17	2017-12-13	Verifying authenticity of computer readable information using the blockchain	Donald R High; Bruce Walter Wilkinson; Todd Mattingly; Brian Gerard McHale; John J O'Brien, V; Robert Cantrell; Joseph Jurich;	Walmart Apollo, LLC;
4,872	10594498	2020-03-17	2019-05-22	Method and service-providing server for secure transmission of user-authenticating information	Joon Sun Uhr; Jay Wu Hong; Joo Han Song;	Coinplug, Inc.;
4,873	10594034	2020-03-17	2019-09-12	Blockchain cellular system	Bao Tran; Ha Tran;	
4,874	10586062	2020-03-10	2016-11-22	Systems and methods to track, store, and manage events, rights and liabilities	Gopinath Rangan; John C Hopkins, III;	United Services Automobile Association (usaa);
4,875	10586210	2020-03-10	2016-11-30	Blockchain checkpoints and certified checkpoints	Guerney D H Hunt; Lawrence Koved;	International Business Machines Corporation;
4,876	10587467	2020-03-10	2018-11-05	Changing an existing blockchain trust configuration	Sheehan Anderson; Konstantinos Christidis; Anna D Derbakova; Nitin Gaur;	International Business Machines Corporation;
4,877	10587628	2020-03-10	2016-09-29	Verifiable outsourced ledgers	Srinath Setty; Ramarathnam Venkatesan;	Microsoft Technology Licensing, LLC;
4,878	10587760	2020-03-10	2018-09-06	System, method, and computer program for providing device centric payment authorization in roaming conditions	Eran Yosef Paran; Shmuel Ur;	Amdocs Development Limited;
4,879	10588175	2020-03-10	2018-10-24	Network of trust with blockchain	Adam R Koeppel; James Zarakas; Molly Johnson; Tyler Locke; Rajko Ilincic; Kevan Emmott;	Capital One Services, LLC;
4,880	10579368	2020-03-03	2017-03-10	Blockchain version control systems	Peter Wisnovsky;	Salesforce.com, Inc.;

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4,881	10579424	2020-03-03	2018-05-15	Prioritization in a permissioned blockchain	Seep Goel; Abhishek Singh; Rachit Garg; Mudit Verma; Praveen Jayachandran;	International Business Machines Corporation;
4,882	10579779	2020-03-03	2017-05-12	Method and system for verifying integrity of a digital asset using a distributed hash table and a peer-to-peer distributed ledger	Craig Steven Wright; Stephane Savanah;	Nchain Holdings Limited;
4,883	10579819	2020-03-03	2018-09-21	Systems and methods for securing and disseminating time sensitive information using a blockchain	Akbar Ansari; Thomas Fay; Dominick Paniscotti;	Nasdaq, Inc.;
4,884	10579825	2020-03-03	2019-09-02	Unified control of privacy-impacting devices	Kevin L Miller;	Labyrinth Research LLC;
4,885	10579994	2020-03-03	2018-11-06	Method for routing to mesh network content utilizing blockchain technology	Austin Grant Walters; Jeremy Edward Goodsitt; Fardin Abdi Taghi Abad;	Capital One Services, LLC;
4,886	10581591	2020-03-03	2017-10-26	Probabilistic secondary token issuance on a blockchain based on burning of a primary token of the blockchain	Matthew Branton;	
4,887	10581592	2020-03-03	2017-11-29	Game data offloading to a blockchain	Jeffrey Bisti; Ryan Bertsche; Danielle Judka; Philip Siconolfi;	International Business Machines Corporation;
4,888	10581610	2020-03-03	2019-05-09	Blockchain data processing methods, apparatuses, processing devices, and systems	Husen Wang; Xuming Lu;	Alibaba Group Holding Limited;
4,889	10581615	2020-03-03	2016-09-18	Blockchain-based identity authentication method, device, node and system	Hui Xie; Jian Wang;	Cloudminds (shenxhen) Robotics) Systems Co., Ltd.;
4,890	10581621	2020-03-03	2017-05-18	Enhanced chaincode analytics provenance in a blockchain	Luis Angel D Bathen; Ramani R Routray;	International Business Machines Corporation;
4,891	10581805	2020-03-03	2019-06-10	Blockchain overwatch	Jordan Simons; Steve Ernst;	Gcp IP Holdings I, LLC;
4,892	10581847	2020-03-03	2016-09-27	Blockchain-backed device and user provisioning	Nicholas Sun; Damian Finol Correa; Yunlong Liu;	Amazon Technologies, Inc.;
4,893	10581869	2020-03-03	2019-09-23	Customized view of restricted information recorded into a blockchain	Jordan Simons;	Americorp Investments LLC;
4,894	10579643	2020-03-03	2019-09-09	Method and system for tuning blockchain scalability, decentralization, and security for fast and low-cost payment and transaction processing	Vijay Madisetti; Arshdeep Bahga;	
4,895	10571444	2020-02-25	2017-04-27	Providing data to a distributed blockchain network	Risham Y Chokshi; Autumn Good; William Livesey; Andie Schroeder;	International Business Machines Corporation;
4,896	10572684	2020-02-25	2018-04-26	Systems and methods for enforcing centralized privacy controls in de-centralized systems	Malcolm Gary LaFever; Ted N Myerson; Steven Mason;	Anonos Inc.;
4,897	10572688	2020-02-25	2017-04-07	Blockchain based software licensing enforcement	Rajiv Asati; Nagendra Kumar Nainar; Carlos M Pignataro; Justin J Muller;	Cisco Technology, Inc.;
4,898	10573192	2020-02-25	2019-03-04	Information processing apparatus, information processing method, and program	Masaaki Isozu;	Sony Corporation;
4,899	10574453	2020-02-25	2018-01-10	System and computer program product for certified confidential data collaboration using blockchains	Ranjit Notani;	
4,900	10574464	2020-02-25	2019-01-16	Method and system for securing a blockchain with proof-of-transactions	David Begor Lancashire; Richard Michael Parris;	Proclus Technologies Limited;

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4,901	10565192	2020-02-18	2017-08-01	Optimizing queries and other retrieve operations in a blockchain	Andres Garagiola; Jeronimo Irazabal; Raul Laprida; Guillermo R Lopez; Diego Masini; Dulce B Ponceleon;	International Business Machines Corporation;
4,902	10565644	2020-02-18	2019-08-22	Methods and apparatus for ingestion of legacy records into a mortgage servicing blockchain	Shane Michael Leonard; Richard Sheridan Collins;	Ranieri Ip, LLC;
4,903	10567168	2020-02-18	2017-11-16	Blockchain transaction privacy enhancement through broadcast encryption	Andres Garagiola; John Geagan, III; Jeronimo Irazabal; Guillermo R Lopez; Diego A Masini; Dulce Ponceleon;	International Business Machines Corporation;
4,904	10567174	2020-02-18	2019-05-10	Blockchain data processing methods, apparatuses, processing devices, and systems	Hushen Wang; Xuming Lu;	Alibaba Group Holding Limited;
4,905	10567175	2020-02-18	2018-11-21	Method and system blockchain variant using digital signatures	David J King;	Mastercard International Incorporated;
4,906	10567177	2020-02-18	2017-06-26	Media channel monitoring to prove content presentation	Eric Diehl; Timothy James Wright;	Sony Corporation; Sony Pictures Entertainment, Inc.;
4,907	10567320	2020-02-18	2017-10-17	Messaging balancing and control on blockchain	Shyamala Chalakudi; Ming Yin;	American Express Travel Related Services Company, Inc.;
4,908	10567393	2020-02-18	2018-03-16	Distributed blockchain data management in a satellite environment	John Metzger; Shaun Coleman;	Vector Launch Inc.;
4,909	10558825	2020-02-11	2019-02-13	Method for sharing business information based on mutual confirmation blockchain	Chang Nyoung Suh;	Asadal, Inc.;
4,910	10558996	2020-02-11	2016-06-09	Methods and systems for regulating operation of units using encryption techniques associated with a blockchain	Cassie Boutelle; Lou Grilli; Troy Land; James Heystek; Wade D Murray;	Fidelity National Information Services, Inc.;
4,911	10560261	2020-02-11	2018-06-06	Systems and techniques for capture of trusted media data	Jason Lealand Crawforth; Michael Robert Blood;	Deeptruth, LLC;
4,912	10560267	2020-02-11	2019-06-14	Method and apparatus for verifying block data in a blockchain	Honglin Qiu;	Alibaba Group Holding Limited;
4,913	10560268	2020-02-11	2017-02-13	Node characterization in a blockchain	Bhavani K Eshwar; Subramanian B Manjunath; Soma S Naganna; Subramanian Palaniappan;	International Business Machines Corporation;
4,914	10560270	2020-02-11	2017-05-03	Optimal data storage configuration in a blockchain	Shan Gao; Xue F Gao; Peng Han; Zhen Y Shi; Qing F Zhang;	International Business Machines Corporation;
4,915	10560272	2020-02-11	2018-12-17	Bio-information data providing method, bio-information data storing method and bio-information data transferring system based on multiple blockchains	Sungwoo Yang; Jaekyung Chon; Ik Jung Choi; Hyun Min Park; Jieun Park; Jeongsun Seo; Changhoon Kim;	Macrogen Corp.; Macrogen Corp.;
4,916	10552381	2020-02-04	2016-12-16	Shared document editing in the blockchain	Paul R Bastide; Jonathan Dunne; Liam Harpur; Robert E Loredo;	International Business Machines Corporation;
4,917	10552383	2020-02-04	2017-09-25	Method and system for data conversion and data model optimization	Mayank Sharma; Buland Khan;	Wipro Limited;
4,918	10552556	2020-02-04	2018-12-04	System and method for performance testing of scalable distributed network transactional databases	Dan Kikinis;	Liquineq Ag;
4,919	10552601	2020-02-04	2017-01-18	Deferred subscription activation using blockchain	Justin M Kilpatrick;	Red Hat, Inc.;
4,920	10552627	2020-02-04	2019-01-24	System and method for the creation and management of decentralized authorizations for connected objects	David Leporini; Charles Piron;	Bull Sas;

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4,921	10552641	2020-02-04	2019-05-23	Verifying integrity of data stored in a consortium blockchain using a public sidechain	Long Cheng; Yanpeng Li; Zhiyuan Feng;	Alibaba Group Holding Limited;
4,922	10554394	2020-02-04	2017-10-01	Toggle mute	William Krut;	
4,923	10554413	2020-02-04	2019-04-03	Cross-blockchain authentication method and apparatus, and electronic device	Honglin Qiu;	Alibaba Group Holding Limited;
4,924	10554414	2020-02-04	2019-05-27	Material exchange format MXF file augmented with blockchain hashing technology	Tyson York Winarski;	
4,925	10554649	2020-02-04	2017-05-22	Systems and methods for blockchain validation of user identity and authority	Brian Mark Fields; Lee Marvin John Assam;	State Farm Mutual Automobile Insurance Company;
4,926	10554746	2020-02-04	2016-11-14	Decentralized immutable storage blockchain configuration	Luis Angel D Bathen; Gabor Madl; Ramani R Routray; Mu Qiao;	International Business Machines Corporation;
4,927	10549202	2020-02-04	2017-10-25	Blockchain gaming system	Charles McCoy; True Xiong; Nathan Blaine Morgan; Christopher McEniry;	Sony Interactive Entertainment Inc.;
4,928	10554421	2020-02-04	2019-08-14	Method for superseding log-in of user through PKI-based authentication by using smart contact and blockchain database, and server employing same	Seung Il Ra; Hee Soon Kim; Jay Wu Hong; Joon Sun Uhr;	Coinplug, Inc.;
4,929	10545794	2020-01-28	2019-07-11	Blockchain-based data processing method and equipment	Honglin Qiu;	Alibaba Group Holding Limited;
4,930	10547454	2020-01-28	2017-12-27	Managing in-flight transfer of parcels using blockchain authentication	Brian S Beaman; Eric V Kline; Sarbajit K Rakshit;	International Business Machines Corporation;
4,931	10547457	2020-01-28	2016-10-21	Systems and methods for notary agent for public key infrastructure names	David V Duccini; Phillip H Griffin; Jeffrey J Stapleton;	Wells Fargo Bank, N.a.;
4,932	10547687	2020-01-28	2018-08-06	Mobile communication device monitoring systems and methods	Robert A Lotter; Timothy S Allard;	Eagency, Inc.;
4,933	10540209	2020-01-21	2019-05-23	Event-driven blockchain workflow processing	Jiyuan Wang;	Alibaba Group Holding Limited;
4,934	10540514	2020-01-21	2019-08-01	Distributed network for storing a redundant array of independent blockchain blocks	Tyson York Winarski;	
4,935	10540640	2020-01-21	2019-05-09	System, method and program product for generating and utilizing stable value digital assets	Daniel William Halley James; Brandon Arvanaghi; Cem Paya; Eric Neiman Winer; Cameron Howard Winklevoss; Tyler Howard Winklevoss;	Winklevoss Ip, LLC;
4,936	10540653	2020-01-21	2019-05-24	System, method and program product for modifying a supply of stable value digital asset tokens	Daniel William Halley James; Cameron Howard Winklevoss; Tyler Howard Winklevoss; Brandon Arvanaghi; Eric Neiman Winer; Stephen Judkins; Alex Parkinson;	Winklevoss Ip, LLC;
4,937	10540654	2020-01-21	2019-06-11	System, method and program product for generating and utilizing stable value digital assets	Daniel William Halley James; Brandon Arvanaghi; Cem Paya; Cameron Howard Winklevoss; Tyler Howard Winklevoss; Eric Neiman Winer; Stephen Judkins; Alex Parkinson;	Winklevoss Ip, LLC;
4,938	10541806	2020-01-21	2017-07-13	Authorizing account access via blinded identifiers	Jonathan M C Rosenoer;	International Business Machines Corporation;
4,939	10541807	2020-01-21	2019-01-18	System and method for healthcare security and interoperability	Jun Morimura; Jessica Lee; Rama Kondru; Thomas Doyle; Lichen Shen;	Janssen Pharmaceutica Nv;
4,940	10541818	2020-01-21	2017-04-19	Decentralized biometric signing of digital contracts	Anthony M Butler; Ghada Dulaim; Victor Usobiaga;	International Business Machines Corporation;

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4,941	10541821	2020-01-21	2018-08-29	Systems and methods for storing and sharing transactional data using distributed computing systems	Johan Toll; Fredrik Sjöblom;	Nasdaq Technology Ab;
4,942	10541886	2020-01-21	2017-05-24	Decentralized change management based on peer devices using a blockchain	Luis Angel D Bathen; Gabor Madl; Ramani R Routray; Mu Qiao;	International Business Machines Corporation;
4,943	10541991	2020-01-21	2019-03-28	Method for OAuth service through blockchain network, and terminal and server using the same	Joon Sun Uhr; Jay Wu Hong; Moon Gju Suh;	Coinplug, Inc.;
4,944	10542013	2020-01-21	2018-08-13	User behavior profile in a blockchain	Richard Anthony Ford; Brandon L Swafford; Christopher Brian Shirey; Matthew P Moynahan; Richard Heath Thompson;	Forcepoint LLC;
4,945	10542046	2020-01-21	2018-09-13	Systems and methods for blockchain security data intelligence	Rakesh Babu Katragadda; Juan Ramirez; G Krishna Kumar; Chandana Karipineni; Saritha Vellanki; Sudha Kolachalam;	Unifyvault LLC;
4,946	10540344	2020-01-21	2019-04-22	Utilizing nonce table to resolve concurrent blockchain transaction failure	Chao Shen; Kailai Shao; Xuming Lu;	Alibaba Group Holding Limited;
4,947	10532268	2020-01-14	2018-05-07	Smart device	Bao Tran; Ha Tran;	
4,948	10534913	2020-01-14	2017-03-03	Blockchain state reliability determination	Joshua Daniel; Gery Ducatel; Mohammad Zoualfaghari;	British Telecommunications Public Limited Company;
4,949	10535062	2020-01-14	2019-03-20	Using a contactless card to securely share personal data stored in a blockchain	Jeffrey Rule; Rajko Ilincic; Kaitlin Newman;	Capital One Services, LLC;
4,950	10535111	2020-01-14	2018-12-19	Apparatus, code, methods and systems for providing proof of trust related to smart contracts	Patrick Damien O'Brien;	
4,951	10536265	2020-01-14	2019-05-24	Method, system and apparatus for data storage and data access	Jun Tong;	Alibaba Group Holding Limited;
4,952	10536445	2020-01-14	2019-04-05	Discrete blockchain and blockchain communications	Daniel Maurice Lerner;	
4,953	10536537	2020-01-14	2019-06-13	Multi-source deterministic oracle management	Anh-Dung Le; Luca Schiatti; Giuseppe Giordano;	Accenture Global Solutions Limited;
4,954	10528377	2020-01-07	2017-04-26	Cooperative cloud infrastructure using blockchains for hardware ownership and access	Jay Vyas; Huamin Chen;	Red Hat, Inc.;
4,955	10528551	2020-01-07	2018-09-25	System and method for providing a representational state transfer proxy service for a blockchain cloud service	Jared Li; Pierce Shi; Shi Xiang Zhou; Weiguo Zhu; Sheng Zhu; Shun Li; Jim Jin; Todd Little;	Oracle International Corporation;
4,956	10528756	2020-01-07	2019-02-06	Method for managing information using tree structure based on blockchain, server and terminal using the same	Joon Sun Uhr; Jay Wu Hong; Joo Han Song; Moon Gju Suh;	Coinplug, Inc.;
4,957	10528890	2020-01-07	2019-07-24	Blockchain-based training data management system and method for trusted model improvements	Marisa Ferrara Boston; Christopher H L Wicher; Rupa Shah;	Kpmg Llp;
4,958	10530569	2020-01-07	2019-05-01	Game data offloading to a blockchain	Jeffrey Bisti; Ryan Bertsche; Danielle Judka; Philip Siconolfi;	International Business Machines Corporation;
4,959	10530756	2020-01-07	2018-01-16	Profile-deletion control for an embedded universal integrated circuit card	Simon Youngs; David W Holmes;	Sprint Spectrum L.p.;
4,960	10530786	2020-01-07	2018-10-17	Managing access to user profile information via a distributed transaction database	Richard A Ford;	Forcepoint LLC;

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4,961	10530859	2020-01-07	2016-11-28	Blockchain functionalities in data storage system	Stephen Todd;	Emc IP Holding Company LLC;
4,962	10530754	2020-01-07	2018-10-15	Publicly readable blockchain registry of personally identifiable information breaches	Steven Cornelis Versteeg; Nathan Allin Hastings; Xien Yao; John Sinclair Bird;	Ca, Inc.;
4,963	10530877	2020-01-07	2019-04-23	Method and system for cross channel in-car media consumption measurement and analysis using blockchain	Robert J Maccini; Roderick MacKenzie; Joseph V Gallagher; Rafael Saavedra; Peter Williams;	Drive Time Metrics, Inc.;
4,964	10531230	2020-01-07	2018-12-27	Blockchain systems and methods for confirming presence	Matthew Wootton; Boris Dieseldorff; Justin McKinney;	Ivani, LLC;
4,965	10518178	2019-12-31	2018-12-06	Systems and methods for transfer of rights pertaining to game assets between users of an online gaming platform	Stephan Cunningham; John Linden;	Mythical, Inc.;
4,966	10521505	2019-12-31	2017-12-17	Cognitive mediator for generating blockchain smart contracts	Ryan Anderson; Joseph Kozhaya; Christopher M Madison; John Wolpert;	International Business Machines Corporation;
4,967	10521604	2019-12-31	2018-03-19	Unified control of privacy-impacting devices	Kevin L Miller;	Labyrinth Research LLC;
4,968	10521775	2019-12-31	2016-11-29	Secure processing of electronic transactions by a decentralized, distributed ledger system	Michael Christopher Hearn; Qurratul Ain Shams Asari;	R3 Ltd.;
4,969	10521806	2019-12-31	2019-02-25	Blockchain-based system and method for supply chain control	Robert Cantrell; Daniel W Young; Brian McHale; John J O'Brien; Todd Mattingly;	Walmart Apollo, LLC;
4,970	10523421	2019-12-31	2017-06-26	Checkpoints for permissionless blockchains	Guerney D H Hunt; Lawrence Koved;	International Business Machines Corporation;
4,971	10523443	2019-12-31	2017-08-21	Devices, methods, and systems for cryptographic authentication and provenance of physical assets	Bruce Kleinman;	
4,972	10523526	2019-12-31	2016-12-28	System and method for managing services and licenses using a blockchain network	Denis Dementev; Victor Lysenko; Mark Shmulevich; Stanislav Protasov; Serguei Beloussov;	Acronis International Gmbh;
4,973	10523638	2019-12-31	2019-03-13	Data sanitization system for public host platform	David G Druker; Matthew Elsner; Ariel Farkash; Igor Gokhman; Brian R Matthiesen; Patrick R Wardrop; Ilgen B Yuceer;	International Business Machines Corporation;
4,974	10521780	2019-12-31	2016-12-15	Blockchain based transaction management	John C Hopkins, III; Bharat Prasad; Hudson R Jameson; Gopinath Rangan;	United Services Automobile Association (usaa);
4,975	10513077	2019-12-24	2018-03-06	System and methods for three dimensional printing with blockchain controls	Todd Davenport Mattingly; David G Tovey; John Jeremiah O'Brien;	Walmart Apollo, LLC;
4,976	10515233	2019-12-24	2017-03-19	Automatic generating analytics from blockchain data	Gennaro A Cuomo; Donna N Dillenberger; Fenno F Heath, III; Rong Liu; Roman Vaculin;	International Business Machines Corporation;
4,977	10515333	2019-12-24	2018-10-12	Secure product identification and verification	Clement Vivier;	Accenture Global Solutions Limited;
4,978	10516525	2019-12-24	2017-08-24	System and method for detecting anomalies in examinations	Kamal K Bhattacharya; Jonathan Lenchner; Charity Wayua; Komminist Weldemariam;	International Business Machines Corporation;
4,979	10516538	2019-12-24	2017-11-01	System and method for digitally signing documents using biometric data in a blockchain or PKI	Laurel Fielding; Tewodros Mulatu;	Netcomm Inc.;
4,980	10509891	2019-12-17	2017-05-03	Method and system for content and service sharing	Hillel Solow; Yossi Tsuria; Avraham Poupko; Shabtai Atlow;	Cisco Technology, Inc.;

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4,981	10509919	2019-12-17	2019-05-29	Blockchain-based transaction processing method and apparatus	Jiyuan Wang; Huabing Du; Xuebing Yan;	Alibaba Group Holding Limited;
4,982	10511452	2019-12-17	2017-12-14	Blockchain for open scientific research	Jae-Wook Ahn; Maria D Chang; Ravindranath Kokku; Patrick Watson;	International Business Machines Corporation;
4,983	10511964	2019-12-17	2019-04-04	Switching mobile service provider using blockchain	Ram Viswanathan; Srinivasa Raghavan Govindaswamy;	International Business Machines Corporation;
4,984	10509684	2019-12-17	2019-02-07	Blockchain integration for scalable distributed computations	Patricia Gomes Soares Florissi; Ofri Masad;	Emc IP Holding Company LLC;
4,985	10504179	2019-12-10	2015-12-08	Social aggregated fractional equity transaction partitioned acquisition apparatuses, methods and systems	Thomas McGuire; Amanda Chiu; Xinxin Sheng; Jonathan Hromi; Raghav Chawla;	Fmr Corp.;
4,986	10505708	2019-12-10	2019-05-23	Blockchain transaction speeds using global acceleration nodes	Ning Xia;	Alibaba Group Holding Limited;
4,987	10505717	2019-12-10	2018-09-06	Method and system for partitioned blockchains and enhanced privacy for permissioned blockchains	Steven Charles Davis;	Mastercard International Incorporated;
4,988	10505718	2019-12-10	2018-09-18	Systems, devices, and techniques for registering user equipment (UE) in wireless networks using a native blockchain platform	Om Prakash Suthar; Aeneas Sean Dodd-Noble; Ammar Rayes; Ian McDowell Campbell; Michael David Geller;	Cisco Technology, Inc.;
4,989	10505720	2019-12-10	2019-07-16	Blockchain system and data storage method and apparatus	Ning Li;	Alibaba Group Holding Limited;
4,990	10505726	2019-12-10	2019-05-28	System and method for providing cryptographically secured digital assets	Christopher Andon; Matthew Davis; Hien Tommy Pham; Jeremy Schroeder;	Nike, Inc.;
4,991	10505737	2019-12-10	2019-06-04	System and method for blockchain-based consent and campaign management	Huiyue Xu; Jason Gerardi; Javier Dominguez; Sara DeBella; Sreedhar Vemuri;	Syniverse Technologies, LLC;
4,992	10505877	2019-12-10	2018-07-30	Messaging systems and methods that employ a blockchain to ensure integrity of message delivery	Tal Golan;	Salesforce.com, Inc.;
4,993	10505949	2019-12-10	2017-03-06	Blockchain-based system, and electronic apparatus and method in the system	Zhihui Zhang;	Sony Corporation;
4,994	10506104	2019-12-10	2018-11-28	Identity verification using blockchain technology	Mehran Shakeri;	Sap Se;
4,995	10503916	2019-12-10	2017-09-26	Method and system for identity and credential protection and verification via blockchain	Anthony Paul Murphy; Timothy Warren Mattingly; Peter Flor;	Mastercard International Incorporated;
4,996	10505920	2019-12-10	2018-02-19	System and method of device identification for enrollment and registration of a connected endpoint device, and blockchain service	Srinivas Kumar; Atul Gupta; Ruslan Ulanov; Shreya Uchil;	Mocana Corporation;
4,997	10496633	2019-12-03	2018-08-20	Ensuring data integrity of executed transactions	Sarthak Pattanaik; Vadim Pertsovskiy;	The Bank of New York Mellon Corporation;
4,998	10497267	2019-12-03	2018-01-23	Blockchain airspace management for air taxi services	Jeffrey Bosworth;	Textron Innovations Inc.;
4,999	10498541	2019-12-03	2018-02-06	Electronic identification verification methods and systems	Armin Ebrahimi; Gaurav Khot; Vladimir Reshetnikov; Robert Gadbois;	Shoccard, Inc.;
5,000	10498542	2019-12-03	2018-02-09	Electronic identification verification methods and systems with storage of certification records to a side chain	Armin Ebrahimi; Gaurav Khot;	Shocard, Inc.;

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5,001	10498808	2019-12-03	2018-03-28	Blockchain-based property management	Sasidhar Purushothaman; Suki Ramasamy;	Bank of America Corporation;
5,002	10496850	2019-12-03	2018-10-05	Secure decentralized system utilizing smart contracts, a blockchain, and/or a distributed file system	Jonathan Lee; Steve Frensch; Ethan Greig; Anna-Maria Nalepa; Zheng Jian;	Capital One Services, LLC;
5,003	10489597	2019-11-26	2017-03-28	Blockchain verification of network security service	David Safford; Atul Kshirsagar; William David Smith, II; Richard Paul Messmer;	General Electric Company;
5,004	10490304	2019-11-26	2016-12-08	Device-driven non-intermediated blockchain system over a social integrity network	Shahid N Shah;	Netspective Communications LLC;
5,005	10491375	2019-11-26	2017-10-05	Secure verification of conditions of a contract using a set of verification tools	Isha Maggu; Ian Lobo; Ian Gray; Moustafa Bounasser;	Accenture Global Solutions Limited;
5,006	10491376	2019-11-26	2018-09-21	Systems, devices, and techniques for managing data sessions in a wireless network using a native blockchain platform	Om Prakash Suthar; Aeneas Sean Dodd-Noble; Ammar Rayes; Ian McDowell Campbell; Michael David Geller;	Cisco Technology, Inc.;
5,007	10491578	2019-11-26	2018-03-30	Mitigation of offline ciphertext-only attacks	Cédric Hebert; Laurent Gomez; José Márquez;	Sap Se;
5,008	10482236	2019-11-19	2019-03-06	Methods, mediums, and systems for establishing and using security questions	Vincent Pham; Austin Grant Walters; Jeremy Edward Goodsitt; Fardin Abdi Taghi Abad; Anh Truong; Kate Key; Kenneth Taylor;	Capital One Services, LLC;
5,009	10482288	2019-11-19	2018-10-11	Content validation using blockchain	Pamela Rice;	Capital One Services, LLC;
5,010	10482533	2019-11-19	2019-03-03	Methods and apparatus for servicing an obligation utilizing a blockchain	Shane Michael Leonard; Richard Sheridan Collins;	Ranieri Ip, LLC;
5,011	10482554	2019-11-19	2018-10-05	Digital negotiation platform	Adam Vukich; Kaitlin Newman; Colin Hart; Jason Ji;	Capital One Services, LLC;
5,012	10484178	2019-11-19	2018-04-24	Systems and methods for providing a universal decentralized solution for verification of users with cross-verification features	Marcus Andrade;	Black Gold Coin, Inc.;
5,013	10484341	2019-11-19	2017-04-27	Distributed ledger for multi-cloud operational state	Stephen Todd; Brian Roche; Xuebin He; Thinh Nguyen; Gary White, Jr;	Emc IP Holding Company LLC;
5,014	10484346	2019-11-19	2017-06-29	Establishment of consortium blockchain network	Mark Russinovich; Manuel Costa; Matthew Kerner; Thomas Moscibroda;	Microsoft Technology Licensing, LLC;
5,015	10484413	2019-11-19	2017-10-31	System and a method for detecting anomalous activities in a blockchain network	Abhishek Kar; Arpit Jain; Kuntal Das; Shyam Kumar;	Cognizant Technology Solutions India Pvt. Ltd.;
5,016	10476665	2019-11-12	2017-01-26	Cryptographic algorithm status transition	Phillip H Griffin; Jeffrey J Stapleton;	Wells Fargo Bank, N.a.;
5,017	10476701	2019-11-12	2018-03-22	Method for high-security data transmission of blockchain	Li Chun Wang; Yu-Jia Chen; Shu Wang;	National Chiao Tung University;
5,018	10476847	2019-11-12	2019-01-31	Systems, methods, and devices for implementing a smart contract on a distributed ledger technology platform	Mark Smith; Anush Vijayaraghavan; Evan Wagner; Yiqun Yin;	Symbiont.io, Inc.;
5,019	10476879	2019-11-12	2017-07-26	Blockchain authentication via hard/soft token verification	Luis Angel D Bathen; Gabor Madl; Ramani Routray;	International Business Machines Corporation;
5,020	10467067	2019-11-05	2019-02-27	Storing and verifying the integrity of event related data	Damien Patton; Rish Mehta;	Banjo Corporation;

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5,021	10467586	2019-11-05	2017-03-23	Blockchain ledgers of material spectral signatures for supply chain integrity management	Nicholas C M Fuller; Prabhakar Kudva; Deborah Ann Neumayer;	International Business Machines Corporation;
5,022	10469248	2019-11-05	2017-10-17	API request and response balancing and control on blockchain	Shyamala Chalakudi; Ming Yin;	American Express Travel Related Services Company, Inc.;
5,023	10469250	2019-11-05	2019-02-28	Physical item mapping to blockchain framework	Max Adel Rady;	
5,024	10469263	2019-11-05	2017-02-14	Systems and methods for providing identity scores	Robert Joseph Schukai; Scott Ryan Manuel;	Refinitiv US Organization LLC;
5,025	10469460	2019-11-05	2017-04-17	Data sharing in a blockchain-enabled trust domain	Gonzalo Salgueiro; Chidambaram Arunachalam; Felipe Ignacio Garrido;	Cisco Technology, Inc.;
5,026	10469605	2019-11-05	2019-06-28	System and method for scalably tracking media playback using blockchain	Andrew Batey; Pouria Assadipour;	Beatdapp Software Inc.;
5,027	10459990	2019-10-29	2019-03-27	Data processing method and device, medium and terminal thereof	Jia Li; Yi Yuan; Xiaoliang Pan; Qing Yan;	
5,028	10460118	2019-10-29	2016-08-30	Secure storage audit verification system	Bjorn Hamel; Jonathan David Ruggiero;	Workday, Inc.;
5,029	10460283	2019-10-29	2019-03-25	Smart contract optimization for multiparty service or product ordering system	Vijay Madisetti; Arshdeep Bahga;	Vijay Madisetti;
5,030	10460289	2019-10-29	2017-02-02	Auditing certified blockchain checkpoints	Guerney D H Hunt; Lawrence Koved;	International Business Machines Corporation;
5,031	10459946	2019-10-29	2019-04-04	Method and system for tuning blockchain scalability, decentralization, and security for fast and low-cost payment and transaction processing	Vijay Madisetti; Arshdeep Bahga;	
5,032	10452699	2019-10-22	2018-06-18	System and method for executing access transactions of documents related to drug discovery	Abhijit Keskar; Akshesh Doshi;	Innoplexus Ag;
5,033	10452776	2019-10-22	2017-07-28	Cognitive mediator for generating blockchain smart contracts	Ryan Anderson; Joseph Kozhaya; Christopher M Madison; John Wolpert;	International Business Machines Corporation;
5,034	10452863	2019-10-22	2018-10-03	Unified control of privacy-impacting devices	Kevin L Miller;	Labyrinth Research LLC;
5,035	10452998	2019-10-22	2017-03-19	Cognitive blockchain automation and management	Gennaro A Cuomo; Donna N Dillenberger; Rong Liu; Roman Vaculin;	International Business Machines Corporation;
5,036	10454683	2019-10-22	2017-06-16	Blockchain systems and methods for user authentication	Jonathan Weimer; Ryan Fox;	Capital One Services, LLC;
5,037	10454918	2019-10-22	2019-03-28	Method for SSO service using PKI based on blockchain networks, and device and server using the same	Joon Sun Uhr; Jay Wu Hong; Moon Gju Suh;	Coinplug, Inc.;
5,038	10454765	2019-10-22	2016-07-15	Method and system for node discovery and self-healing of blockchain networks	Steven Charles Davis;	Mastercard International Incorporated;
5,039	10445302	2019-10-15	2017-01-03	Limiting blockchain size to optimize performance	Rhonda L Childress; Rahul Gupta; David B Kumhyr; Maharaj Mukherjee;	International Business Machines Corporation;
5,040	10447478	2019-10-15	2016-10-18	Cryptographic applications for a blockchain system	John Marley Gray;	Microsoft Technology Licensing, LLC;

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5,041	10447480	2019-10-15	2016-12-30	Event verification receipt system and methods	Risto Alas; Hema Krishnamurthy;	Guardtime Sa;
5,042	10447483	2019-10-15	2018-12-26	Secure firmware updates for remote vehicles	Ao-Jan Su;	Chongqing Jinkang New Energy Vehicle Co., Ltd.; Sf Motors, Inc.;
5,043	10448251	2019-10-15	2019-02-28	Blockchain authentication for mobile network access	Arturo Maria;	At&t Mobility Ii LLC;
5,044	10447770	2019-10-15	2017-05-30	Blockchain micro-services framework	Dante J Pacella; Ashish Sardesai; Mani Tadayon; Saravanan Mallesan; Sonit Mahey; Lee E Sattler; Venkata Josyula; Jean M McManus;	Verizon Patent and Licensing Inc.;
5,045	10438104	2019-10-08	2019-03-20	System and apparatus for encrypted data collection using RFID cards	Kevin Osborn; James Zarakas; Saleem Sangi; Jeffrey Rule;	Capital One Services, LLC;
5,046	10438170	2019-10-08	2017-01-05	Blockchain for program code credit and programmer contribution in a collective	James R Kozloski; Clifford A Pickover; Komminist Weldemariam;	International Business Machines Corporation;
5,047	10438290	2019-10-08	2018-04-23	System, method and program product for generating and utilizing stable value digital assets	Cameron Howard Winklevoss; Tyler Howard Winklevoss;	Winklevoss Ip, LLC;
5,048	10440028	2019-10-08	2019-01-16	Distributed authorization of identities in a dynamic connected environment	Gil Makmel; Or Gamliel; Dima Barboi;	Cyberark Software Ltd.;
5,049	10430563	2019-10-01	2018-12-04	Blockchain enhanced entitlement control	Kevin Matthew Mintz; Arthur R Leinen, III; Melanie Jean Cutlan; Richard Thomas Meszaros;	Accenture Global Solutions Limited;
5,050	10432411	2019-10-01	2017-05-10	System and method for file time-stamping using a blockchain network	Igor Barinov; Victor Lysenko; Serguei M Beloussov; Stanislav Protasov; Mark Schmulevich;	Acronis International Gmbh;
5,051	10432585	2019-10-01	2017-04-12	Autonomous decentralization of centralized stateful security services with systematic tamper resistance	Susanto Junaidi Irwan; Kamesh Raghavendra;	Xage Security, Inc.;
5,052	10433115	2019-10-01	2019-01-02	Blockchain-based personal location and messenger device and system using decentralized mesh networking	Ronell Levatte; Ryan Seay;	Countia, Llc.;
5,053	10423726	2019-09-24	2018-01-10	Machine learning to integrate knowledge and natural language processing	David Bacarella; James H Barnebee, IV; Nicholas Lawrence; Sumit Patel;	International Business Machines Corporation;
5,054	10423938	2019-09-24	2017-02-13	Identifying negotiable instrument fraud using distributed ledger systems	Michael Joseph Gaeta; Alexander B Nagelberg; Joseph Matthew Doddato; Steven J Schroeder; Michael L Hertz; Hudson R Jameson; Gunjan C Vijayvergia; Bharat Prasad; Darrius M Jones;	United Services Automobile Association;
5,055	10425230	2019-09-24	2019-03-01	Identity and electronic signature verification in blockchain	Qiaochu Tang; Geoffrey Dagley; Stephen Wylie; Micah Price; Jason Hoover;	Capital One Services, LLC;
5,056	10425425	2019-09-24	2019-01-31	Monitoring actions performed by a network of peer devices using a blockchain	Miao He; Changrui Ren; Bing Shao; Yue Tong;	International Business Machines Corporation;
5,057	10425426	2019-09-24	2019-03-06	Customized view of restricted information recorded into a blockchain	Jordan Simons;	Americorp Investments LLC;
5,058	10425428	2019-09-24	2017-01-13	Verification lineage tracking and transfer control of data sets	Hema Krishnamurthy;	Guardtime Sa;
5,059	10417188	2019-09-17	2016-05-27	Method and system for transferring trust across block chain segments	David J King;	Mastercard International Incorporated;
5,060	10417217	2019-09-17	2016-12-28	Systems and methods for blockchain rule synchronization	Ryan Pierce; Ajay Madhavan; Stanislav Liberman; Mansoor Ahmed;	Chicago Mercantile Exchange Inc.;

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5,061	10417219	2019-09-17	2018-12-17	Data sharing method based on plurality of blockchains	Sungwoo Yang; Jaekyung Chon; Ik Jung Choi; Hyun Min Park; Jieun Park; Jeongsun Seo; Changhoon Kim; Hansol Seo; Namhee Kim;	Macrogen Corp.; Macrogen Corp.;
5,062	10419209	2019-09-17	2017-04-26	Parallel assurance of blockchain signatures	Phillip H Griffin; Jeffrey J Stapleton;	Wells Fargo Bank, N.a.;
5,063	10419225	2019-09-17	2017-01-30	Validating documents via blockchain	Brian Deery; Paul Snow; Mahesh Paolini-Subramanya;	Factom, Inc.;
5,064	10419446	2019-09-17	2017-07-10	End-to-end policy management for a chain of administrative domains	K Tirumaleswar Reddy; Prashanth Patil; Carlos M Pignataro; Puneeth Rao Lokapalli; Judith Ying Priest;	Cisco Technology, Inc.;
5,065	10411895	2019-09-10	2017-05-04	Creating match cohorts and exchanging protected data using blockchain	Francisco P Curbera; Yurdaer N Doganata; Maria Eleftheriou; Mark H Overman;	International Business Machines Corporation;
5,066	10411905	2019-09-10	2016-07-01	Public key infrastructure using blockchains	Ned M Smith; David W Grawrock;	Intel Corporation;
5,067	10412575	2019-09-10	2018-10-01	System and method for virtual SIM card	Donna L Polehn; Patricia R Chang; Fred Weisbrod; Corey J Christopherson;	Verizon Patent and Licensing Inc.;
5,068	10402823	2019-09-03	2018-12-30	System for exchanging private keys for mutual settlements between users of a cryptocurrency outside blockchains	Alexander Vladimirovich Vlasov; Vadim Borisovich Leonovich;	
5,069	10404454	2019-09-03	2018-05-09	Cryptographic ASIC for derivative key hierarchy	Edward L Rodriguez De Castro;	Blockchain Asics LLC;
5,070	10404455	2019-09-03	2018-08-22	Multiple-phase rewritable blockchain	Giuseppe Ateniese; Michael T Chiaramonte; David Treat;	Accenture Global Solutions Limited; Gsc Secrypt, LLC;
5,071	10404467	2019-09-03	2019-02-02	Blockchain digest augmention of media files including group-of-pictures video streams for MXF files	Tyson York Winarski;	
5,072	10404471	2019-09-03	2017-04-26	Secure ledger assurance tokenization	Phillip H Griffin; Jeffrey J Stapleton;	Wells Fargo Bank, N.a.;
5,073	10402792	2019-09-03	2015-10-30	Systems and method for tracking enterprise events using hybrid public-private blockchain ledgers	Jenny Lin; Perry Haldenby; John Jong Suk Lee; Paul Mon-Wah Chan; Orin Del Vecchio;	The Toronto-dominion Bank;
5,074	10394845	2019-08-27	2018-12-18	Method and system for tuning blockchain scalability for fast and low-cost payment and transaction processing	Vijay Madisetti; Arshdeep Bahga;	
5,075	10396997	2019-08-27	2016-12-14	Container-based operating system and method	Simon J Brady; Jonas E Bryllert; John V Delaney; Barry Hollywood; Clea A Zolotow;	International Business Machines Corporation;
5,076	10397328	2019-08-27	2017-07-03	Method and system for providing a robust blockchain with an integrated proof of storage	Jens-Matthias Bohli; Wenting Li; Ghassan Karame; Frederik Armknecht;	Nec Corporation;
5,077	10387684	2019-08-20	2016-12-09	Interlocked blockchains to increase blockchain security	James E Carey; Scott N Gerard;	International Business Machines Corporation;
5,078	10389518	2019-08-20	2017-01-27	Blockchain hash value recomputation	Liqun Chen; Stuart Haber;	Entit Software LLC;
5,079	10389749	2019-08-20	2017-12-30	Blockchain tracking of virtual universe traversal results	James R Kozloski; Clifford A Pickover; Komminist Weldemariam;	International Business Machines Corporation;
5,080	10380560	2019-08-13	2016-11-14	Enforcing multi-use constraints on a blockchain	Praveen Jayachandran; Palanivel A Kodeswaran; Sayandeep Sen;	International Business Machines Corporation;

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5,081	10380842	2019-08-13	2016-10-26	Blockchain gaming	Praveen Jayachandran;	International Business Machines Corporation;
5,082	10382205	2019-08-13	2019-02-15	Security system and method for using a blockchain service through privacy-aware blockchain arbitration server	Hajoon Ko;	
5,083	10382388	2019-08-13	2018-06-05	Determining consensus in a decentralized domain name system	Hui Li; Jiangxing Wu; Kejiao Li; Peng Yi; Fusheng Zhu; Ke Xu; Xinchun Zhang; Mengchang Chen; Han Wang; Shisheng Chen; Yiqin Lu; Yunyong Zhang; Jinwu Wei; Shengfei Li; Kedan Li; Huiyao An; Junfeng Ma; Wei Li; Minqian Pu; Kaixuan Xing;	
5,084	10382485	2019-08-13	2017-02-13	Blockchain-assisted public key infrastructure for internet of things applications	Jong Ho Won; Gregory Bollella;	Vmware, Inc.;
5,085	10372943	2019-08-06	2018-09-24	Cryptographic ASIC with combined transformation and one-way functions	Edward L Rodriguez De Castro; Sagar V Reddy;	Blockchain Asics LLC;
5,086	10373129	2019-08-06	2018-06-27	System, method and program product for generating and utilizing stable value digital assets	Daniel William Halley James; Brandon Arvanaghi; Cem Paya; Eric Winer; Cameron Howard Winklevoss; Tyler Howard Winklevoss;	Winklevoss Ip, LLC;
5,087	10373158	2019-08-06	2019-03-05	System, method and program product for modifying a supply of stable value digital asset tokens	Daniel William Halley James; Cameron Howard Winklevoss; Tyler Howard Winklevoss; Brandon Arvanaghi; Eric Neiman Winer; Stephen Judkins; Alex Parkinson;	Winklevoss Ip, LLC;
5,088	10373159	2019-08-06	2016-12-07	Concomitance of an asset and identity block of a blockchain	Ruslan Ardashev; Sloane Brakeville; Nitin Gaur; Gautham Pamu;	International Business Machines Corporation;
5,089	10375105	2019-08-06	2017-03-03	Blockchain web browser interface	James R Kozloski; Clifford A Pickover; Komminist Weldemariam;	International Business Machines Corporation;
5,090	10367645	2019-07-30	2016-10-26	Proof-of-work for smart contracts on a blockchain	Sampath Dechu; Ramachandra Kota; Pratyush Kumar;	International Business Machines Corporation;
5,091	10367796	2019-07-30	2017-01-05	Methods and apparatus for recording a change of authorization state of one or more authorization agents	Shaun Keith Blake; Stephen John Pomfret;	Cygnetise Limited;
5,092	10360191	2019-07-23	2016-10-07	Establishing overlay trust consensus for blockchain trust validation system	Konstantinos Christidis; Anna D Derbakova; Nitin Gaur; Praveen Jayachandran; Srinivasan Muralidharan;	International Business Machines Corporation;
5,093	10360495	2019-07-23	2017-12-29	Augmented reality and blockchain technology for decision augmentation systems and methods using contextual filtering and personalized program generation	Victor Chapela; Ricardo Corral Corral;	Suggestic, Inc.;
5,094	10361843	2019-07-23	2018-11-29	Native blockchain platform for improving workload mobility in telecommunication networks	Om Prakash Suthar; Ammar Rayes; Michael David Geller; Ian McDowell Campbell; Aeneas Sean Dodd-Noble;	Cisco Technology, Inc.;
5,095	10361853	2019-07-23	2016-10-12	Automated data authentication and service authorization via cryptographic keys in a private blockchain	Brandon Matthew Castagna; Kevin Ben Hicks;	Bank of America Corporation;
5,096	10361866	2019-07-23	2018-08-13	Proof of image authentication on a blockchain	Jeffrey McGregor; Craig Stack; Jason Lyons; Matthew Robben;	Truepic Inc.;
5,097	10362058	2019-07-23	2016-05-13	Secure and scalable data transfer using a hybrid blockchain-based approach	Chaoxin Hu; Kecheng Lu;	Vmware, Inc.;
5,098	10362103	2019-07-23	2017-11-30	System and method for evaluating the feasibility of introducing a new node in a blockchain infrastructure	Ramesh Chandra Soni; Sandeep Gupta; Mohan Hastak;	Zensar Technologies Limited;
5,099	10362278	2019-07-23	2018-02-03	Firearm environmental recording apparatus and system	Jason Palazzolo; Kevin Barnes;	
5,100	10355865	2019-07-16	2018-06-06	Systems and techniques for certification of trusted media data	Jason Lealand Crawforth; Michael Robert Blood;	Deeptruth, LLC;

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5,101	10355869	2019-07-16	2017-01-12	Private blockchain transaction management and termination	Jeffrey E Bisti;	International Business Machines Corporation;
5,102	10356066	2019-07-16	2017-10-05	Wrapped-up blockchain	Giuseppe Ateniese; Michael T Chiaramonte; David Treat; Bernardo Magri; Daniele Venturi;	Accenture Global Solutions Limited; Gsc Secrypt, LLC;
5,103	10356102	2019-07-16	2017-02-24	Permissions using blockchain	Ashish Sardesai; Dante J Pacella; Sonit Mahey;	Verizon Patent and Licensing Inc.;
5,104	10346406	2019-07-09	2016-03-28	Decentralized autonomous edge compute coordinated by smart contract on a blockchain	David A Booz; Jonathan D Dye; Michael J Dye; Egan F Ford;	International Business Machines Corporation;
5,105	10346815	2019-07-09	2018-09-24	System and method of distributed, self-regulating, asset-tracking cryptocurrencies	Eiland Glover; John W Reitano;	Kowala Cayman Sezc;
5,106	10346826	2019-07-09	2015-07-28	Blockchain and deep links for mobile apps	Wesley John Boudville;	
5,107	10348484	2019-07-09	2016-10-24	Method and system for fast tracking navigation of blockchains via data manipulation	David J King;	Mastercard International Incorporated;
5,108	10348487	2019-07-09	2017-07-20	Game data offloading to a blockchain	Jeffrey Bisti; Ryan Bertsche; Danielle Judka; Philip Siconolfi;	International Business Machines Corporation;
5,109	10348505	2019-07-09	2018-06-06	Systems and techniques for validation of media data	Jason Lealand Crawforth; Michael Robert Blood;	Deeptruth, LLC;
5,110	10348707	2019-07-09	2018-05-04	Rewritable blockchain	Giuseppe Ateniese; Michael T Chiaramonte; David Treat; Bernardo Magri; Daniele Venturi;	Accenture Global Solutions Limited; Gsc Secrypt, LLC;
5,111	10340038	2019-07-02	2015-05-13	Healthcare transaction validation via blockchain, systems and methods	Nicholas J Witchey;	Nant Holdingsip, LLC;
5,112	10341105	2019-07-02	2017-06-07	Blockchain-based social media history maps	Timothy Innes; Bhumit Patel; James Pratt; Eric Zavesky; Nigel Bradley;	At&t Intellectual Property I, L.p.;
5,113	10341431	2019-07-02	2018-11-05	System and method for announcing cryptographic keys on a blockchain	Keir Finlow-Bates;	
5,114	10333902	2019-06-25	2017-12-19	Data sanitization system for public host platform	David G Druker; Matthew Elsner; Ariel Farkash; Igor Gokhman; Brian R Matthiesen; Patrick R Wardrop; Ilgen B Yuceer;	International Business Machines Corporation;
5,115	10326802	2019-06-18	2018-12-04	Centrally managing data for orchestrating and managing user accounts and access control and security policies remotely across multiple devices	Susanto Junaidi Irwan; Roman M Arutyunov; Andy Sugiarto; Ganesh B Jampani; Bao Q Ngo;	Xage Security, Inc.;
5,116	10318979	2019-06-11	2016-12-26	Incentive-based crowdvoting using a blockchain	Brandon Z Frank; Joseph A Latone;	International Business Machines Corporation;
5,117	10320566	2019-06-11	2017-04-04	Distributed logging of application events in a blockchain	Pradipta K Banerjee; Pooja Kulkarni; Harshal S Patil;	International Business Machines Corporation;
5,118	10320574	2019-06-11	2017-05-05	Blockchain for open scientific research	Jae-Wook Ahn; Maria D Chang; Ravindranath Kokku; Patrick Watson;	International Business Machines Corporation;
5,119	10313360	2019-06-04	2016-03-30	PEDDaL blockchaining for document integrity verification preparation	Kelce S Wilson;	
5,120	10304062	2019-05-28	2018-03-23	Computer architecture incorporating blockchain based immutable audit ledger for compliance with data regulations	Scott Hines;	Td Professional Services, LLC;

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5,121	10305694	2019-05-28	2016-05-27	Method and system for efficient distribution of configuration data utilizing permissioned blockchain technology	Simon R Dix; Steven Charles Davis;	Mastercard International Incorporated;
5,122	10305833	2019-05-28	2017-10-03	Blockchain based email procedures	Stewart MacGregor Dennis;	Turing Technology, Inc.;
5,123	10305875	2019-05-28	2019-01-28	Hybrid blockchain	Giuseppe Ateniese; Michael T Chiaramonte; David Treat; Bernardo Magri; Daniele Venturi;	Accenture Global Solutions Limited; Gsc Secrypt, LLC;
5,124	10296248	2019-05-21	2018-08-22	Turn-control rewritable blockchain	Giuseppe Ateniese; Michael T Chiaramonte; David Treat;	Accenture Global Solutions Limited; Gsc Secrypt, LLC;
5,125	10297094	2019-05-21	2017-12-29	Challenge-response access control using context-based proof	Garrett Day; Jeffrey Pearce; David E Hamilton, Jr; Kevin Zawicki; Roger Guseman;	Guardtime IP Holdings Limited;
5,126	10298395	2019-05-21	2018-09-26	Interoperability of zero-knowledge proof enabled blockchains	Luca Schiatti; Antoine Rabenandrasana; Hugo Borne-Pons; Giuseppe Giordano;	Accenture Global Solutions Limited;
5,127	10298405	2019-05-21	2018-06-05	Hardware blockchain consensus operating procedure enforcement	Noel Vivek Ramathal; Kevin Bernard Greene;	Accenture Global Solutions Limited;
5,128	10298585	2019-05-21	2019-01-23	Blockchain interoperability	David Treat; Giuseppe Giordano; Luca Schiatti; Aspyn Cole Palatnick; Zixuan Zhang;	Accenture Global Solutions Limited;
5,129	10299113	2019-05-21	2018-11-03	Switching mobile service provider using blockchain	Ram Viswanathan; Srinivasa Raghavan Govindaswamy;	International Business Machines Corporation;
5,130	10299128	2019-05-21	2018-10-25	Securing communications for roaming user equipment (UE) using a native blockchain platform	Om Prakash Suthar; Ammar Rayes; Michael David Geller; Ian McDowell Campbell; Aeneas Sean Dodd-Noble;	Cisco Technology, Inc.;
5,131	10289631	2019-05-14	2018-08-31	Method and system for tuning blockchain scalability for fast and low-cost payment and transaction processing	Vijay K Madisetti; Arshdeep Bahga;	
5,132	10289716	2019-05-14	2017-10-31	Consistent reporting using blockchain	Tara Astigarraga; Yixin Diao; Ruchi Mahindru; Karin Murthy;	International Business Machines Corporation;
5,133	10291413	2019-05-14	2017-05-15	Hardware blockchain corrective consensus operating procedure enforcement	Noel Vivek Ramathal; Kevin Bernard Greene;	Accenture Global Solutions Limited;
5,134	10291627	2019-05-14	2016-10-17	Blockchain mining using trusted nodes	Paul Harry Gleichauf;	Arm Limited;
5,135	10282650	2019-05-07	2018-12-03	System and apparatus for encrypted data collection using RFID cards	Kevin Osborn; James Zarakas; Saleem Sangi; Jeffrey Rule;	Capital One Services, LLC;
5,136	10284654	2019-05-07	2016-09-27	Trusted vehicle telematics using blockchain data analytics	Ignacio Alvarez; Mic Bowman;	Intel Corporation;
5,137	10284533	2019-05-07	2018-03-14	Publicly readable blockchain registry of personally identifiable information breaches	Steven Cornelis Versteeg; Nathan Allin Hastings; Xien Yao; John Sinclair Bird;	Ca, Inc.;
5,138	10275739	2019-04-30	2017-01-05	Tracking assets with a blockchain	Thomas T Hanis; Bruce H Hyre; Jessica G Snyder;	International Business Machines Corporation;
5,139	10277398	2019-04-30	2017-12-12	Blockchain systems and methods for user authentication	Jonathan Weimer; Ryan Fox;	Capital One Services, LLC;
5,140	10268817	2019-04-23	2018-10-05	Methods, mediums, and systems for establishing and using security questions	Vincent Pham; Austin Grant Walters; Jeremy Edward Goodsitt; Fardin Abdi Taghi Abad; Anh Truong; Kate Key; Kenneth Taylor;	Capital One Services, LLC;

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5,141	10268974	2019-04-23	2017-11-20	System and method of a requirement, compliance and resource management	Rex Wiig; Angel Martinez;	
5,142	10261711	2019-04-16	2018-01-25	Proof of non-tampering for stored data	David Brett Pasirstein;	Merck Sharp & Dohme Corporation;
5,143	10261846	2019-04-16	2018-09-05	Storing and verifying the integrity of event related data	Damien Patton; Rish Mehta;	Banjo Corporation;
5,144	10262140	2019-04-16	2016-09-29	Methods and apparatus to facilitate blockchain-based boot tracking	Ned M Smith; Rajesh Poornachandran; Vincent J Zimmer;	Intel Corporation;
5,145	10252145	2019-04-09	2017-06-16	Smart device	Bao Tran; Ha Tran;	
5,146	10255108	2019-04-09	2016-01-26	Parallel execution of blockchain transactions	Donna Eng Dillenberger; Gong Su;	International Business Machines Corporation;
5,147	10255342	2019-04-09	2018-09-19	Method and system for tuning blockchain scalability, decentralization, and security for fast and low-cost payment and transaction processing	Vijay K Madisetti; Arshdeep Bahga;	
5,148	10255460	2019-04-09	2017-07-31	Authenticating printed paper documents and websites against a blockchain record	Kelce S Wilson;	
5,149	10256974	2019-04-09	2018-05-09	Cryptographic ASIC for key hierarchy enforcement	Edward L Rodriguez De Castro;	Blockchain Asics LLC;
5,150	10257206	2019-04-09	2016-12-21	Monitoring actions performed by a network of peer devices using a blockchain	Miao He; Changrui Ren; Bing Shao; Yue Tong;	International Business Machines Corporation;
5,151	10248783	2019-04-02	2016-10-03	Methods and systems for identity creation, verification and management	David Costa Faidella; Robert Joseph Schukai; Scott Ryan Manuel; Marco Pierleoni; Jason A Thomas;	Thomson Reuters (grc) LLC;
5,152	10249114	2019-04-02	2017-12-29	System and method for access control using context-based proof	Garrett Day; Jeffrey Pearce; David E Hamilton, Jr; Kevin Zawicki; Roger Guseman;	Guardtime IP Holdings Limited;
5,153	10249194	2019-04-02	2016-08-30	Modifying behavior of autonomous vehicle based on advanced predicted behavior analysis of nearby drivers	Thomas D Erickson; Clifford A Pickover; Aisha Walcott; Komminist Weldemariam;	International Business Machines Corporation;
5,154	10250381	2019-04-02	2018-02-22	Content validation using blockchain	Pamela Rice;	Capital One Services, LLC;
5,155	10250394	2019-04-02	2018-09-20	Cryptologic self-executing blockchain export commitment	Hugo Borne-Pons; Giuseppe Giordano; Luca Schiatti; Naima Hamouma;	Accenture Global Solutions Limited;
5,156	10250395	2019-04-02	2018-08-29	Cryptologic blockchain interoperation	Hugo Borne-Pons; Giuseppe Giordano; Luca Schiatti; Naima Hamouma;	Accenture Global Solutions Limited;
5,157	10250694	2019-04-02	2016-08-19	Maintaining distributed state among stateless service clients	Serguei Mankovskii; Steven L Greenspan; Maria Cecilia Velez Rojas;	Ca, Inc.;
5,158	10250708	2019-04-02	2018-06-14	High performance distributed system of record	David C Carver; Thomas Houman; Andrew F Champagne; Vladimir Shtokman; Patrick Alexander Deegan; Ramanath Mallikarjuna;	Akamai Technologies, Inc.;
5,159	10243731	2019-03-26	2017-12-05	Hardware blockchain acceleration	John Velissarios; Callum Stuart Hyland; Laurence Richard Freeman; Piergiorgio Rettaroli; Ennio Acernese; Pasquale Di Tucci; Salvatore Gifuni;	Accenture Global Solutions Limited;
5,160	10243743	2019-03-26	2018-09-11	Tokens or crypto currency using smart contracts and blockchains	Vijay K Madisetti; Arshdeep Bahga;	

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5,161	10243748	2019-03-26	2018-06-28	Blockchain based digital certificate provisioning of internet of things devices	Jonathan Sean Callan; Keir Finlow-Bates;	
5,162	10230526	2019-03-12	2015-12-29	Out-of-band validation of domain name system records	William Manning;	
5,163	10230530	2019-03-12	2018-08-02	Method and system for securing a blockchain with proof-of-transactions	David Begor Lancashire; Richard Michael Parris;	Proclus Technologies Limited;
5,164	10230756	2019-03-12	2016-10-21	Resisting replay attacks efficiently in a permissioned and privacy-preserving blockchain network	Elli Androulaki; Angelo De Caro; Thorsten Kramp; David W Kravitz; Alessandro Sorniotti; Marko Vukolic;	International Business Machines Corporation;
5,165	10225076	2019-03-05	2017-02-17	Splitting digital promises recorded in a blockchain	Tianqing Leng; Tianhui Leng;	
5,166	10225078	2019-03-05	2017-02-09	Managing a database management system using a blockchain database	Wyndell Love Bibera; James Arnold A Faeldon; Alexis V Pantola;	International Business Machines Corporation;
5,167	10225273	2019-03-05	2017-01-27	Secured event monitoring leveraging blockchain	Guo Qiang Li; June-Ray Lin; Ronald Williams;	International Business Machines Corporation;
5,168	10216948	2019-02-26	2017-12-27	System and method for the creation and management of decentralized authorizations for connected objects	David Leporini; Charles Piron;	Bull Sas;
5,169	10217078	2019-02-26	2018-10-17	Blockchain system and method for calculating location of time-crucial shipments according to expectation and smart contracts	Elliot Klein;	
5,170	10212145	2019-02-19	2016-10-03	Methods and systems for creating and exchanging a device specific blockchain for device authentication	David Chavez; Laurent Philonenko;	Avaya Inc.;
5,171	10204148	2019-02-12	2018-09-20	Method and system for tuning blockchain scalability, decentralization, and security for fast and low-cost payment and transaction processing	Vijay K Madisetti; Arshdeep Bahga;	
5,172	10204339	2019-02-12	2018-08-31	Method and system for blockchain-based combined identity, ownership, integrity and custody management	Vijay K Madisetti; Arshdeep Bahga;	
5,173	10204341	2019-02-12	2016-05-24	Method and system for an efficient consensus mechanism for permissioned blockchains using bloom filters and audit guarantees	Steven Charles Davis;	Mastercard International Incorporated;
5,174	10204378	2019-02-12	2017-11-14	Flexible payment services for travel and credit cards	John Matthew Wnuk;	
5,175	10195513	2019-02-05	2018-05-25	Smart device	Bao Tran; Ha Tran;	
5,176	10198949	2019-02-05	2017-04-28	Method and system for parking verification via blockchain	William Becker;	Mastercard International Incorporated;
5,177	10200196	2019-02-05	2018-05-14	Cryptographic ASIC with autonomous onboard permanent storage	Edward L Rodriguez De Castro;	Blockchain Asics LLC;
5,178	10192198	2019-01-29	2018-09-04	Tracking code generation, application, and verification using blockchain technology	Ian A Nazzari; Paul Eipper;	Huru Systems Ltd.;
5,179	10192073	2019-01-29	2018-02-01	System and method for interaction object reconciliation in a blockchain environment	Gustavo Manuel Damil Marin;	
5,180	10185550	2019-01-22	2016-09-28	Device-driven auto-recovery using multiple recovery sources	Ned M Smith; Zheng Zhang; Thiago J Macieira;	Mcafee, Inc.;

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5,181	10176308	2019-01-08	2018-02-19	Entitlement management system	Kevin Matthew Mintz; Arthur R Leinen, III; Melanie Jean Cutlan; Richard Thomas Meszaros;	Accenture Global Solutions Limited;
5,182	10176418	2019-01-08	2018-07-23	System and apparatus for encrypted data collection using RFID cards	Kevin Osborn; James Zarakas; Saleem Sangi; Jeffrey Rule;	Capital One Services, LLC;
5,183	10176481	2019-01-08	2016-12-23	Method and apparatus for managing and providing provenance of product using blockchain	Mohamed Alaa Aljawhari;	Beston Technologies Pty Ltd;
5,184	10178069	2019-01-08	2018-03-14	Systems and methods for managing top-level domain names using consortium blockchain	Hui Li; Xiangui Wang; Zhili Lin; Jiangxing Wu; Xueming Si; Kedan Li; Xin Yang; Han Wang;	Peking University Shenzhen Graduate School;
5,185	10169614	2019-01-01	2016-11-17	Container update system	Simon J Brady; Jonas E Bryllert; John V Delaney; Barry Hollywood; Gerhard H Widmayer; Clea A Zolotow;	International Business Machines Corporation;
5,186	10171248	2019-01-01	2018-03-26	Method and system blockchain variant using digital signatures	David J King;	Mastercard International Incorporated;
5,187	10171509	2019-01-01	2016-11-10	Filtering and redacting blockchain transactions	Sheehan Anderson; Binh Q Nguyen;	International Business Machines Corporation;
5,188	10171992	2019-01-01	2018-06-22	Switching mobile service provider using blockchain	Ram Viswanathan; Srinivasa Raghavan Govindaswamy;	International Business Machines Corporation;
5,189	10157295	2018-12-18	2017-10-06	System and method for file authenticity certification using blockchain network	Igor Barinov; Victor Lysenko; Serguei Beloussov; Mark Shmulevich; Stanislav Protasov;	Acronis International Gmbh;
5,190	10158479	2018-12-18	2017-12-18	Systems and methods for generating, uploading and executing code blocks within distributed network nodes	Justin Chapman; Andrew Czupek; Andrew Monks; Anthony Stevens; Arijit Das; Christopher Price; Wayne Hannaway; Zabrina Smith;	Northern Trust Corporation;
5,191	10158492	2018-12-18	2016-10-18	Blockchain-supported device location verification with digital signatures	Jeffrey Pearce;	Guardtime IP Holdings Limited;
5,192	10158527	2018-12-18	2016-10-28	Changing an existing blockchain trust configuration	Sheehan Anderson; Konstantinos Christidis; Anna D Derbakova; Nitin Gaur;	International Business Machines Corporation;
5,193	10158611	2018-12-18	2016-11-17	System for multiplexing and demultiplexing blockchain ledgers via a cryptographic hash	Brandon Matthew Castagna;	Bank of America Corporation;
5,194	10146947	2018-12-04	2018-05-17	Systems and methods for generating and maintaining immutable digital meeting records within distributed network nodes	Justin Chapman; Andrew Czupek; Andrew Monks; Anthony Stevens; Arijit Das; Wayne Hannaway; Zabrina Smith;	Northern Trust Corporation;
5,195	10135609	2018-11-20	2017-12-22	Managing a database management system using a blockchain database	Wyndell Love Bibera; James Arnold A Faeldon; Alexis V Pantola;	International Business Machines Corporation;
5,196	10135834	2018-11-20	2017-10-20	System and method of executing operations in a social network application	Timothy S Galebach; Jared Bowie; Michael Chin; Stephen H Galebach;	Social Patent LLC;
5,197	10135921	2018-11-20	2016-09-20	System and method for announcing cryptographic keys on a blockchain	Keir Finlow-Bates;	
5,198	10129269	2018-11-13	2018-04-26	Managing blockchain access to user profile information	Richard A Ford;	Forcepoint LLC;
5,199	10121025	2018-11-06	2018-02-22	Content validation using blockchain	Pamela Rice;	Capital One Services, LLC;
5,200	10121143	2018-11-06	2018-07-11	Method and system for blockchain-based combined identity, ownership, integrity and custody management	Vijay K Madisetti; Arshdeep Bahga;	

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5,201	10122661	2018-11-06	2016-07-12	Messaging systems and methods that employ a blockchain to ensure integrity of message delivery	Tal Golan;	Salesforce.com, Inc.;
5,202	10123202	2018-11-06	2017-07-11	System and method for virtual SIM card	Donna L Polehn; Patricia R Chang; Fred Weisbrod; Corey J Christopherson;	Verizon Patent and Licensing Inc.;
5,203	10121019	2018-11-06	2017-08-11	Storing differentials of files in a distributed blockchain	Christopher Edward Struttmann;	Altr Solutions, Inc.;
5,204	10114969	2018-10-30	2016-08-03	Ultra-secure blockchain-based electronic information transfer system	Jordan White Chaney; Charlie Housholder; William Krut; Christian Nimsch; Bryce Nelson Chaney;	
5,205	10114980	2018-10-30	2016-07-21	System and method for verifying data integrity using a blockchain network	Igor Barinov; Victor Lysenko; Serguei Beloussov; Mark Shmulevich; Stanislav Protasov;	Acronis International Gmbh;
5,206	10115068	2018-10-30	2017-01-24	Secure product identification and verification	Clement Vivier;	Accenture Global Solutions Limited;
5,207	10108812	2018-10-23	2017-01-27	Systems and methods for securing and disseminating time sensitive information using a blockchain	Akbar Ansari; Thomas Fay; Dominick Paniscotti;	Nasdaq, Inc.;
5,208	10108954	2018-10-23	2016-08-15	System and method for cryptographically verified data driven contracts	Tim Dunlevy; Theodore C Tanner, Jr;	Pokitdok, Inc.;
5,209	10110576	2018-10-23	2017-08-23	Distributed key secret for rewritable blockchain	Giuseppe Ateniese; Michael T Chiaramonte; David Treat; Bernardo Magri; Daniele Venturi;	Accenture Global Solutions Limited;
5,210	10102265	2018-10-16	2018-04-02	Method and system for tuning blockchain scalability for fast and low-cost payment and transaction processing	Vijay K Madisetti; Arshdeep Bahga;	
5,211	10102526	2018-10-16	2018-01-05	Method and system for blockchain-based combined identity, ownership, integrity and custody management	Vijay K Madisetti; Arshdeep Bahga;	
5,212	10103893	2018-10-16	2018-03-06	Blockchain-supported, fail-safe synchronization in a data authentication infrastructure	Andres Kroonmaa; Ahto Buldas; Jeffrey Pearce;	Guardtime IP Holdings Limited;
5,213	10095992	2018-10-09	2018-01-08	Using classified text, deep learning algorithms and blockchain to identify risk in low-frequency, high value situations, and provide early warning	Nelson E Brestoff; Jagannath Rajagopal;	Intraspexion, Inc.;
5,214	10097344	2018-10-09	2016-07-15	Method and system for partitioned blockchains and enhanced privacy for permissioned blockchains	Steven Charles Davis;	Mastercard International Incorporated;
5,215	10097356	2018-10-09	2016-07-01	Systems and methods of secure provenance for distributed transaction databases	Alex Zinder;	Nasdaq, Inc.;
5,216	10095888	2018-10-09	2018-06-04	Secure decentralized system utilizing smart contracts, a blockchain, and/or a distributed file system	Jonathan Lee; Steve Frensch; Ethan Greig; Anna-Maria Nalepa; Zheng Jian;	Capital One Services, LLC;
5,217	10091228	2018-10-02	2017-09-11	Secured event monitoring leveraging blockchain	Guo Qiang Li; June-Ray Lin; Ronald Williams;	International Business Machines Corporation;
5,218	10084607	2018-09-25	2017-09-14	Systems and methods for storing and sharing transactional data using distributed computing systems	Johan Toll; Fredrik Sjöblom;	Nasdaq Technology Ab;
5,219	10084762	2018-09-25	2016-09-01	Publicly readable blockchain registry of personally identifiable information breaches	Steven Cornelis Versteeg; Nathan Allin Hastings; Xien Yao; John Sinclair Bird;	Ca, Inc.;
5,220	10075298	2018-09-11	2017-08-11	Generation of hash values within a blockchain	Christopher Edward Struttmann;	Altr Solutions, Inc.;

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5,221	10068397	2018-09-04	2016-04-06	System and method for access control using context-based proof	Garrett Day; Jeffrey Pearce; David E Hamilton, Jr; Kevin Zawicki; Roger Guseman;	Guardtime IP Holdings Limited;
5,222	10063529	2018-08-28	2016-03-28	Secure 3D model sharing using distributed ledger	Andrea Maria Milazzo; Giuseppe Giordano; Emmanuel Viale; Luca Schiatti;	Accenture Global Solutions Limited;
5,223	10063568	2018-08-28	2018-01-24	User behavior profile in a blockchain	Richard Anthony Ford; Brandon L Swafford; Christopher Brian Shirey; Matthew P Moynahan; Richard Heath Thompson;	Forcepoint LLC;
5,224	10055446	2018-08-21	2017-06-16	Ensuring data integrity of executed transactions	Sarthak Pattanaik; Vadim Pertsovskiy;	The Bank of New York Mellon Corporation;
5,225	10046228	2018-08-14	2017-05-12	Smart device	Bao Tran; Ha Tran;	
5,226	10044369	2018-08-07	2018-03-16	Interleaved codes for dynamic sizeable headers	Luis Gerardo Paris; Michael Patrick Mackey;	Centri Technology, Inc.;
5,227	10022613	2018-07-17	2017-05-12	Smart device	Bao Tran; Ha Tran;	
5,228	10026082	2018-07-17	2015-05-21	Method and system for linkage of blockchain-based assets to fiat currency accounts	Steven Charles Davis;	Mastercard International Incorporated;
5,229	10013573	2018-07-03	2015-12-16	Personal ledger blockchain	Donna N Dillenberger;	International Business Machines Corporation;
5,230	10007913	2018-06-26	2016-05-04	Identity management service using a blockchain providing identity transactions between devices	Armin Ebrahimi;	Shocard, Inc.;
5,231	9998286	2018-06-12	2017-05-15	Hardware blockchain consensus operating procedure enforcement	Noel Vivek Ramathal; Kevin Bernard Greene;	Accenture Global Solutions Limited;
5,232	9990504	2018-06-05	2017-12-18	Systems and methods for generating and maintaining immutable digital meeting records within distributed network nodes	Justin Chapman; Andrew Czupek; Andrew Monks; Anthony Stevens; Arijit Das; Wayne Hannaway; Zabrina Smith;	Northern Trust Corporation;
5,233	9992022	2018-06-05	2017-12-18	Systems and methods for digital identity management and permission controls within distributed network nodes	Justin Chapman; Andrew Czupek; Andrew Monks; Anthony Stevens; Ariji Das; Christopher Price; Wayne Hannaway; Zabrina Smith;	Northern Trust Corporation;
5,234	9979718	2018-05-22	2016-05-11	System for managing security and access to resource sub-components	Manu Jacob Kurian;	Bank of America Corporation;
5,235	9967088	2018-05-08	2017-05-16	Rewritable blockchain	Giuseppe Ateniese; Michael T Chiaramonte; David Treat; Bernardo Magri; Daniele Venturi;	Accenture Global Solutions Limited;
5,236	9967096	2018-05-08	2017-05-16	Rewritable blockchain	Giuseppe Ateniese; Michael T Chiaramonte; David Treat; Bernardo Magri; Daniele Venturi;	Accenture Global Solutions Limited;
5,237	9959065	2018-05-01	2017-10-05	Hybrid blockchain	Giuseppe Ateniese; Michael T Chiaramonte; David Treat; Bernardo Magri; Daniele Venturi;	Accenture Global Solutions Limited; Gsc Secrypt, LLC;
5,238	9953281	2018-04-24	2017-05-22	System and method of a requirement, compliance and resource management	Rex Wiig; Angel Martinez;	
5,239	9948467	2018-04-17	2015-12-21	Method and system for blockchain variant using digital signatures	David J King;	Mastercard International Incorporated;
5,240	9934138	2018-04-03	2016-12-07	Application testing on a blockchain	Vijay Kumar Ananthapur Bache; Jhilam Bera; Arvind Kumar; Bidhu Sahoo;	International Business Machines Corporation;

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5,241	9882918	2018-01-30	2017-09-29	User behavior profile in a blockchain	Richard Anthony Ford; Brandon L Swafford; Christopher Brian Shirey; Matthew P Moynahan; Richard Heath Thompson;	Forcepoint LLC;
5,242	9876775	2018-01-23	2015-03-27	Generalized entity network translation (GENT)	Timothy Mossbarger;	Ent Technologies, Inc.;
5,243	9870508	2018-01-16	2017-06-01	Securely authenticating a recording file from initial collection through post-production and distribution	Roderick Neil Hodgson; Shamir Allibhai;	Unveiled Labs, Inc.;
5,244	9870562	2018-01-16	2015-05-21	Method and system for integration of market exchange and issuer processing for blockchain-based transactions	Steven Charles Davis; Ashish Raghavendra Tetali;	Mastercard International Incorporated;
5,245	9870591	2018-01-16	2016-12-21	Distributed electronic document review in a blockchain system and computerized scoring based on textual and visual feedback	Shahid N Shah;	Netspective Communications LLC;
5,246	9849364	2017-12-26	2017-05-03	Smart device	Bao Tran; Ha Tran;	
5,247	9853819	2017-12-26	2016-10-17	Blockchain-supported, node ID-augmented digital record signature method	Ahto Truu; Andres Kroonmaa; Michael Gault; Jeffrey Pearce;	Guardtime IP Holdings Limited;
5,248	9836908	2017-12-05	2015-08-06	System and method for securely receiving and counting votes in an election	Nikolaos Spanos; Andrew R Martin; Eric T Dixon;	
5,249	9807106	2017-10-31	2016-07-29	Mitigating blockchain attack	Joshua Daniel; Gery Ducatel; Theo Dimitrakos;	British Telecommunications Public Limited Company;
5,250	9792101	2017-10-17	2015-11-10	Capacity and automated de-install of linket mobile apps with deep links	Wesley John Boudville;	
5,251	9794074	2017-10-17	2017-02-03	Systems and methods for storing and sharing transactional data using distributed computing systems	Johan Toll; Fredrik Sjöblom;	Nasdaq Technology Ab;
5,252	9785369	2017-10-10	2017-05-16	Multiple-link blockchain	Giuseppe Ateniese; Michael T Chiaramonte; David Treat; Bernardo Magri; Daniele Venturi;	Accenture Global Solutions Limited; Gsc Secrypt, LLC;
5,253	9774578	2017-09-26	2017-05-16	Distributed key secret for rewritable blockchain	Giuseppe Ateniese; Michael T Chiaramonte; David Treat; Bernardo Magri; Daniele Venturi;	Accenture Global Solutions Limited; Gsc Secrypt, LLC;
5,254	9722790	2017-08-01	2016-05-04	Identity management service using a blockchain providing certifying transactions between devices	Armin Ebrahimi;	Shocard, Inc.;
5,255	9635000	2017-04-25	2016-05-25	Blockchain identity management system based on public identities ledger	Sead Muftic;	
5,256	9608829	2017-03-28	2015-07-24	System and method for creating a multi-branched blockchain with configurable protocol rules	Nikolaos Spanos; Andrew R Martin; Eric T Dixon; Asterios Steven Geros;	
5,257	9569771	2017-02-14	2016-06-06	Method and system for storage and retrieval of blockchain blocks using galois fields	Stephen Lesavich; Zachary C Lesavich;	

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INVENTORS

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2	Honglin Qiu	Hangzhou, CN	77
3	Jaime Skaggs	Chenoa, IL (US)	59
4	Shawn M Call	Bloomington, IL (US)	55
5	Nitin Gaur	Round Rock, TX (US)	51
6	Haizhen Zhuo	Hangzhou, CN	49
7	Xinying Yang	Hangzhou, CN	48
8	Eric Bellas	Bloomington, IL (US)	43
9	Vicki King	Bloomington, IL (US)	43
10	Wenbin Zhang	Zhejiang, CN	41
11	Petr Novotny	Mount Kisco, NY (US)	41
12	William J Leise	Normal, IL (US)	38
13	Jacob J Alt	Downs, IL (US)	37
14	Prithvi Krishnan Padmanabhan	San Ramon, CA (US)	37
15	Melinda Teresa Magerkurth	Utica, IL (US)	37
16	Eric R Moore	Heyworth, IL (US)	36
17	Zhiguo Li	Hangzhou, CN	36
18	Yanpeng Li	Hangzhou, CN	36
19	Benquan Yu	Hangzhou, CN	35
20	Stacie A McCullough	Bloomington, IL (US)	34
21	Stephane Savanah	London, GB	34
22	Paul Snow	Austin, TX (US)	33
23	Vijay Madisetti	Johns Creek, GA (US)	33
24	Arshdeep Bahga	Chandigarh, IN	33
25	Stephane Vincent	Luxembourg, LU	31
26	Jeronimo Irazabal	Roque Perez, AR	31
27	Douglas A Graff	Mountain View, MO (US)	30
28	Baoli Ma	Zhejiang, CN	30
29	Praveen Jayachandran	Bengaluru, IN	30
30	Steven C Davis	Saint Peters, MO (US)	30
31	Ying Yan	Hangzhou, CN	30
32	Long Cheng	Hangzhou, CN	29
33	Lichun Li	Hangzhou, CN	29
34	Ankur Arora	New Delhi, IN	28
35	Daniel Joseph	London, GB	28
36	Joon Sun Uhr	Gyeonggi-do, KR	28
37	Jay Wu Hong	Seoul, KR	28
38	Simone Madeo	London, GB	26
39	Silvia Bartolucci	London, GB	26
40	Zhonghao Lu	Hangzhou, CN	26
41	Chandan Garg	Haryana, IN	25
42	Changzheng Wei	Hangzhou, CN	25
43	Zheng Liu	Hangzhou, CN	25
44	Patrick Motylinski	London, GB	24
45	Ned M Smith	Beaverton, OR (US)	24
46	Shubo Li	Hangzhou, CN	24
47	Renhui Yang	Hangzhou, CN	24
48	Xuebing Yan	Hangzhou, CN	24
49	Phillip H Griffin	Raleigh, NC (US)	23
50	Xuming Lu	Hangzhou, CN	23
51	Shan Yin	Hangzhou, CN	23
52	Dulce B Ponceleon	Palo Alto, CA (US)	22
53	Ning Xia	Hangzhou, CN	22
54	Guilu Xie	Hangzhou, CN	22
55	Ghassan Karame	Heidelberg, DE	21
56	Hao Wu	Chengdu, CN	21
57	Qi Zhang	West Harrison, NY (US)	21
58	Jaipal Singh Kumawat	Rajasthan, IN	20
59	Komminist Weldemariam	Nairobi, KE	20
60	Thomas Marshall Gordon, III	Raleigh, NC (US)	20
61	Fuxi Deng	Zhejiang, CN	19
62	Austin Walters	Columbia, TN (US)	19
63	Yuan Chen	Hangzhou, CN	19
64	Jiyuan Wang	Hangzhou, CN	19
65	David Treat	Ridgefield, CT (US)	19
66	Huabing Du	Hangzhou, CN	19
67	Joseph Benjamin Castinado	North Glenn, CO (US)	18
68	Jeffrey J Stapleton	O'Fallon, MO (US)	18
69	Matthew L Floyd	Alpharetta, GA (US)	18
70	Jeremy Edward Goodsitt	Champaign, IL (US)	18
71	Cameron Howard Winklevoss	New York, NY (US)	18
72	Tyler Howard Winklevoss	New York, NY (US)	18
73	Krishna Chaitanya Ratakonda	Yorktown Heights, NY (US)	18
74	Yuan Zhang	Hangzhou, CN	18
75	Yize Li	Hangzhou, CN	18
76	Yacov Manevich	Haifa, IL	17
77	Bao Tran	Saratoga, CA (US)	17
78	Pauline Bernat	London, GB	17
79	Jordan Simons	Denver, CO (US)	17
80	Joo Han Song	Gyeonggi-do, KR	17
81	Rubing Shi	Hangzhou, CN	17
82	Tyson York Winarski	Mountain View, CA (US)	16
83	Maocai Li	Shenzhen, CN	16
84	Giuseppe Destefanis	London, GB	16
85	He Sun	Hangzhou, CN	16
86	Jiawei Liu	Hangzhou, CN	16
87	Yedendra Shrinivasan	Yorktown Heights, NY (US)	15
88	Clifford A Pickover	Yorktown Heights, NY (US)	15
89	David C Carver	Lexington, MA (US)	15
90	Gregory Frederick Bush	Cary, NC (US)	15

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#	Name	Location	Patents
91	Angelo De Caro	Zürich, CH	15
92	Kohichi Kamijoh	Tokyo, JP	15
93	Jiang Wang	Hangzhou, CN	15
94	Chao Zeng	Hangzhou, CN	15
95	Ha Tran	Saratoga, CA (US)	15
96	Giuseppe Giordano	Juan-les-Pins, FR	15
97	Luca Schiatti	Juan-les-Pins, FR	15
98	Elli Androulaki	Zürich, CH	14
99	Lyle Walter Paczkowski	Mission Hills, KS (US)	14
100	Abhijit Keskar	Pune, IN	14
101	John Fletcher	Cambridge, GB	14
102	Andras L Ferenczi	Peoria, AZ (US)	14
103	Jude Nelson	New Brunswick, NJ (US)	14
104	Daniel William Halley James	Brooklyn, NY (US)	14
105	Pralhad D Deshpande	Singapore, SG	14
106	Giuseppe Ateniese	Hoboken, NJ (US)	14
107	Zhiyuan Feng	Hangzhou, CN	14
108	Yayang Guan	Hangzhou, CN	14
109	Dean Kramer	London, GB	13
110	Ajith Thekadath	San Ramon, CA (US)	13
111	Alexandra Covaci	London, GB	13
112	Roman Vaculin	Bronxville, NY (US)	13
113	Luis Angel D Bathen	Placentia, CA (US)	13
114	Hui Zhang	Hangzhou, CN	13
115	Yujun Peng	Hangzhou, CN	13
116	Manu Kurian	Dallas, TX (US)	13
117	Suki Ramasamy	Chennai, IN	13
118	Yirong Yu	Hangzhou, CN	13
119	Zongyou Wang	Shenzhen, CN	12
120	Hu Lan	Shenzhen, CN	12
121	Saswata Basu	Cupertino, CA (US)	12
122	Joseph W Forbes, Jr	Raleigh, NC (US)	12
123	Bharat Prasad	San Antonio, TX (US)	12
124	Aaron Blankstein	Chicago, IL (US)	12
125	Anthony McCoy	Normal, IL (US)	12
126	Wendy H Clayton	Franklin, TN (US)	12
127	Kim E Flesher	Normal, IL (US)	12
128	Travis Charles Runge	Heyworth, IL (US)	12
129	Fardin Abdi Taghi Abad	Champaign, IL (US)	12
130	Konstantinos Christidis	Raleigh, NC (US)	12
131	Venkatraman Ramakrishna	Bengaluru, IN	12
132	Eric Neiman Winer	New York, NY (US)	12
133	Dayi Yang	Hangzhou, CN	12
134	Donna N Dillenberger	Yorktown Heights, NY (US)	12
135	Wenyuan Yan	Hangzhou, CN	12

#	Name	Location	Patents
136	Keir Finlow-Bates	Kangasala, FI	12
137	Michael T Chiaramonte	New York, NY (US)	12
138	Artem Barger	Haifa, IL	11
139	Ying Chan	Cambridge, GB	11
140	Shigeru Fujimura	Yokosuka, JP	11
141	Pankaj Satyanarayan Dayama	Bengaluru, IN	11
142	James R Kozloski	New Fairfield, CT (US)	11
143	Alessandro Sorniotti	Rueschlikon, CH	11
144	Thomas Trevethan	London, GB	11
145	Quan Wang	Foster City, CA (US)	11
146	Ge Jin	Hangzhou, CN	11
147	Jason Lealand Crawforth	Boise, ID (US)	11
148	Wenting Li	Heidelberg, DE	11
149	Vincent Pham	Champaign, IL (US)	11
150	Ramani R Routray	San Jose, CA (US)	11
151	Diego A Masini	La Plata, AR	11
152	Victor Bovee Dods	Seattle, WA (US)	11
153	Benjamin James Taylor	Las Vegas, NV (US)	11
154	Hiroaki Nakamura	Tokyo, JP	11
155	Andres Garagiola	Baradero, AR	11
156	Brandon Arvanaghi	New York, NY (US)	11
157	Bernardo Magri	Rome, IT	11
158	Daniele Venturi	Rome, IT	11
159	Joshua Daniel	London, GB	11
160	Danqing Hu	Hangzhou, CN	11
161	Husen Wang	Hangzhou, CN	11
162	Ning Li	Hangzhou, CN	11
163	Suman Mukherjee	Foster City, CA (US)	10
164	Atsushi Nakadaira	Yokosuka, JP	10
165	Aditya Koduri	Haryana, IN	10
166	Burton J Floyd	Mackinaw, IL (US)	10
167	David Turrentine	Normal, IL (US)	10
168	Steven T Olson	Bloomington, IL (US)	10
169	Timothy Caleb Wells	Bloomington, IL (US)	10
170	Corin Rebekah Chapman	Bloomington, IL (US)	10
171	Edward W Breitweiser	Bloomington, IL (US)	10
172	Robert Gomez	Bloomington, IL (US)	10
173	Shelia Cummings Smith	Bloomington, IL (US)	10
174	Michael Robert Blood	Boise, ID (US)	10
175	Harish R Naik	Phoenix, AZ (US)	10
176	Qin Liu	Zhejiang, CN	10
177	John Linden	Sherman Oaks, CA (US)	10
178	Gennaro A Cuomo	Durham, NC (US)	10
179	Gabor Madl	San Jose, CA (US)	10
180	Christopher Andon	Portland, OR (US)	10

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181	Hien Tommy Pham	Beaverton, OR (US)	10
182	Ashish Jagmohan	Irvington, NY (US)	10
183	Michael Nolan	Maynooth, IE	10
184	Diogo Monica	San Francisco, CA (US)	10
185	Nathan P McCauley	San Francisco, CA (US)	10
186	Riyaz D Faizullabhoy	Los Altos, CA (US)	10
187	Hugo Borne-Pons	Antibes, FR	10
188	Ashish Kundu	Yorktown Heights, NY (US)	10
189	Hui Fang	Hangzhou, CN	10
190	Zhen Sun	Hangzhou, CN	10
191	Shifeng Wang	Hanzhou, CN	10
192	Jeffrey Rule	Chevy Chase, MD (US)	9
193	Rui Guo	Shenzhen, CN	9
194	Li Kong	Shenzhen, CN	9
195	Zhenzhong Meng	Hangzhou, CN	9
196	Krishnaprasad Lingadahalli Shastry	Bengaluru, IN	9
197	Ahmad Arash Obaidi	Issaquah, WA (US)	9
198	Ashish Sardesai	Ashburn, VA (US)	9
199	Dante J Pacella	Charles Town, WV (US)	9
200	Rakesh Yadav	Cape Elizabeth, ME (US)	9
201	Yixiang Zhang	Zhejiang, CN	9
202	Junichiro Soeda	Nara, JP	9
203	Venkata Siva Vijayendra Bhamidipati	Milpitas, CA (US)	9
204	Michael Chan	Cupertino, CA (US)	9
205	Arpit Jain	Milpitas, CA (US)	9
206	Alvin Hon-Wai Yu	Johns Creek, GA (US)	9
207	Antwuan Murphy	Riverdale, GA (US)	9
208	Brittney Benzio	Atlanta, GA (US)	9
209	Lindsi Brantley	Atlanta, GA (US)	9
210	Matthew S Delaney	Alpharetta, GA (US)	9
211	Matthew Vulich	Marietta, GA (US)	9
212	Matthew S Rodriguez	Dunwoody, GA (US)	9
213	Neha Goel	Atlanta, GA (US)	9
214	Sabrina Collins	Woodstock, GA (US)	9
215	Annie Pudlo Murillo	Roswell, GA (US)	9
216	Anh Truong	Champaign, IL (US)	9
217	Sathyanarayanan Manamohan	Karnataka, IN	9
218	Takaaki Tateishi	Yamato, JP	9
219	Thomas Fay	Succasunna, NJ (US)	9
220	Sergio Pinzon Gonzales, Jr	San Jose, CA (US)	9
221	Armin Ebrahimi	Los Gatos, CA (US)	9
222	Boaz Avital	San Francisco, CA (US)	9
223	Manoj Saxena	Austin, TX (US)	9
224	Matthew Sanchez	Austin, TX (US)	9
225	Richard Knuszka	Hampshire, GB	9

#	Name	Location	Patents
226	Om Prakash Suthar	Bolingbrook, IL (US)	9
227	Gunjan C Vijayvergia	San Antonio, TX (US)	9
228	Guojun Ye	Zhejiang, CN	9
229	Yuan Yuan	Singapore, SG	9
230	Wenlong Yang	Hangzhou, CN	9
231	Serguei Beloussov	Costa del Sol, SG	9
232	Stanislav Protasov	Moscow, RU	9
233	Shengjiao Cao	Hangzhou, CN	9
234	Yuqi Lin	Hangzhou, CN	9
235	Edward L Rodriguez De Castro	San Francisco, CA (US)	9
236	Vinayaka Pandit	Bengaluru, IN	8
237	H Anthony DeRosa-Grund	Magnolia, TX (US)	8
238	Michal Knas	Monson, MA (US)	8
239	Jiby John	Suffield, CT (US)	8
240	Krzysztof Gibadlo	Springfield, MA (US)	8
241	Eric Couillard	New York, NY (US)	8
242	Thomas P Hardjono	Winchester, MA (US)	8
243	Nicholas J Witchey	Laguna Hills, CA (US)	8
244	Mahdi Zamani	Palo Alto, CA (US)	8
245	Martin Sewell	London, GB	8
246	Jonathan Miles Collin Rosenoer	Westport, CT (US)	8
247	Haitao Tu	Shenzhen, CN	8
248	Timothy Olson	Port Orchard, WA (US)	8
249	Jason Karl Yellick	Raleigh, NC (US)	8
250	Derek A Chamorro	Austin, TX (US)	8
251	Shikhar Kwatra	San Jose, CA (US)	8
252	Dominick Paniscotti	Totowa, NJ (US)	8
253	Yi Li	Hangzhou, CN	8
254	Todd Jeffery Little	Palatine, IL (US)	8
255	Charles Howard Cella	Pembroke, MA (US)	8
256	Sachiko Yoshihama	Kawasaki, JP	8
257	Jun Yan	Palo Alto, CA (US)	8
258	Kenneth Taylor	Champaign, IL (US)	8
259	Xiaojun Liao	Zhejiang, CN	8
260	Wei Xiao	Beijing, CN	8
261	Marc Edward Mercuri	Bothell, WA (US)	8
262	Qi Liu	Hangzhou, CN	8
263	Leonid Alekseyev	San Francisco, CA (US)	8
264	Emanuele Ragnoli	Mulhuddart, IE	8
265	Stephan Cunningham	Pasadena, CA (US)	8
266	Salman Abdul Baset	New York, NY (US)	8
267	Zongru Zhan	Hangzhou, CN	8
268	Hudson R Jameson	Aubrey, TX (US)	8
269	Davide Carboni	London, GB	8
270	John C Checco	Stony Point, NY (US)	8

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#	Name	Location	Patents
271	Wenyu Yang	Hangzhou, CN	8
272	Shanlu Sun	Hangzhou, CN	8
273	Abilash Soundararajan	Bengaluru, IN	8
274	Michael Reid Tennefoss	Santa Clara, CA (US)	8
275	James Zarakas	Centerville, VA (US)	8
276	Richard A Ford	Austin, TX (US)	8
277	Anna D Derbakova	Durham, NC (US)	8
278	Xiaohu Chen	Mountain View, CA (US)	8
279	Stephen J Todd	Center Conway, NH (US)	8
280	Kyu Sang Lee	Seoul, KR	8
281	Shikun Tian	Hangzhou, CN	8
282	Sayandeep Sen	Bengaluru, IN	8
283	Palanivel Andiappan Kodeswaran	Bengaluru, IN	8
284	Pouria Assadipour	Burnaby, CA	8
285	Andrew Batey	Vancouver, CA	8
286	Weitao Yang	Hangzhou, CN	8
287	Xueqing Yang	Hangzhou, CN	8
288	Longsheng Qing	Hangzhou, CN	8
289	Yu Chu	Hangzhou, CN	8
290	Liam Harpur	Mulhuddart, IE	8
291	Qiang Tang	Hangzhou, CN	8
292	Peng Lin	Hangzhou, CN	8
293	Akihito Akutsu	Yokosuka, JP	7
294	Junichi Kishigami	Muroran, JP	7
295	Kevin Lupowitz	New York, NY (US)	7
296	Brian Bruce	Glen Rock, NJ (US)	7
297	Joe Grastara	Toms River, NJ (US)	7
298	Shyam Tummala	Bloomington, IL (US)	7
299	Andrew Kaizer	Arlington, VA (US)	7
300	Swapneel Sheth	Fairfax, VA (US)	7
301	Gavin Allen	London, GB	7
302	Michael Christopher Hearn	Zurich, CH	7
303	Qurratul Ain Shams Asari	London, GB	7
304	Thomas Howard Austin	San Jose, CA (US)	7
305	Qing Qin	Shenzhen, CN	7
306	Jianjun Zhang	Shenzhen, CN	7
307	Sri Naga Deepthi Velisetti	Dublin, CA (US)	7
308	Vishesh Garg	Bengaluru, IN	7
309	James Kempf	Mountain View, CA (US)	7
310	Rudy Koch	Sammamish, WA (US)	7
311	Jerry Perullo	Atlanta, GA (US)	7
312	Sarbajit K Rakshit	Kolkata, IN	7
313	Adam Vukich	Alexandria, VA (US)	7
314	Yuji Unagami	Osaka, JP	7
315	Akira Tanaka	Osaka, JP	7

#	Name	Location	Patents
316	Reza Farivar	Champaign, IL (US)	7
317	Hiroki Watanabe	Yokosuka, JP	7
318	Edward Wu	San Mateo, CA (US)	7
319	Guy Gal	San Francisco, CA (US)	7
320	Christopher Dzoba	San Francisco, CA (US)	7
321	Jeffrey Judkins	Richmond, CA (US)	7
322	Mark J Stefik	Portola Valley, CA (US)	7
323	Adriano Castro	San Francisco, CA (US)	7
324	Ramesh Gopinath	Millwood, NY (US)	7
325	Hong Zhang	Zhejiang, CN	7
326	Carlos M Pignataro	Cary, NC (US)	7
327	Dushyant K Behl	Bengaluru, IN	7
328	Guofei Jiang	Hangzhou, CN	7
329	Muhammad Tayyab Asif	Singapore, SG	7
330	Rishi Saket	Bengaluru, IN	7
331	Jennifer Rutley	Springfield, MA (US)	7
332	Abigail Jennings O'Malley	Brighton, MA (US)	7
333	Nilesh Yashavant Jadhav	Phoenix, AZ (US)	7
334	Minya Liang	Redmond, WA (US)	7
335	Nimish Purohit	Las Vegas, NV (US)	7
336	Andrew F Champagne	Ware, MA (US)	7
337	Stephen Judkins	Portland, OR (US)	7
338	Alex Parkinson	Portland, OR (US)	7
339	Sasidhar Purushothaman	Hyderabad, IN	7
340	Pengfei Wu	Shanghai, CN	7
341	Hui Xie	Shanghai, CN	7
342	Haitao Jiang	Hangzhou, CN	7
343	Linqing Wang	Hangzhou, CN	7
344	Lei Yang	Hangzhou, CN	7
345	Senthilnathan Natarajan	Bengaluru, IN	7
346	Kevin L Miller	Gainesville, FL (US)	7
347	Gery Ducatel	London, GB	7
348	Justin Chapman	London, GB	7
349	Andrew Czupek	Chicago, IL (US)	7
350	Andrew Monks	Chicago, IL (US)	7
351	Anthony Stevens	Herefordshire, GB	7
352	Wayne Hannaway	Westclif-on-Sea, GB	7
353	Zabrina Smith	London, GB	7
354	Jonathan Dunne	Dungarvan, IE	7
355	Kailai Shao	Hanzghou, CN	7
356	Boran Zhao	Hangzhou, CN	7
357	Xuyang Song	Hangzhou, CN	7
358	Jeffrey E Bisti	Poughkeepsie, NY (US)	7
359	Aeneas Sean Dodd-Noble	Andover, MA (US)	7
360	Michael David Geller	Weston, FL (US)	7

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#	Name	Location	Patents
361	Ian McDowell Campbell	Littleton, CO (US)	7
362	Shishir Singh	New York, NY (US)	6
363	Timothy P Tidwell	San Mateo, CA (US)	6
364	Pan Liu	Shenzhen, CN	6
365	Jeffrey Bosworth	Flower Mound, TX (US)	6
366	Shreya Mittal	Delhi, IN	6
367	Rakesh Patel	Haryana, IN	6
368	Lokesh Awasthy	Santa Clara, CA (US)	6
369	Serban Simu	Berkeley, CA (US)	6
370	Michelle Munson	Berkeley, CA (US)	6
371	Christine Hennebert	La Tronche, FR	6
372	Vladimir Tkach	Kefar Yona, IL	6
373	Venkata Josyula	Ashburn, VA (US)	6
374	Mani Tadayon	Leesburg, VA (US)	6
375	Shuvam Sengupta	Haryana, IN	6
376	Rick Ferry	Springfield, MA (US)	6
377	Sathish B Muthukrishnan	Phoenix, AZ (US)	6
378	Krishnasuri Narayanam	Bengaluru, IN	6
379	Mao Cai Li	Shenzhen, CN	6
380	Zong You Wang	Shenzhen, CN	6
381	Nanjangud Chandrasekhara Swamy Narendra	Bengaluru, IN	6
382	Rui Chen	Zhejiang, CN	6
383	Charles Gabriel Neale Dalton	San Jose, CA (US)	6
384	James A Thomason	Las Vegas, NV (US)	6
385	Gari Singh	Wilmington, MA (US)	6
386	Yohei Ueda	Tokyo, JP	6
387	Abhishek Malvankar	White Plains, NY (US)	6
388	Ramesh Vijayaraghavan	Mason, OH (US)	6
389	Monique Jeanne Morrow	Zurich, CH	6
390	Matthew Davis	Portland, OR (US)	6
391	Jeremy Schroeder	Tigard, OR (US)	6
392	Dan Kikinis	Los Altos, CA (US)	6
393	Jessica Lee	Edison, NJ (US)	6
394	Jun Morimura	Tokyo, JP	6
395	Rajesh Poornachandran	Portland, OR (US)	6
396	Chander Govindarajan	Bengaluru, IN	6
397	Akbar Ansari	Hopkinton, MA (US)	6
398	Ian Holsman	Minneapolis, MN (US)	6
399	Feng Lin	Hangzhou, CN	6
400	Steven M Casey	Littleton, CO (US)	6
401	Kevin M McBride	Lone Tree, CO (US)	6
402	Stephen Opferman	Denver, CO (US)	6
403	Alexander Nagelberg	San Antonio, TX (US)	6
404	Shahid N Shah	Silver Spring, MD (US)	6
405	Mark Kelly	Leixlip, IE	6

#	Name	Location	Patents
406	Dallas L Gale	Scottsdale, AZ (US)	6
407	Thomas Bret Buckingham	Fair Oaks Ranch, TX (US)	6
408	Cameron Thacker	Sherman Oaks, CA (US)	6
409	Jisoo Lee	Chesterfield, NJ (US)	6
410	William August Stahlhut	The Colony, TX (US)	6
411	Brad Romano	Furlong, PA (US)	6
412	Patrick N Lawrence	Pensacola, FL (US)	6
413	Lekha Ananthakrishnan	Charlotte, NC (US)	6
414	Ping Dai	Hangzhou, CN	6
415	Kevin Osborn	Newton Highlands, MA (US)	6
416	Saleem Sangi	Arlington, VA (US)	6
417	Assaf Natanzon	Tel Aviv, IL	6
418	Jun Tae Kim	Seoul, KR	6
419	Benedict Ow	Las Vegas, NV (US)	6
420	Richard Stiles	Las Vegas, NV (US)	6
421	Anthony Tan	Las Vegas, NV (US)	6
422	Srinath Suresh Setty	Redmond, WA (US)	6
423	Ramarathnam Venkatesan	Redmond, WA (US)	6
424	Uri Klarman	Evanston, IL (US)	6
425	Aleksandar Kuzmanovic	Evanston, IL (US)	6
426	Hui Zhou	Hangzhou, CN	6
427	June-Ray Lin	Taipei, TW	6
428	Xu Wang	Hangzhou, CN	6
429	Steven J Schroeder	Oak Point, TX (US)	6
430	Ching-Yun Chao	Austin, TX (US)	6
431	Shunichi Amano	Katsushika, JP	6
432	John Velissarios	London, GB	6
433	Arijit Das	Naperville, IL (US)	6
434	Lindong Liu	Hangzhou, CN	6
435	Li Lin	Beijing, CN	6
436	Jeremy R Fox	Georgetown, TX (US)	6
437	Karthik Nandakumar	Singapore, SG	6
438	Kapil Kumar Singh	Cary, NC (US)	6
439	Suresh N Chari	Yorktown Heights, NY (US)	6
440	Susanto Junaidi Irwan	San Francisco, CA (US)	6
441	David J King	Guildford, GB	6
442	Ammar Rayes	San Ramon, CA (US)	6
443	Jeffrey Pearce	Hilo, HI (US)	6
444	Pramita Mitra	West Bloomfield, MI (US)	5
445	Eduardo Andrade	Dublin, IE	5
446	Yifang Shi	Shenzhen, CN	5
447	Srinivas Kumar	Cupertino, CA (US)	5
448	Atul Gupta	Sunnyvale, CA (US)	5
449	Ruslan Ulanov	Dublin, CA (US)	5
450	Shreya Uchil	Millbrae, CA (US)	5

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#	Name	Location	Patents
451	Edgar A Zamora Duran	Heredia, CR	5
452	Sanjaya Kulkarni	Edison, NJ (US)	5
453	Sanjay Deshpande	East Brunswick, NJ (US)	5
454	Patrick Soon-Shiong	Los Angeles, CA (US)	5
455	Gaurav Khot	Cupertino, CA (US)	5
456	Alon Lelcuk	Ramot Meir, IL	5
457	Mondo Jacobs	San Ramon, CA (US)	5
458	Kaiban Zhou	Shenzhen, CN	5
459	Changqing Yang	Shenzhen, CN	5
460	Jun Liang	Shenzhen, CN	5
461	Qi Zhao	Shenzhen, CN	5
462	Eric Diehl	Culver City, CA (US)	5
463	Kush R Varshney	Yorktown Heights, NY (US)	5
464	Nelson K Bore	Nairobi, KE	5
465	Abhishek Singh	New Delhi, IN	5
466	Lei Yu	Sleepy Hollow, NY (US)	5
467	Bram Cohen	San Francisco, CA (US)	5
468	Martin Anton Oberhofer	Sindelfingen, DE	5
469	Meeta Vouk	Cary, NC (US)	5
470	Tatsushi Inagaki	Yokohama, JP	5
471	Robert Bernardi	Mclean, VA (US)	5
472	Brian Mark Fields	Phoenix, AZ (US)	5
473	Lee Marvin John Assam	El Paso, IL (US)	5
474	Ashok Srinivasa Murthy	Fremont, CA (US)	5
475	Kenta Shinohara	Musashino, JP	5
476	Yi-Min Chee	Yorktown Heights, NY (US)	5
477	Brent Fosdick	Fort Collins, CO (US)	5
478	Ajay Ashok Deshpande	White Plains, NY (US)	5
479	Pavithra Harsha	White Plains, NY (US)	5
480	Ali Koc	White Plains, NY (US)	5
481	Brian Deery	Austin, TX (US)	5
482	Mahesh Paolini-Subramanya	Austin, TX (US)	5
483	William Jack	Cambridge, MA (US)	5
484	Constanza Maria Heath	Cannon Beach, OR (US)	5
485	Ethan Benjamin Rubinson	Santa Clara, CA (US)	5
486	Benjamin Edward Beckmann	Niskayuna, NY (US)	5
487	Michael F Angelo	Houston, TX (US)	5
488	Sébastien Le Callonnec	Greystones, IE	5
489	Nagendra Kumar Nainar	San Jose, CA (US)	5
490	John Jong Suk Lee	Waterloo, CA	5
491	Paul Mon-Wah Chan	Markham, CA	5
492	Orin Del Vecchio	Richmond Hill, CA	5
493	Bo Jing	Beijing, CN	5
494	John C Hopkins, III	San Antonio, TX (US)	5
495	Vladimir Shtokman	Newton, MA (US)	5

#	Name	Location	Patents
496	Pamela Rice	San Francisco, CA (US)	5
497	Xiaoli Liu	Hangzhou, CN	5
498	Zheng Cao	Hangzhou, CN	5
499	Hagar Meir	Haifa, IL	5
500	Sambit Nayak	Orissa, IN	5
501	Anshu Shukla	Bengaluru, IN	5
502	Eric Taylor	Carson City, NV (US)	5
503	Nitin Singh	Bengaluru, IN	5
504	Kaitlin Newman	Washington, DC (US)	5
505	David Duccini	Saint Paul, MN (US)	5
506	Shane Michael Leonard	St Johns, FL (US)	5
507	Richard Sheridan Collins	New York, NY (US)	5
508	Ganesh Krishnan	Cupertino, CA (US)	5
509	Dharmesh Dadbhawala	San Jose, CA (US)	5
510	Ashish Baluja	Santa Clara, CA (US)	5
511	Bhaumik Dedhia	San Jose, CA (US)	5
512	Johan Toll	Stockholm, SE	5
513	Fredrik Sjöblom	Älvsjö, SE	5
514	Michael Francis Byrne	Houston, TX (US)	5
515	Brian Francis Byrne	Irving, TX (US)	5
516	Srinivasan Muralidharan	Resaerch Triangle Park, NC (US)	5
517	Ilya Komarov	Berlin, DE	5
518	Kun Wang	Beijing, CN	5
519	Yi Yuan	Beijing, CN	5
520	Jia Min Li	Shanghai, CN	5
521	Thomas Jetzfellner	Aschheim, DE	5
522	Jared Li	Beijing, CN	5
523	Pierce Shi	Beijing, CN	5
524	Shi Xiang Zhou	Beijing, CN	5
525	Weiguo Zhu	Beijing, CN	5
526	Sheng Zhu	Beijing, CN	5
527	Shun Li	Beijing, CN	5
528	Jim Jin	Beijing, CN	5
529	Fan Zhou	Zhejiang, CN	5
530	Christopher Edward Struttmann	Indialantic, FL (US)	5
531	Ian Yuan Yuan Huang	Hong Kong, CN	5
532	Cem Paya	Portland, OR (US)	5
533	Xueqing Zou	Hangzhou, CN	5
534	Zhaolin Feng	Hangzhou, CN	5
535	Moon Gju Suh	Seoul, KR	5
536	Xinyu Weng	Hangzhou, CN	5
537	Fuqiang Li	Hangzhou, CN	5
538	Kelce S Wilson	Murphy, TX (US)	5
539	Chang Suk Yoon	Seoul, KR	5
540	Ki Woon Sung	Seoul, KR	5

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#	Name	Location	Patents
541	Palani Sakthi	Schaumburg, IL (US)	5
542	Yuan Yuan	Hangzhou, CN	5
543	Zhe Han	Hangzhou, CN	5
544	Sumit Patel	Round Rock, TX (US)	5
545	Eric Zavesky	Austin, TX (US)	5
546	James Pratt	Round Rock, TX (US)	5
547	Guillermo R Lopez	Manuel Gonnet, AR	5
548	Changrui Ren	Beijing, CN	5
549	Bing Shao	Beijing, CN	5
550	Xuepeng Guo	Hangzhou, CN	5
551	Robert Joseph Schukai	Marietta, GA (US)	5
552	Scott Ryan Manuel	Durham, NC (US)	5
553	Richard Thomas Meszaros	Westworth Village, TX (US)	5
554	Shuai Li	Zhejiang, CN	5
555	Jun Gu	Hangzhou, CN	5
556	Christopher Price	Plainfield, IL (US)	5
557	Manish Sethi	Cary, NC (US)	5
558	Mark Shmulevich	Moscow, RU	5
559	Sharathchandra Pankanti	Fairfield County, CT (US)	5
560	Nalini K Ratha	Yorktown Heights, NY (US)	5
561	Yu Chin Fabian Lim	Singapore, SG	5
562	Pengtao Qi	Hangzhou, CN	5
563	Aaron Brown	New York, NY (US)	5
564	Nelson Hunter Prendergast	Reynoldsburg, OH (US)	5
565	Ruslan Ardashev	Rocky Point, NY (US)	5
566	Xianjun Zhu	Cary, NC (US)	5
567	Bradley C Herrin	Apex, NC (US)	5
568	Rong Liu	Sterling, VA (US)	5
569	Zeyad Rajabi	Seattle, WA (US)	5
570	Eric I Maino	Seattle, WA (US)	5
571	Sheehan Anderson	Morrisville, NC (US)	5
572	Ryan Bertsche	Poughkeepsie, NY (US)	5
573	Danielle Judka	Mount Laurel, NJ (US)	5
574	Mu Qiao	San Jose, CA (US)	5
575	Elliot Klein	Aventura, FL (US)	5
576	Victor Lysenko	Moscow, RU	5
577	Robert Cantrell	Herndon, VA (US)	5
578	Bruce Wilkinson	Rogers, AR (US)	5
579	Simon J Brady	Dublin, IE	5
580	Jonas E Bryllert	Swords, IE	5
581	John V Delaney	Kildalkey, IE	5
582	Barry Hollywood	Navan, IE	5
583	Clea A Zolotow	Key West, FL (US)	5
584	Jonathan Sean Callan	Cambridge, GB	5
585	Rundong Huang	Saratoga, CA (US)	4

#	Name	Location	Patents
586	Pedro Jimenez-Delgado	London, GB	4
587	Omari Edwards	West Orange, NJ (US)	4
588	Al Gleicher	Elmhurst, NY (US)	4
589	Benjamin Tarmann	Normal, IL (US)	4
590	Richard R Rhodes	Tacoma, WA (US)	4
591	Denise DeRoeck	Bloomington, IL (US)	4
592	Shanna L Phillips	Bloomington, IL (US)	4
593	Matthew S Meierotto	Bloomington, IL (US)	4
594	Richard D Groonwald	Bloomington, IL (US)	4
595	Brian J Hughes	Scottsdale, AZ (US)	4
596	Devu Manikantan Shila	West Hartford, CT (US)	4
597	Adriaan Larmuseau	Shanghai, CN	4
598	Marco Bardoscia	London, GB	4
599	Gavin Wood	Berlin, DE	4
600	John Wiacek	Los Angeles, CA (US)	4
601	Ryan Pierce	Chicago, IL (US)	4
602	Ajay Madhavan	Aurora, IL (US)	4
603	Stanislav Liberman	Highland Park, IL (US)	4
604	Kevin Gidney	Oslow, NO	4
605	Peter Jihoon Kim	San Francisco, CA (US)	4
606	Jie Zhang	Oakland, CA (US)	4
607	Vladimir Reshetnikov	San Jose, CA (US)	4
608	Robert Gadbois	Los Gatos, CA (US)	4
609	Alessandro Sforzin	Heidelberg, DE	4
610	Samuel Erb	Somerville, MA (US)	4
611	Braden River Pezeshki	Pullman, WA (US)	4
612	Matthew Everett Gould	Reno, NV (US)	4
613	Bogdan Gusiev	Kyiv, UA	4
614	Michael Edmond Kaplan	Brooklyn, NY (US)	4
615	Conor Leary	Denver, CO (US)	4
616	Nicholas Mussallem	San Rafael, CA (US)	4
617	Emin Gun Sirer	New York, NY (US)	4
618	Bernard Wong	Waterloo, CA	4
619	Ryan Marsh	Billericay, GB	4
620	Sanzib Khaund	Walnut Creek, CA (US)	4
621	Maharaj Mukherjee	Poughkeepsie, NY (US)	4
622	Igor S Ramos	Round Rock, TX (US)	4
623	Jinsong Zhang	Shenzhen, CN	4
624	Yong Ding	Shenzhen, CN	4
625	Binhua Liu	Shenzhen, CN	4
626	Dawei Zhu	Shenzhen, CN	4
627	Chester A Heath	Boca Raton, FL (US)	4
628	Sarala Buradagunta	West Orange, NJ (US)	4
629	Holger Assenmacher	Eulenbis, DE	4
630	Ravi Kiran Raman	Urbana, IL (US)	4

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#	Name	Location	Patents
631	Michael Hind	Yorktown Heights, NY (US)	4
632	Sekou L Remy	Nairobi, KE	4
633	Eleftheria K Pissadaki	Yorktown Heights, NY (US)	4
634	Steven John Goeringer	Westminster, CO (US)	4
635	Brian Alexander Scriber	Denver, CO (US)	4
636	Suryatej Gundavelli	San Jose, CA (US)	4
637	Balaji Balaraman	Bengaluru, IN	4
638	Seep Goel	New Delhi, IN	4
639	Kai Ban Zhou	Shenzhen, CN	4
640	Chang Qing Yang	Shenzhen, CN	4
641	Yi Fang Shi	Shenzhen, CN	4
642	Mariano Sorgente	San Francisco, CA (US)	4
643	David Joseph Haimes	Belmont, CA (US)	4
644	Hansong Xiao	Zhejiang, CN	4
645	Ping Zhang	Zhejiang, CN	4
646	Wenhu Kan	Zhejiang, CN	4
647	Liangrong Lin	Zhejiang, CN	4
648	Jinming Duan	Zhejiang, CN	4
649	Eyal Hertzog	Ramat-HaSharon, IL	4
650	Guy Ben Artzi	Rishpon, IL	4
651	Someshekhar Banerjee	Pleasanton, CA (US)	4
652	Paul Harry Gleichauf	Los Altos, CA (US)	4
653	Jonathan D Harms	Boise, ID (US)	4
654	Colin Hart	Arlington, VA (US)	4
655	Jason Ji	Reston, VA (US)	4
656	Shubham Kumar	Haryana, IN	4
657	Adam Trexler	Portland, OR (US)	4
658	Laurie Johansen	Grants Pass, OR (US)	4
659	Paul Diffendaffer	Grants Pass, OR (US)	4
660	Kelda Diffendaffer	Grants Pass, OR (US)	4
661	Sarthak Pattanaik	Bernardsville, NJ (US)	4
662	Vadim Pertsovskiy	Chicago, IL (US)	4
663	Erik M Simpson	Houston, TX (US)	4
664	Liang-Te Chiu	New Taipei, TW	4
665	Noritaka Horikome	Musashino, JP	4
666	Amir Haleem	San Francisco, CA (US)	4
667	Marc Nijdam	San Francisco, CA (US)	4
668	Jay Kickliter	San Francisco, CA (US)	4
669	Liam Julian DiGregorio	Manhattan Beach, CA (US)	4
670	Jonathan Lee	Kitchener, CA	4
671	Steve Frensch	Ontario, CA	4
672	Ethan Greig	Dundas, CA	4
673	Anna-Maria Nalepa	Mississauga, CA	4
674	Zheng Jian	Kitchener, CA	4
675	Philip Norman Calvin	San Francisco, CA (US)	4

#	Name	Location	Patents
676	Nathaniel Loyd	Marietta, GA (US)	4
677	Zheng Zhang	Portland, OR (US)	4
678	Thiago J Macieira	Portland, OR (US)	4
679	Elisabeth Claire Paulson	Cambridge, MA (US)	4
680	Eugenia Roxanne Miller	Moreno Valley, CA (US)	4
681	Michael Moschetti	Montville, NJ (US)	4
682	John Vig	Irvine, CA (US)	4
683	Marvin Quesada	Princeton, NJ (US)	4
684	Stefano Braghin	Dublin, IE	4
685	David Zlotnick	Tel Aviv, IL	4
686	Kushal Patel	Pune, IN	4
687	Adam Lee Griffin	Dubuque, IA (US)	4
688	Zhihong Mao	Issaquah, WA (US)	4
689	Tian Chen	Issaquah, WA (US)	4
690	John William Carbone	Niskayuna, NY (US)	4
691	Chris Allen	Jamaica Plain, MA (US)	4
692	Davide Lucchi	Boston, MA (US)	4
693	Paul Gregoire, Jr	Henderson, NV (US)	4
694	Satyanarayan Kar	Bengaluru, IN	4
695	Perry Aaron Jones Haldenby	Toronto, CA	4
696	David John Kamalsky	Campbell, CA (US)	4
697	Mahmoud Yousef Ghannam	Canton, MI (US)	4
698	Brian Bennie	Sterling Heights, MI (US)	4
699	Amit Gupta	New Delhi, IN	4
700	Thomas Chen	Costa Mesa, CA (US)	4
701	Jonathan Ko	Costa Mesa, CA (US)	4
702	Jack Ragan	Bluffton, SC (US)	4
703	Kate Key	Effingham, IL (US)	4
704	Gopinath Rangan	Milpitas, CA (US)	4
705	Jong-Hyouk Noh	Daejeon, KR	4
706	Jin-Man Cho	Daejeon, KR	4
707	Alex Zinder	New York, NY (US)	4
708	Matthew DiMaria	Brentwood, TN (US)	4
709	Shannon Lekas	Cushing, TX (US)	4
710	Jun Wu	Hangzhou, CN	4
711	Wang-Chan Wong	Irvine, CA (US)	4
712	William O'Brien, Jr	Aurora, CO (US)	4
713	Dietrich Theodore Shirley	Vancouver, CA	4
714	Fabiano Pereira Soriani	Vancouver, CA	4
715	Christopher Patrick Scott	Vancouver, CA	4
716	Layne Lafrance	Vancouver, CA	4
717	Keith Nolan	Mullingar, IE	4
718	John Brady	Celbridge, IE	4
719	Ruthie D Lyle	Durham, NC (US)	4
720	Ronny S Bryant	Bloomington, IL (US)	4

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#	Name	Location	Patents
721	Mitchell J Hill	Bloomington, IL (US)	4
722	Garrett Hill	Las Vegas, NV (US)	4
723	Brian R Gallagher	Georgetown, KY	4
724	Darwin R Lo	Georgetown, KY	4
725	David Richard Jarczyk	Palatine, IL (US)	4
726	Eric Scrivner	San Francisco, CA (US)	4
727	Rajko Ilincic	Annandale, VA (US)	4
728	Jens-Matthias Bohli	Leimen, DE	4
729	Thomas Houman	Beverly, MA (US)	4
730	Ramanath Mallikarjuna	Lexington, MA (US)	4
731	Yasuhiko Miyazaki	Yokosuka, JP	4
732	Divesh Srivastava	Summit, NJ (US)	4
733	Yaron Kanza	Fair Lawn, NJ (US)	4
734	Rajiv Asati	Morrisville, NC (US)	4
735	Jay Fallah	Toronto, CA	4
736	Josef Zankowicz	Toronto, CA	4
737	Scott Rankine	Toronto, CA	4
738	Nishant Maheshwari	Uttar Pradesh, IN	4
739	Rak-Joon Choi	Forest Hills, NY (US)	4
740	Zhi Wang	Beinjing, CN	4
741	Sastry Durvasula	Phoenix, AZ (US)	4
742	Vishnuvajhala Subrahmanyam	Phoenix, AZ (US)	4
743	Matteo Signorini	Nozay, FR	4
744	Sang Won Lee	Seoul, KR	4
745	Andreas Wilke	Berlin, DE	4
746	Jonathan Weimer	Henrico, VA (US)	4
747	Ryan Fox	Alexandria, VA (US)	4
748	Xinle Yang	Portland, OR (US)	4
749	Yang Chen	Bellevue, WA (US)	4
750	Mahender Adluri	Tustin, CA (US)	4
751	Michael C Edwards	McKinney, TX (US)	4
752	David Y Chang	Austin, TX (US)	4
753	John Bevil Bates	Highland, UT (US)	4
754	Young Yoo Heo	Seoul, KR	4
755	Frank Anthony Nuzzi	Pflugerville, TX (US)	4
756	Soumya Basu	Ithaca, NY (US)	4
757	Lachlan Maxwell	Ashburn, VA (US)	4
758	Ruchi Mahindru	Elmsford, NY (US)	4
759	David Leporini	Rungis, FR	4
760	Sriram Gopalan	San Francisco, CA (US)	4
761	Venkata Sarath Maddali	San Francisco, CA (US)	4
762	Darpan Dhamija	San Francisco, CA (US)	4
763	Jyoti Raj	San Francisco, CA (US)	4
764	Daniel Cage	Atlanta, GA (US)	4
765	Padmakar Kankipati	Marietta, GA (US)	4

#	Name	Location	Patents
766	Norman R Silverman	Dallas, TX (US)	4
767	Raul O Laprida	Capital Federal, AR	4
768	Eric Wuehler	Hillsboro, OR (US)	4
769	Madhavi Sharma	Haryana, IN	4
770	Kyung Jin Kim	Seoul, KR	4
771	Xiaoliang Pan	Shanghai, CN	4
772	Oliver Michaelis	San Diego, CA (US)	4
773	Mike Ball	Kelowna, CA	4
774	Charles Andrew Hugh Baker	Kelowna, CA	4
775	Peter Alexander Carides	San Diego, CA (US)	4
776	Balaji Viswanathan	Bengaluru, IN	4
777	Kohtaroh Miyamoto	Tokyo, JP	4
778	Srdjan Capkun	Zurich, CH	4
779	Lawrence Orsini	San Francisco, CA (US)	4
780	Shyamala Chalakudi	Phoenix, AZ (US)	4
781	Ming Yin	Phoenix, AZ (US)	4
782	Howard N Anglin	Leander, TX (US)	4
783	Sen Lin	Shanghai, CN	4
784	Junliang Zhang	Hangzhou, CN	4
785	Pengfei Ying	Hangzhou, CN	4
786	Su Liu	Austin, TX (US)	4
787	John Young	Buntingford, GB	4
788	Hiroshi Horii	Tokyo, JP	4
789	Awadhesh Pratap Singh	Hyderabad, IN	4
790	Xiaojian Liu	Zhejiang, CN	4
791	Hong Lv	Hangzhou, CN	4
792	Chun Hui Suen	Singapore, SG	4
793	Kaiming Huang	Hangzhou, CN	4
794	Kevin Matthew Mintz	Chicago, IL (US)	4
795	Arthur R Leinen, III	South Bend, IN (US)	4
796	Melanie Jean Cutlan	Monument, CO (US)	4
797	Jessica G Snyder	Raleigh, NC (US)	4
798	Thomas T Hanis	Raleigh, NC (US)	4
799	Zunkui Zhao	Hangzhou, CN	4
800	Theo Dimitrakos	London, GB	4
801	Adarsh Saraf	Bengaluru, IN	4
802	Hushen Wang	Hangzhou, CN	4
803	Tal Golan	Newport Beach, CA (US)	4
804	Nigel Bradley	McDonough, GA (US)	4
805	Timothy Innes	Atlanta, GA (US)	4
806	Chikafumi Yasumoto	Tokyo, JP	4
807	Yutaka Oishi	Kawasaki, JP	4
808	Munetaka Ohtani	Fujisawa, JP	4
809	Jiayun Zhu	Edogawa-ku, JP	4
810	Kumiko Maeda	Tokyo, JP	4

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#	Name	Location	Patents
811	Sui Ma	Hangzhou, CN	4
812	Chao Shen	Hangzhou, CN	4
813	Tracy L Nelson	Overland Park, KS (US)	4
814	Kapil Singi	Bengaluru, IN	4
815	Vikrant Kaulgud	Pune, IN	4
816	Viswanath Ponnuru	Karnataka, IN	4
817	Mark Russinovich	Hunts Point, WA (US)	4
818	Thomas Moscibroda	Beijing, CN	4
819	Jian Wang	Shenzhen, CN	4
820	Dong Su	Sunnyvale, CA (US)	4
821	Eren Kursun	New York, NY (US)	4
822	Vijay Kumar Ananthapur Bache	Bengaluru, IN	4
823	Jhilam Bera	Bengaluru, IN	4
824	Sanjay Podder	Thane, IN	4
825	Lawrence Koved	Pleasantville, NY (US)	4
826	Naima Hamouma	Lyons, FR	4
827	David Aviv	Tel Aviv, IL	4
828	Yue Tong	Beijing, CN	4
829	Miao He	Beijing, CN	4
830	Kelley Anders	East New Market, MD (US)	4
831	Huanyu Ma	Hangzhou, CN	4
832	Philip Siconolfi	Wappingers Falls, NY (US)	4
833	Stewart MacGregor Dennis	Redwood City, CA (US)	4
834	Bernd Moeller	Henfenfeld, DE	4
835	Todd Mattingly	Bentonville, AR (US)	4
836	Brian McHale	Oldham, GB	4
837	John J O'Brien	Farmington, AR (US)	4
838	Thomas Thompson	Monaco, MC	4
839	David Bacarella	Schaumburg, IL (US)	4
840	James H Barnebee, IV	Winter Park, FL (US)	4
841	Nicholas Lawrence	Milwaukee, WI (US)	4
842	Guo Qiang Li	Beijing, CN	4
843	Prakash Sundaresan	Redmond, WA (US)	4
844	Lionello G Lunesu	Hong Kong, CN	4
845	Antoine Cote	Hong Kong, CN	4
846	Ram Viswanathan	Chennai, IN	4
847	Srinivasa Raghavan Govindaswamy	Chennai, IN	4
848	Zhuguang Shao	Beijing, CN	3
849	Lauren Grendon	Dublin, IE	3
850	Sukrit Handa	San Mateo, CA (US)	3
851	Tomokazu Yamada	Yokosuka, JP	3
852	Ved Pratap Singh Chauhan	Uttar Pradesh, IN	3
853	Sivanarayana Gaddam	Santa Clara, CA (US)	3
854	Joseph R Mazzarella	Tolland, CT (US)	3
855	Marko Vukolić	Rueschlikon, CH	3

#	Name	Location	Patents
856	Ivo Rook	New York, NY (US)	3
857	Adam Kuenzi	Silverton, OR (US)	3
858	Robert Habermeier	Berlin, DE	3
859	Gary Anderson	San Mateo, CA (US)	3
860	Jason Sean Gagne-Keats	Cupertino, CA (US)	3
861	Mansoor Ahmed	Naperville, IL (US)	3
862	Ranjit Kumaresan	Sunnyvale, CA (US)	3
863	Marc Benioff	San Francisco, CA (US)	3
864	Nadiya Kochura	Bolton, MA (US)	3
865	Jianliang Gu	Shanghai, CN	3
866	Yan Zhang	Anhui, CN	3
867	Yi Shi	Anhui, CN	3
868	Chandra Olson	Orlando, FL (US)	3
869	Stephen Higgins	Cork, IE	3
870	Zichao Tang	Shenzhen, CN	3
871	Zhicong Liang	Oakland, CA (US)	3
872	Yaohua Yang	Oakland, CA (US)	3
873	David Lai	Oakland, CA (US)	3
874	Chaoqing Lu	Oakland, CA (US)	3
875	Jinghan Xu	Oakland, CA (US)	3
876	Xu Meng	Oakland, CA (US)	3
877	Michael J Hudson	Delray Beach, FL (US)	3
878	Bojan Simic	New York, NY (US)	3
879	Roman Kadinsky	Forest Hills, NY (US)	3
880	Robert Panebianco	Hoboken, NY (US)	3
881	Gengliang Zhu	Shenzhen, CN	3
882	Qucheng Liu	Shenzhen, CN	3
883	Bassem Ammar	Lancaster, GB	3
884	Charles Russell Kendall	Snoqualmie, WA (US)	3
885	Martha Sain McClellan	Lancaster, SC (US)	3
886	Lee Ann Proud	Ponte Vedra, FL (US)	3
887	Ayeesha Sachedina	New York, NY (US)	3
888	Calvin William Tackett, Jr	Rowlett, TX (US)	3
889	Ophelia Snyder	New York, NY (US)	3
890	Hany Rashwan	New York, NY (US)	3
891	William K Devine	Avon, CT (US)	3
892	Emma J Scopino	New Hartford, CT (US)	3
893	Robert W Jenkins	Tolland, CT (US)	3
894	Vinod Srinivasan	Avon, CT (US)	3
895	Davide Fazzone	Baiano, IT	3
896	Luigi Lombardi	Naples, IT	3
897	Vinicio Bombacino	Rome, IT	3
898	Andrea Tortosa	Rome, IT	3
899	Guy Gueta	Herzliya, IL	3
900	Jing Bo Jiang	Beijing, CN	3

INVENTORS

#	Name	Location	Patents
901	Li Ni Zhang	Beijing, CN	3
902	Li Jiang	Beijing, CN	3
903	Lan Luo	Beijing, CN	3
904	Li Long Chen	Beijing, CN	3
905	Wen Rui Zhao	Beijing, CN	3
906	Pankaj Sarin	Elkhorn, NE (US)	3
907	Vijay Mehta	Newport Beach, CA (US)	3
908	Alexander Phan	Aliso Viejo, CA (US)	3
909	Brian Jackson	Parker, CO (US)	3
910	Tyson Henry	Castle Rock, CO (US)	3
911	Amber Mortensen Hartley	Lakewood, CO (US)	3
912	Dmytro Kryvoshei	Edison, NJ (US)	3
913	Jeremy Taylor	Montreal, CA	3
914	Andres Wolberg-Stok	Weston, FL (US)	3
915	Biser Dimitrov	New York, NY (US)	3
916	Manish Kumar	Gurgaon, IN	3
917	Smitha Menon	Hawthorn Woods, IL (US)	3
918	Rajeesh Koythatta Mee	Schaumburg, IL (US)	3
919	Geng Liang Zhu	Shenzhen, CN	3
920	Qu Cheng Liu	Shenzhen, CN	3
921	Krzysztof Pietrzak	San Francisco, CA (US)	3
922	Mohammed Artin Smaiely	Denver, CO (US)	3
923	Alex Seth Fonoroff	Highlands Ranch, CO (US)	3
924	Simon Robins	Haifa, IL	3
925	Ashish Kurani	Burlingame, CA (US)	3
926	Tal Arieh Be'ery	Petach Tikva, IL	3
927	Ouriel Ohayon	Tel Aviv, IL	3
928	Omer Shlomovits	Petach Tikva, IL	3
929	Gary Benattar	Netanya, IL	3
930	Yu Zeng	Beijing, CN	3
931	Hongtao Li	Beijing, CN	3
932	Zhiwei Yan	Beijing, CN	3
933	Raymond A Chiapuzio	Eugene, OR (US)	3
934	David Philipson	San Francisco, CA (US)	3
935	Noam Hurwitz	San Francisco, CA (US)	3
936	Omar Ceja	San Francisco, CA (US)	3
937	John Cowan	Raleigh, NC (US)	3
938	Pawel Zygmunt Aleksander	Kobylniki, PL	3
939	Pawel Kuskowski	Golub-Dobrzyn, PL	3
940	Jakub Fijolek	Bydgoszcz, PL	3
941	Stephen Barbour	Lloydminster, CA	3
942	Rajkumar Kannan	Bengaluru, IN	3
943	Aruna Srinivasa Murthy	Bengaluru, IN	3
944	Oleg Pogorelik	Lapid, IL	3
945	Chunsheng Victor Fang	San Jose, CA (US)	3

#	Name	Location	Patents
946	Michael So	Tenafly, NJ (US)	3
947	Ira Auerbach	Arverne, NY (US)	3
948	Anas Saidi	Brooklyn, NY (US)	3
949	Jamie Chapman	New York, NY (US)	3
950	Haodong Chen	Beijing, CN	3
951	Hui Wang	Beijing, CN	3
952	Ajit Vilasrao Patil	Singapore, SG	3
953	Balkrishna Pangam	Singapore, SG	3
954	Marouane Balmakhtar	Fairfax, VA (US)	3
955	Jay Webster	Pacifica, CA (US)	3
956	Alexander J Olson	San Carlos, CA (US)	3
957	Tobias Speckbacher	San Carlos, CA (US)	3
958	Andreas Binnewies	San Carlos, CA (US)	3
959	Hart Montgomery	Redwood City, CA (US)	3
960	Arnab Roy	Santa Clara, CA (US)	3
961	Gary P Noble	Warwick, GB	3
962	Shigenori Ohashi	Yokosuka, JP	3
963	David G Druker	Salt Lake City, UT (US)	3
964	Matthew Elsner	Dunwoody, GA (US)	3
965	Ariel Farkash	Shimshit, IL	3
966	Igor Gokhman	Haifa, IL	3
967	Brian R Matthiesen	Cary, NC (US)	3
968	Patrick R Wardrop	Austin, TX (US)	3
969	Ilgen B Yuceer	London, GB	3
970	Rakesh Mohan	Cortlandt Manor, NY (US)	3
971	Michael Jim Tien Chan	Cupertino, CA (US)	3
972	Ricarda Bethge	Potsdam, DE	3
973	Arne Scherrer	Kleinmachnow, DE	3
974	Mehran Shakeri	Berlin, DE	3
975	Gwan-Hwan Hwang	New Taipei, TW	3
976	Haim Dror	Tel Mond, IL	3
977	Peter Bodorik	Halifax, CA	3
978	Dawn Jutla	Halifax, CA	3
979	Irene Wong Woerner	Glendale, CA (US)	3
980	Ronald Chi King Kong	Pasadena, CA (US)	3
981	Kelce S Wilson	Murphy, TX (US)	3
982	Jeff A Hughes	Dayton, OH (US)	3
983	Tyler J Moody	Fairborn, OH (US)	3
984	Derek E Doran	Hilliard, OH (US)	3
985	Gary R Tuttle	Middletown, OH (US)	3
986	Joel B Rieman	Xenia, OH (US)	3
987	Shashank Agrawal	Mountain View, CA (US)	3
988	Joon Maeng	Newcastle, WA (US)	3
989	Yichong Yu	Yorktown Heights, NY (US)	3
990	Marci Ramona Wojcik	Grand Blanc, MI (US)	3

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#	Name	Location	Patents	#	Name	Location	Patents
991	Benjamin Gregory Nichols	New Plymouth, NZ	3	1,036	Brett C Simpson	Richland, WA (US)	3
992	Robert Collins	Dublin, IE	3	1,037	Peter Albert Madakson	Tacoma, WA (US)	3
993	Rob Byrne	Wicklow, IE	3	1,038	William R Rieger	Atlanta, GA (US)	3
994	Killian Levacher	Dundrum, IE	3	1,039	Kang Li	Hangzhou, CN	3
995	Gokhan Sagirlar	Dublin, IE	3	1,040	Yale Badik	Madison, CT (US)	3
996	Jian Weng	Guangdong, CN	3	1,041	Deanna Felker	West Hills, CA (US)	3
997	Jiasi Weng	Guangdong, CN	3	1,042	Dashiell Lavine	Portland, OR (US)	3
998	Ming Li	Guangdong, CN	3	1,043	Paul Lawbaugh	Hillsboro, OR (US)	3
999	Yue Zhang	Guangdong, CN	3	1,044	Will Ragan	Bluffton, SC (US)	3
1,000	Weiqi Luo	Guangdong, CN	3	1,045	Lucianna Kiffer	San Francisco, CA (US)	3
1,001	Sarvesh S Patel	Pune, IN	3	1,046	Karl Benedikt Bunz	Stanford, CA (US)	3
1,002	Robert Alpine Jennings	Bloomington, IL (US)	3	1,047	Jay Vyas	Concord, MA (US)	3
1,003	Amber Nelson-Wolfe	Bloomington, IL (US)	3	1,048	Huamin Chen	Westborough, MA (US)	3
1,004	Charles H Roscow	Bloomington, IL (US)	3	1,049	Vincent Zimmer	Issaquah, WA (US)	3
1,005	Scott Shoop	Heyworth, IL (US)	3	1,050	Kshitij Arun Doshi	Tempe, AZ (US)	3
1,006	Greg Hayes	Bloomington, IL (US)	3	1,051	Francesc Guim Bernat	Barcelona, ES	3
1,007	Srinivas Babu Tummalapenta	Broomfield, CO (US)	3	1,052	Kurt Nelson	Thompsons Station, OH (US)	3
1,008	Konstantinos Bakalis	Brooklyn, NY (US)	3	1,053	Nicholas James Kennedy	Akron, OH (US)	3
1,009	Robert Christensen	Brooklyn, NY (US)	3	1,054	Robert Harpley	Akron, OH (US)	3
1,010	Krishna Rangarao Mamadapur	Maharashtra, IN	3	1,055	Anil Somani	San Jose, CA (US)	3
1,011	Jigesh Rajendra Safary	Maharashtra, IN	3	1,056	Mohamed Nosseir	Castro Valley, CA (US)	3
1,012	David Charles Kuchar	San Francisco, CA (US)	3	1,057	Craig M Trim	Ventura, CA (US)	3
1,013	Malcolm Garland	San Francisco, CA (US)	3	1,058	Sri Krishnamacharya	Atlanta, GA (US)	3
1,014	Amit Biyani	Fullerton, CA (US)	3	1,059	Quang Le	Atlanta, GA (US)	3
1,015	Lorenz Lee Breu	Palo Alto, CA (US)	3	1,060	Stan Tigrett	Atlanta, GA (US)	3
1,016	Jin-Tae Oh	Daejeon, KR	3	1,061	Russ Ayres	Atlanta, GA (US)	3
1,017	Ki-Young Kim	Daejeon, KR	3	1,062	Faqiang Wang	Hangzhou, CN	3
1,018	Joon-Young Park	Hanam, KR	3	1,063	Howard Lee	Porter Ranch, CA (US)	3
1,019	Walter Charles Yund	Ballston Spa, NY (US)	3	1,064	Lewis C Lee	Seattle, WA (US)	3
1,020	Joseph James Salvo	Schenectady, NY (US)	3	1,065	Daniel Crouse	Seattle, WA (US)	3
1,021	Dan Yang	Niskayuna, NY (US)	3	1,066	David Craig Andrews	Carnation, WA (US)	3
1,022	Peter Koudal	Niskayuna, NY (US)	3	1,067	Samuel Cameron Fleming	Spokane, WA (US)	3
1,023	Benjamin Godlove	Arlington, VA (US)	3	1,068	Yen-Yi Ho	Taoyuan, TW	3
1,024	Erich Stuntebeck	Johns Creek, GA (US)	3	1,069	Duane Cash	McKinney, TX (US)	3
1,025	Akshar Kaul	Bengaluru, IN	3	1,070	Niall Cahill	Galway, IE	3
1,026	Lisa Estipona Butters	Phoenix, AZ (US)	3	1,071	Gregory Burns	Seattle, WA (US)	3
1,027	Sujay Rao	Bengaluru, IN	3	1,072	Eric Donald White	Seneca, SC (US)	3
1,028	Tim S Biernat	Franklin, WI (US)	3	1,073	Peter J Groarke	Dublin, IE	3
1,029	Juergen K Weinhofer	Chagrin Falls, OH (US)	3	1,074	Jieyi Long	Santa Clara, CA (US)	3
1,030	Sharath Chander Reddy Baddam	Mayfield Heights, OH (US)	3	1,075	Mitchell C Liu	Los Altos, CA (US)	3
1,031	Douglas J Reichard	Fairview Park, OH (US)	3	1,076	Saumyadipta Das	Bhubaneswar, IN	3
1,032	Subbian Govindaraj	Solon, OH (US)	3	1,077	Francois Vigneron	Kehl am Rhein, FR	3
1,033	Joseph D Preston	Bainbridge Island, WA (US)	3	1,078	Jeff Yang	New York, NY (US)	3
1,034	Dan Alan Preston	Bainbridge Island, WA (US)	3	1,079	Chester Chee	New York, NY (US)	3
1,035	Trinitie Marie Vance	Indianola, WA (US)	3	1,080	Avinash Chandra Pandey	Bengaluru, IN	3

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#	Name	Location	Patents
1,081	Ravi Sarveswara	Bengaluru, IN	3
1,082	Srinath Ravinathan	Singapore, SG	3
1,083	Donghao Huang	Singapore, SG	3
1,084	Steven K Rainey	Vienna, VA (US)	3
1,085	Nikola G Ognjanovic	Medford, NY (US)	3
1,086	Noah Leuthaeuser	Denver, CO (US)	3
1,087	Michal Pol	Mahwah, NJ (US)	3
1,088	Christopher Donnelly	Hawthorne, NY (US)	3
1,089	Jenny Li	New York, NY (US)	3
1,090	Rafiq Mohamed Jalal	Greenwood Village, CO (US)	3
1,091	Ashish Lal Rajbanshi	Centennial, CO (US)	3
1,092	Mykhaylo Bulgakov	Arlington, VA (US)	3
1,093	William Carroll	Huntingtown, MD (US)	3
1,094	Karim Talal Hamasni	Toronto, CA	3
1,095	Atilla Murat Firat	Toronto, CA	3
1,096	Venkata Javaji	Union City, CA (US)	3
1,097	David Newman	Walnut Creek, CA (US)	3
1,098	Nishant Usapkar	San Ramon, CA (US)	3
1,099	Patrick Alexander Deegan	New York, NY (US)	3
1,100	Sri Nikhil Gupta Gourisetti	Richland, WA (US)	3
1,101	Michael E Mylrea	Alexandria, VA (US)	3
1,102	Daniel C Middleton	Orono, MN (US)	3
1,103	Gustavo Manuel Damil Marin	Point Roberts, WA (US)	3
1,104	Subhash Makhija	Westfield, NJ (US)	3
1,105	Percival Silva de Lucena	Valinhos, BR	3
1,106	Tamraparni Dasu	New Vernon, NJ (US)	3
1,107	Darshak Thakore	Broomfield, CO (US)	3
1,108	Michael Glenn	Golden, CO (US)	3
1,109	Ana C Biazetti	Cary, NC (US)	3
1,110	Venkata Sitaramagiridharganesh Ganapavarapu	Peekskill, NY (US)	3
1,111	Kanthi Sarpatwar	Elmsford, NY (US)	3
1,112	Karthikeyan Shanmugam	Elmsford, NY (US)	3
1,113	Grzegorz Piotr Szczepanik	Cracow, PL	3
1,114	Wei Zhang	Shanghai, CN	3
1,115	Kristopher Byrne	Toronto, CA	3
1,116	Kevin John Oerton	Waterloo, CA	3
1,117	Chunhui Wan	Beijing, CN	3
1,118	Tong Jin	Beijing, CN	3
1,119	Jonathan J Gollogly	Boonsboro, MD (US)	3
1,120	Aaron Drake	Sammamish, WA (US)	3
1,121	Lee Miller London	Seattle, WA (US)	3
1,122	Young Woon Kwon	Seoul, KR	3
1,123	Jung Woo Cho	Seoul, KR	3
1,124	Hwa Yong Oh	Seoul, KR	3
1,125	Han Saem Seo	Seoul, KR	3
1,126	Noel J Guillama	Wellington, FL (US)	3
1,127	Eric Allan Bier	Palo Alto, CA (US)	3
1,128	Shantanu Rane	Menlo Park, CA (US)	3
1,129	Nambi Sankaran	Sunnyvale, CA (US)	3
1,130	Abhishek Pandey	San Jose, CA (US)	3
1,131	Mikhail Tsirelson	Sunnyvale, CA (US)	3
1,132	Joel Viale	Vence, FR	3
1,133	Kenneth Pustizzi	Milmay, NJ (US)	3
1,134	Matthew Keith Albright	Mountain View, CA (US)	3
1,135	Kwang Cheol Lee	Seoul, KR	3
1,136	Sang Ji Bae	Seoul, KR	3
1,137	Jung Eun Lee	Seoul, KR	3
1,138	Joshua Edwards	Philadelphia, PA (US)	3
1,139	James Douglas Beecham	Mill Valley, CA (US)	3
1,140	Justin W Fly	Satellite Beach, FL (US)	3
1,141	Scott Nathaniel Goldfarb	Satellite Beach, FL (US)	3
1,142	Jackson Chaiken	Satellite Beach, FL (US)	3
1,143	Thomas Daly	Satellite Beach, FL (US)	3
1,144	Judson Benton Locke	Satellite Beach, FL (US)	3
1,145	Mark Snellman	Satellite Beach, FL (US)	3
1,146	Anirban Basak	San Jose, CA (US)	3
1,147	S Ryan Quick	Fredericksburg, VA (US)	3
1,148	Armand Kolster	San Francisco, CA (US)	3
1,149	Lei Zhang	Beijing, CN	3
1,150	William D Meadow	Jacksonville, FL (US)	3
1,151	Vugranam C Sreedhar	Yorktown Heights, NY (US)	3
1,152	Gye Han Song	Seongnam-si, KR	3
1,153	I Goo Lee	Yongin-si, KR	3
1,154	David M Nelms	Rogers, AR (US)	3
1,155	Xiaodong Zeng	Hangzhou, CN	3
1,156	Gregory H Leekley	Charlotte, NC (US)	3
1,157	Alexander Savenok	Grandview, MO (US)	3
1,158	Pavel Savenok	Wheaton, IL (US)	3
1,159	Max Adel Rady	Boulogne-Billancourt, FR	3
1,160	Brandon Sloane	Charlotte, NC (US)	3
1,161	Gilbert Gatchalian	Union, NJ (US)	3
1,162	Sang Jun Kang	Seoul, KR	3
1,163	Qing Yan	Shanghai, CN	3
1,164	Ramakrishna Thurimella	San Francisco, CA (US)	3
1,165	Yeturu Aahlad	Foster City, CA (US)	3
1,166	Richard Collin	East Sussex, GB	3
1,167	Avery Glasser	Munich Bavaria, DE	3
1,168	Vijender Koorella	Austin, TX (US)	3
1,169	Richard Daniel Gunjal	Bengaluru, IN	3
1,170	Arif Khan	San Francisco, CA (US)	3

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#	Name	Location	Patents	#	Name	Location	Patents
1,171	Yaping Liu	Guangzhou, CN	3	1,216	Boris Greven	Weinheim, DE	3
1,172	Binxing Fang	Guangzhou, CN	3	1,217	Duofeng Hu	Hangzhou, CN	3
1,173	Shuo Zhang	Guangzhou, CN	3	1,218	Lloyd L Burch	Provo, UT (US)	3
1,174	Qingyuan Li	Guangzhou, CN	3	1,219	Baha Masoud	Orem, UT (US)	3
1,175	Vinay Laxmikant Bade	Hyderabad, IN	3	1,220	Axel Simon	Farnborough, GB	3
1,176	Futoshi Iwama	Tokyo, JP	3	1,221	Joseph Matthew Doddato	Boerne, TX (US)	3
1,177	Fausto Dassenno	London, GB	3	1,222	Michael L Hertz	San Antonio, TX (US)	3
1,178	Andrew Thompson	San Francisco, CA (US)	3	1,223	Zhongxiao Yao	Hangzhou, CN	3
1,179	Andrew Allen	San Francisco, CA (US)	3	1,224	Joseph G Berti	Highlands Ranch, CO (US)	3
1,180	Guido Reissner	Udenheim, DE	3	1,225	Lisa Seacat DeLuca	Baltimore, MD (US)	3
1,181	Fumiaki Kagaya	Miyagi, JP	3	1,226	Mahendran Muthu Pandian	Bengaluru, IN	3
1,182	Eiichi Abe	Miyagi, JP	3	1,227	Hanghang Wu	Zhejiang, CN	3
1,183	Erfeng Yan	Hangzhou, CN	3	1,228	Tai-An Wang	Taipei, TW	3
1,184	Raghav Sood	Singapore, SG	3	1,229	Liang-Chih Chen	Taipei, TW	3
1,185	Bruno Lowagie	Sint-Amandsberg, BE	3	1,230	Yu-Shu Chen	Taipei, TW	3
1,186	Lejin Du	Kanata, CA	3	1,231	Ting-Yin Yen	Taipei, TW	3
1,187	Michiharu Kudo	Kamakura, JP	3	1,232	Seung-Hyun Kim	Daejeon, KR	3
1,188	Sinisa Matetic	Zurich, CH	3	1,233	Alexander Tormasov	Moscow, RU	3
1,189	Stephen Wylie	Carrollton, TX (US)	3	1,234	Tao Zou	Hangzhou, CN	3
1,190	Qiaochu Tang	The Colony, TX (US)	3	1,235	Ermyas Abebe	Carlton, AU	3
1,191	Manfred Paeschke	Wandlitz, DE	3	1,236	Shengjiao Cao	Singapore, SG	3
1,192	Nikos Moustakas	Nootdorp, NL	3	1,237	Douwe van de Ruit	Langerak, NL	3
1,193	Antonino Mondello	Messina, IT	3	1,238	Christoph Jentzsch	Mittweida, DE	3
1,194	Alberto Troia	Munich, DE	3	1,239	Simon Jentzsch	Mittweida, DE	3
1,195	Simon R Dix	O'Fallon, MO (US)	3	1,240	Andrew Poelstra	Austin, TX (US)	3
1,196	Maja Vukovic	New York, NY (US)	3	1,241	Sloane Brakeville	Austin, TX (US)	3
1,197	Brian John Mullins	San Francisco, CA (US)	3	1,242	Yitong Qi	Zhejiang, CN	3
1,198	Sterling Pratz	San Francisco, CA (US)	3	1,243	Rajan Mahadevan	Mississauga, CA	3
1,199	Orang Ryan Tabibian	Lafayette, CA (US)	3	1,244	Paul R Bastide	Ashland, MA (US)	3
1,200	Mark McCabe	Point Richmond, CA (US)	3	1,245	Robert E Loredo	North Miami Beach, FL (US)	3
1,201	Abhilash Narendra	White Plains, NY (US)	3	1,246	Jan L Camenisch	Rueschlikon, CH	3
1,202	Mukesh K Mohania	New Delhi, IN	3	1,247	Maria Dubovitskaya	Rueschlikon, CH	3
1,203	Hoang Tam Vo	Southbank, AU	3	1,248	Anh-Dung Le	Antibes, FR	3
1,204	David Costa Faidella	Sidcup, GB	3	1,249	Proshanta Sarkar	Kolkata, IN	3
1,205	Marco Pierleoni	Chelmsford, GB	3	1,250	Santanu Mitra	Kolkata, IN	3
1,206	Jason A Thomas	Arlington, VA (US)	3	1,251	Sagar V Reddy	Sunnyvale, CA (US)	3
1,207	Vinod A Valecha	Pune, IN	3	1,252	Woong Ah Yoon	Boxborough, MA (US)	3
1,208	Krzysztof Rudek	Nowy Wisnicz, PL	3	1,253	Alex Xingqi Casella	Cambridge, MA (US)	3
1,209	Kiyokuni Kawachiya	Kanagawa, JP	3	1,254	Boyan Jia	Hangzhou, CN	3
1,210	Shohei Ohsawa	Tokyo, JP	3	1,255	Jiayin Liu	Hangzhou, CN	3
1,211	Hironori Takeuchi	Kanagawa-ken, JP	3	1,256	Navneet Kumar	Bihar, IN	3
1,212	Hazem Ahmed	Plano, TX (US)	3	1,257	Vikas Bishnoi	Rajasthan, IN	3
1,213	Andrew L Wells	Denton, TX (US)	3	1,258	Brian Hausman	Houston, TX (US)	3
1,214	Hui Xu	Zhejiang, CN	3	1,259	Jiahua He	Hangzhou, CN	3
1,215	Nicholas William Jones	Vancouver, CA	3	1,260	Clement Vivier	Suresnes, FR	3

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#	Name	Location	Patents	#	Name	Location	Patents
1,261	Kevin Thomas Marks	Georgetown, TX (US)	3	1,306	Prashanth Patil	San Jose, CA (US)	3
1,262	Tom Bollich	New York, NY (US)	3	1,307	Hasini Gunasinghe	West Lafayette, IN (US)	3
1,263	Adam Helfgott	New York, NY (US)	3	1,308	Jincheng Wang	Hangzhou, CN	3
1,264	Rebecca Lerner	Los Angeles, CA (US)	3	1,309	Hema Krishnamurthy	Phoenix, AZ (US)	3
1,265	Nikolaos Melissaris Papanikolaou	Westfield, NJ (US)	3	1,310	Kai Wang	Hangzhou, CN	3
1,266	Sampath Dechu	Bengaluru, IN	3	1,311	Piergiorgio Rettaroli	Rome, IT	3
1,267	Ramachandra Kota	Bengaluru, IN	3	1,312	Salvatore Gifuni	Rome, IT	3
1,268	Pratyush Kumar	Guindy, IN	3	1,313	Naoto Sato	Kawasaki, JP	3
1,269	Jeffrey C Venable, Sr	Union City, CA (US)	3	1,314	Sid Shake	Rogers, AR (US)	3
1,270	Manuel Costa	Cambridge, GB	3	1,315	Donald R High	Noel, MO (US)	3
1,271	Matthew Kerner	Seattle, WA (US)	3	1,316	Aaron K Baughman	Silver Spring, MD (US)	3
1,272	Naohiko Kosaka	Dublin, CA (US)	3	1,317	Sonit Mahey	Leesburg, VA (US)	3
1,273	Paul Giura	Cohoes, NY (US)	3	1,318	Justin M Kilpatrick	Raleigh, NC (US)	3
1,274	Nicholas C M Fuller	North Hills, NY (US)	3	1,319	William Krut	Durham, NC (US)	3
1,275	Prabhakar Kudva	New York, NY (US)	3	1,320	Jonathan Lenchner	North Salem, NY (US)	3
1,276	Deborah Ann Neumayer	Danbury, CT (US)	3	1,321	Charity Wayua	Nairobi, KE	3
1,277	Yawen Wei	Hangzhou, CN	3	1,322	Ronald Williams	Austin, TX (US)	3
1,278	Lenin Mehedy	Doncaster East, AU	3	1,323	Jae-Wook Ahn	Nanuet, NY (US)	3
1,279	Jarett Stein	Bryn Mawr, PA (US)	3	1,324	Maria D Chang	Irvington, NY (US)	3
1,280	Hin Ting Chui	Richmond Hill, CA	3	1,325	Ravindranath Kokku	Yorktown Heights, NY (US)	3
1,281	Deependra Kumar Singh	Noida, IN	3	1,326	Patrick Watson	Ossining, NY (US)	3
1,282	Abhay Patra	Pune, IN	3	1,327	Damien Patton	Park City, UT (US)	3
1,283	Harish Bharti	Pune, IN	3	1,328	Rish Mehta	Redwood City, UT (US)	3
1,284	Rajesh Kumar Saxena	Mumbai, IN	3	1,329	David Begor Lancashire	Toronto, CA	3
1,285	Rafal P Konik	Oronoco, MN (US)	3	1,330	Guerney D H Hunt	Yorktown Heights, NY (US)	3
1,286	Roger A Mittelstadt	Byron, MN (US)	3	1,331	Brandon L Swafford	Stamford, CT (US)	3
1,287	Franz F Liebinger Portela	Heredia, CR	3	1,332	Christopher Brian Shirey	Leander, TX (US)	3
1,288	Carl R Frederick	Lexington, OH (US)	3	1,333	Matthew P Moynahan	Austin, TX (US)	3
1,289	Sean M Gutman	Waxhaw, NC (US)	3	1,334	Richard Heath Thompson	Austin, TX (US)	3
1,290	Brandon Matthew Castagna	Mount Holly, NC (US)	3	1,335	Steven Cornelis Versteeg	Ivanhoe, AU	3
1,291	Yi-Hsiu Wei	Austin, TX (US)	3	1,336	Nathan Allin Hastings	Glen Iris, AU	3
1,292	Bruce H Hyre	Cary, NC (US)	3	1,337	Xien Yao	Doncaster, AU	3
1,293	Gonzalo Salgueiro	Raleigh, NC (US)	3	1,338	John Sinclair Bird	Ringwood North, AU	3
1,294	Shaorong Zhang	Hangzhou, CN	3	1,339	Igor Barinov	San Mateo, CA (US)	3
1,295	Ji Hwan Rhie	Seoul, KR	3	1,340	Garrett Day	Arlington, VA (US)	3
1,296	Nyun Soo Hyun	Seoul, KR	3	1,341	David E Hamilton, Jr	Seaford, DE (US)	3
1,297	Jeong Ho Kim	Seoul, KR	3	1,342	Kevin Zawicki	Falls Church, VA (US)	3
1,298	Gregory Maxwell	Mountain View, CA (US)	3	1,343	Roger Guseman	Mineral, VA (US)	3
1,299	Rex Wiig	Chino, CA (US)	3	1,344	Noel Vivek Ramathal	Chicago, IL (US)	3
1,300	Angel Martinez	Anaheim, CA (US)	3	1,345	Kevin Bernard Greene	Miami Beach, FL (US)	3
1,301	Weiming Zhuang	Hangzhou, CN	3	1,346	Josh Fodale	Ypsilanti, MI (US)	2
1,302	Roman M Arutyunov	San Jose, CA (US)	3	1,347	Eric H Wingfield	Ann Arbor, MI (US)	2
1,303	Andy Sugiarto	Moraga, CA (US)	3	1,348	Guangwei Zhao	Beijing, CN	2
1,304	Ganesh B Jampani	Gilroy, CA (US)	3	1,349	Jose Pereira	Dublin, IE	2
1,305	Bao Q Ngo	San Jose, CA (US)	3	1,350	Sébastien Le Callonnec	Greystones, IE	2

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#	Name	Location	Patents	#	Name	Location	Patents
1,351	Peilin Li	Los Angeles, CA (US)	2	1,396	Norman Leach	Jeffersonville, IN (US)	2
1,352	Runjia Tian	Los Angeles, CA (US)	2	1,397	Emily Braun	Louisville, KY (US)	2
1,353	Johan Van de Groenendaal	Portland, OR (US)	2	1,398	Sebastien Andreina	Heidelberg, DE	2
1,354	Alberto J Munoz	Los Altos, CA (US)	2	1,399	Charles Cameron Robertson	Palo Alto, CA (US)	2
1,355	Antoine J M Le Calvez	Treverec, FR	2	1,400	Tilman Heiner Drerup	Palo Alto, CA (US)	2
1,356	Lucas A Nuzzi	New York, NY (US)	2	1,401	David Joshua Myers	Oakland, CA (US)	2
1,357	James Allen Regenor	East Aurora, NY (US)	2	1,402	Michael J Cordonnier	Carlsbad, CA (US)	2
1,358	Kevin Osborn	Newton Highlands, MA (US)	2	1,403	Shariq Hussain	Vista, CA (US)	2
1,359	Jim M Mohen	Stamford, CT (US)	2	1,404	Niall Patrick Casey	Carlsbad, CA (US)	2
1,360	John W Masotti	Stamford, CT (US)	2	1,405	Siva Dirisala	Cupertino, CA (US)	2
1,361	Leon Afanasyev	Stamford, CT (US)	2	1,406	Gregory Ovalle	San Francisco, CA (US)	2
1,362	Timur Nutfullin	Kazam, RU	2	1,407	Chasity Latrice Wright	Warner Robins, GA (US)	2
1,363	Sebastian Jeuk	Munich, DE	2	1,408	Youna Lee	Suwon-si, KR	2
1,364	Robert James Mark Hain	Gibraltar, GI	2	1,409	Dohyun Jo	Suwon-si, KR	2
1,365	Shubham Jain	Chhattisgarh, IN	2	1,410	Rod Cruz	Frisco, TX (US)	2
1,366	Phanendra Mallampalli	Leander, TX (US)	2	1,411	Humayun Arif	Frisco, TX (US)	2
1,367	Sriram Ramakrishnan	Austin, TX (US)	2	1,412	Rene Dufrene	Heath, TX (US)	2
1,368	Alston Ghafourifar	Los Altos Hills, CA (US)	2	1,413	Chul Soo Kim	Gyeongsangnam-do, KR	2
1,369	Mehdi Ghafourifar	Los Altos Hills, CA (US)	2	1,414	Yige Cai	Shenzhen, CN	2
1,370	Gary W Grube	Barrington Hills, IL (US)	2	1,415	Bertha Ching Wai Lam	San Francisco, CA (US)	2
1,371	Richard Ferry	Springfield, MA (US)	2	1,416	David Henstock	San Francisco, CA (US)	2
1,372	Roberta Jean Smith	Santa Monica, CA (US)	2	1,417	Marcus Boorstin	Cambridge, MA (US)	2
1,373	Nicolas Antczak	Sherman Oaks, CA (US)	2	1,418	Joss Daniel Giffard-Burley	Frome, GB	2
1,374	Anuj Kumar Garg	Ghaiziabad, IN	2	1,419	Donald S Bell	Bentonville, AR (US)	2
1,375	Neeraj Kumar Gupta	Gurugram, IN	2	1,420	Pavel Yefim May	Rishon leZion, IL	2
1,376	Alexander Lipton	Abu Dhabi, AE	2	1,421	Sergey Podalov	Herzliya, IL	2
1,377	Marsha Lipton	Abu Dhabi, AE	2	1,422	Qiuping Chen	Shenzhen, CN	2
1,378	Lorien Benjamin Gamaroff	Johannesburg, ZA	2	1,423	Ismaila Wane	San Francisco, CA (US)	2
1,379	Angus James Farquharson Campbell Brown	Johannesburg, ZA	2	1,424	Karsten Ohme	Dresden, DE	2
1,380	Yuri Novozhenets	Pittsford, NY (US)	2	1,425	Joe Kurczodyna	Boulder, CO (US)	2
1,381	John Fletcher	London, GB	2	1,426	Ryan Sealy	Layton, UT (US)	2
1,382	Mohammad Mohsen Minaei Bidgoli	Palo Alto, CA (US)	2	1,427	Daniel Stanton	Anaheim Hills, CA (US)	2
1,383	Vera Vsevolozhsky	London, GB	2	1,428	Yong Su	Shanghai, CN	2
1,384	Rafael de Castro Bueno	Saskatoon, CA	2	1,429	Saurabh Pandey	San Jose, CA (US)	2
1,385	Leandro Nunes da Silva Carvalho	Metuchen, NJ (US)	2	1,430	Joseph Rice	New York, NY (US)	2
1,386	Tiberiu Suto	Franklin, NY (US)	2	1,431	Siddharth Gupta	Edison, NJ (US)	2
1,387	Hemant Kumar Sivaswamy	Pune, IN	2	1,432	Ittai Abraham	Herzliya, IL	2
1,388	Peter John Zegarelli	Sleepy Hollow, NY (US)	2	1,433	Igor Golikov	Herzliya, IL	2
1,389	Kyle Culver	Coxs Creek, KY (US)	2	1,434	Frank J Ricotta, Jr	Colorado Springs, CO (US)	2
1,390	Rohit Wason	Louisville, KY (US)	2	1,435	Bo Wu	Beijing, CN	2
1,391	Nicholas Hill	Louisville, KY (US)	2	1,436	Paul Hamera	San Francisco, CA (US)	2
1,392	Zachary A Stout	Louisville, KY (US)	2	1,437	Ankur Sarwate	New Delhi, IN	2
1,393	Matthew A Plappert	Louisville, KY (US)	2	1,438	Madhu Vijayan	Venice, CA (US)	2
1,394	Chulmin Lee	Prospect, KY (US)	2	1,439	Steven C Davis	Saint Peters, MO (US)	2
1,395	Benjamin Singer	Louisville, KY (US)	2	1,440	Khurram Mahmood	San Ramon, CA (US)	2

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#	Name	Location	Patents	#	Name	Location	Patents
1,441	Stuart Maxwell Altman	El Cerrito, CA (US)	2	1,486	Thishanth Thevarajah	Schoenaich, DE	2
1,442	Jeremy Alan Dunn	Oakland, CA (US)	2	1,487	Paul Richard Brody	Woodside, CA (US)	2
1,443	Sambasiva R Pedapalli	San Ramon, CA (US)	2	1,488	Duncan James Westland	Addlestone, GB	2
1,444	Christopher Prado Dunn	San Francisco, CA (US)	2	1,489	Chaitanya Reddy Konda	London, GB	2
1,445	Nerses Ohanyan	North Hollywood, CA (US)	2	1,490	Thomas Dienwiebel	Los Gatos, CA (US)	2
1,446	Anand Kothari	Cupertino, CA (US)	2	1,491	Raja Arumugam Maharaja	Chennai, IN	2
1,447	Ryan Jeffrey Southwick	Pacifica, CA (US)	2	1,492	Yevgeniy Viatcheslavovich Khmelev	San Antonio, TX (US)	2
1,448	Richard Brewster Wickersham, III	San Francisco, CA (US)	2	1,493	Josh Williams	San Francisco, CA (US)	2
1,449	Jesús Alejandro Cárdenes Cabré	Montreal, CA	2	1,494	Michael B Li	San Francisco, CA (US)	2
1,450	Lior Weinstein	Atlanta, GA (US)	2	1,495	Ryan Maurer	Phoenix, AZ (US)	2
1,451	Eleanor Mitch	Houston, TX (US)	2	1,496	Nolan White	Chandler, AZ (US)	2
1,452	Dharmesh Patel	Houston, TX (US)	2	1,497	Kyle D Weber	Gilbert, AZ (US)	2
1,453	Christopher V Beckman	Miami, FL (US)	2	1,498	Edward Austin	Scottsdale, AZ (US)	2
1,454	Alexander Yuan Shi	San Diego, CA (US)	2	1,499	William Guthrie	Mesa, AZ (US)	2
1,455	Simon Yuting Zhang	Chengdu, CN	2	1,500	Dustin Helland	Morton, IL (US)	2
1,456	Yizhou Zhou	Chengdu, CN	2	1,501	Sharon Kay Haverlah	Bulverde, TX (US)	2
1,457	Patrick Meehan	Seattle, WA (US)	2	1,502	Karen Marie Shackelford-George	San Antonio, TX (US)	2
1,458	Richard Demarinis	Morris Plains, NJ (US)	2	1,503	Andreas Martin Viktor Ropel	Gothenburg, SE	2
1,459	Hedi Uustalu	Tallinn, ES	2	1,504	Kjell Henrik Eklund	Gothenburg, SE	2
1,460	Triin Parvits	Talinn, ES	2	1,505	Galen Rafferty	Mahomet, IL (US)	2
1,461	Rachana Rajkumar	New York, NY (US)	2	1,506	Rahul Nair	Austin, TX (US)	2
1,462	Junning Tong	Jersey City, NJ (US)	2	1,507	Sandhiya Banu Mailai Udayakumar	Cedar Park, TX (US)	2
1,463	Vishnu Choudhary	Kotputli, IN	2	1,508	William Leddy	Lakeway, TX (US)	2
1,464	Ann Marie Sastry	Ann Arbor, MI (US)	2	1,509	Cedric Harris	Sugar Land, TX (US)	2
1,465	Shing Yu Yeung	Vancouver, CA	2	1,510	Ronald Watty	Sugar Land, TX (US)	2
1,466	Clive Richard Wright	Vancouver, CA	2	1,511	Tak Wing Lam	Hong Kong, CN	2
1,467	Zachary Blacher	San Francisco, CA (US)	2	1,512	Tak Fuk Wong	Hong Kong, CN	2
1,468	Qiu Ping Chen	Shenzhen, CN	2	1,513	Jun Zang	Shenzhen, CN	2
1,469	Rohit Sehgal	Bengaluru, IN	2	1,514	Jorg Nonnenmacher	Plascassier, FR	2
1,470	Tomi Sarajisto	Helsinki, FI	2	1,515	Robert Drew Major	Orem, UT (US)	2
1,471	Ilkka Keisala	Espoo, FI	2	1,516	Alonzo Benavides	San Francisco, CA (US)	2
1,472	Dinesh Kumar	Apex, NC (US)	2	1,517	Ian Major	San Francisco, CA (US)	2
1,473	Beni Hakak	Ramat-HaSharon, IL	2	1,518	Prem Chander Rajamohan	Jersey City, NJ (US)	2
1,474	Qisheng Ma	Hangzhou, CN	2	1,519	Thomas Hansen	San Francisco, CA (US)	2
1,475	Feifei Jin	Hangzhou, CN	2	1,520	Duygu Gün	San Francisco, CA (US)	2
1,476	Xuan Tao	Hangzhou, CN	2	1,521	Deepak Bansal	Round Rock, TX (US)	2
1,477	John Fields	Henrico, VA (US)	2	1,522	Apoorva Dixit	Roorkee, IN	2
1,478	Parmeshwr Prasad	Bengaluru, IN	2	1,523	Boris Hernan Polania Castro	Santa Clara, CA (US)	2
1,479	Alexander Poddey	Wiernsheim, DE	2	1,524	Brenton John Gunning	Los Angeles, CA (US)	2
1,480	Cormac L Kinney	New York, NY (US)	2	1,525	Raouf Boutaba	Waterloo, CA	2
1,481	Anlei Hu	Beijing, CN	2	1,526	Woojung Kim	Waterloo, CA	2
1,482	Kejun Dong	Beijing, CN	2	1,527	Yuhao Dong	Waterloo, CA	2
1,483	Douxuan Nan	Beijing, CN	2	1,528	Guy Itzhaki	Jerusalem, IL	2
1,484	Florian Mentzel	Dortmund, DE	2	1,529	Rami Burstein	Kiryat Mozkin, IL	2
1,485	Hien Pham The	Munich, DE	2	1,530	Wei Quan	San Jose, CA (US)	2

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#	Name	Location	Patents	#	Name	Location	Patents
1,531	Jan Schrage	Helmstadt-Bargen, DE	2	1,576	Jin Song Zhang	Shenzhen, CN	2
1,532	Bernardo Moreno	Westlake, OH (US)	2	1,577	Xiaofeng Zhu	Zhejiang, CN	2
1,533	Shane M Bigelow	Gates Mills, OH (US)	2	1,578	Rahul Garg	San Francisco, CA (US)	2
1,534	Bo J Shim	Avon, OH (US)	2	1,579	Peter Arthur Leondires	Boston, MA (US)	2
1,535	Scott W Barrett	Valley View, OH (US)	2	1,580	Andrew John Botelho	Norton, MA (US)	2
1,536	Ian P Lewis	Aurora, OH (US)	2	1,581	Kenneth Scott Bacon	Lakeville, MA (US)	2
1,537	Daniel F Crough, Jr	Mentor, OH (US)	2	1,582	Vincenzo Lombardi	Aprilia, IT	2
1,538	Dante Giancola	Brecksville, OH (US)	2	1,583	Franco Petrucci	Latina, IT	2
1,539	Yuxiao Song	Beijing, CN	2	1,584	David Rauch	Potsdam, DE	2
1,540	Jingqi Cao	Beijing, CN	2	1,585	Mathias Held	Potsdam, DE	2
1,541	Yew Kuann Cheng	Singapore, SG	2	1,586	Sathya Santhar	Chennai, IN	2
1,542	Sumit Amar	Foster City, CA (US)	2	1,587	Samuel M Jawaharlal	Chennai, IN	2
1,543	Ryan Tai	Menlo Park, CA (US)	2	1,588	Balamurugaramanathan Sivaramalingam	Paramakudi, IN	2
1,544	Madeeha Ghori	Fremont, CA (US)	2	1,589	Saikat Mukherjee	Karnataka, IN	2
1,545	Daniel Barrett	Kirkwood, MO (US)	2	1,590	Luis Angel Bathen	Placentia, CA (US)	2
1,546	Avrohom Gluck	Spring Valley, NY (US)	2	1,591	Weiyi Zhou	Foster City, CA (US)	2
1,547	Nechama Gluck	Nahariya, IL	2	1,592	Thomas Purves	San Francisco, CA (US)	2
1,548	Chris Wright	Plant City, FL (US)	2	1,593	Ali Hassani	Dearborn, MI (US)	2
1,549	Jian Ding	Hangzhou, CN	2	1,594	John Wesley Barron	St. Petersburg, FL (US)	2
1,550	Avradip Mandal	San Jose, CA (US)	2	1,595	Joshua Jarrell	Marietta, GA (US)	2
1,551	Benedikt Krueger	Ebensfeld, DE	2	1,596	Qi Huang	Zhejiang, CN	2
1,552	Jennifer Hunt Erickson	San Antonio, TX (US)	2	1,597	Ranjeev K Singh	Austin, TX (US)	2
1,553	Joel S Hartshorn	Liberty Lake, WA (US)	2	1,598	Tim Donald Johnson	Norwalk, IA (US)	2
1,554	Nolan Serrao	Plano, TX (US)	2	1,599	Karl Benedikt Bünz	Palo Alto, CA (US)	2
1,555	Tatsuro Ishida	Yokosuka, JP	2	1,600	Dan Boneh	Stanford, CA (US)	2
1,556	Christopher Youb	Edmonton, CA	2	1,601	Raja Sharif	London, GB	2
1,557	Bruce Youb	Puerto Plato, DO	2	1,602	Andrew Thomson	Robbinsville, NJ (US)	2
1,558	David Bleznak	Birmingham, MI (US)	2	1,603	Cathy Rowe	St. John's, CA	2
1,559	Sergey Tsyba	Birmingham, MI (US)	2	1,604	Fabio Bagatin	Varese, IT	2
1,560	Jordan Lyall	Birmingham, MI (US)	2	1,605	Igor Anatolyevich Naumov	Plano, TX (US)	2
1,561	Noah Passalacqua	Birmingham, MI (US)	2	1,606	Bo Zheng	Shenzhen, CN	2
1,562	Nate Welch	Birmingham, MI (US)	2	1,607	Warren Pennington	New Castle, DE (US)	2
1,563	Craig Braun	Birmingham, MI (US)	2	1,608	John Evans	Downingtown, PA (US)	2
1,564	Ed Posnak	Birmingham, MI (US)	2	1,609	Ryan Lovell	Wayne, PA (US)	2
1,565	Eric Bujold	Birmingham, MI (US)	2	1,610	Hideki Shina	Tokyo, JP	2
1,566	Colleen Stabler	Birmingham, MI (US)	2	1,611	Sumanta Sarkar	Hyderabad, IN	2
1,567	Svenn Mahle	Birmingham, MI (US)	2	1,612	Habeeb Basha Syed	Hyderabad, IN	2
1,568	Katie Horne	Birmingham, MI (US)	2	1,613	Richard Alan Dayan	Wake Forest, NC (US)	2
1,569	Austin Roberts	Birmingham, MI (US)	2	1,614	Mikihiko Kamekawa	Tokyo, JP	2
1,570	Chris Behar	Birmingham, MI (US)	2	1,615	Kei Sato	Kanagawa, JP	2
1,571	Andrew Trudel	Birmingham, MI (US)	2	1,616	Soo Yong Park	Seoul, KR	2
1,572	Andrew Katsevich	Birmingham, MI (US)	2	1,617	Simon N Peffers	Action, ME (US)	2
1,573	Harry Wright	Birmingham, MI (US)	2	1,618	Gary I Givental	Bloomfield Hills, MI (US)	2
1,574	Audrey Sciortino	Birmingham, MI (US)	2	1,619	HuyAnh Dinh Ngo	Sterling Heights, MI (US)	2
1,575	Jian Jun Zhang	Shenzhen, CN	2	1,620	Aankur Bhatia	Bethpage, NY (US)	2

INVENTORS

#	Name	Location	Patents	#	Name	Location	Patents
1,621	Wesley Ali Khademi	Costa Mesa, CA (US)	2	1,666	Sean Foote	Lithonia, GA (US)	2
1,622	Shi Shu	Issaquah, WA (US)	2	1,667	Luca Muscariello	Paris, FR	2
1,623	Alexandros Bakalis	Brooklyn, NY (US)	2	1,668	Alberto Compagno	Clamart, FR	2
1,624	Brandon Waite	Brooklyn, NY (US)	2	1,669	Giovanna Carofiglio	Paris, FR	2
1,625	Anurag Aggarwal	Model Town, IN	2	1,670	George Jason Schnellbacher	Overland Park, KS (US)	2
1,626	Fan Zhang	Ithaca, NY (US)	2	1,671	Gurpreet Atwal	Chesterfield, MO (US)	2
1,627	Ari Juels	New York, NY (US)	2	1,672	Sheldon Bennett	Surrey, CA	2
1,628	Gunjan Karun	Indore, IN	2	1,673	Adrian Glover	Surrey, CA	2
1,629	Maxwell Sanchez	Albuquerque, NM (US)	2	1,674	Gregory J Alger	Long Beach, WA (US)	2
1,630	Meethil Vijay Yadav	Phoenix, AZ (US)	2	1,675	Duane R Wald	Surprise, AZ (US)	2
1,631	Bradley Wardman	Phoenix, AZ (US)	2	1,676	Andrew Mintner	Seattle, WA (US)	2
1,632	Braden Christopher Ericson	San Jose, CA (US)	2	1,677	Donald Grant Peterson	Commerce City, CO (US)	2
1,633	Jeffrey Schvey	New York, NY (US)	2	1,678	Taiga Matsumoto	Redmond, WA (US)	2
1,634	Nadi Sarrar	New York, NY (US)	2	1,679	Damon Dean	Oakland, CA (US)	2
1,635	Patricia Denise MacKenzie	Clifton Park, NY (US)	2	1,680	Drew Ashlock	San Francisco, CA (US)	2
1,636	Baohua Yang	Foster City, CA (US)	2	1,681	Clifford Anthony Bailey	Canton, MI (US)	2
1,637	Ram Bhaskar	New York, NY (US)	2	1,682	Jenny Lin	Mississauga, CA	2
1,638	Niveda Krishnamoorthy	San Francisco, CA (US)	2	1,683	Sanjay Kumar Stribady	Monmouth Junction, NJ (US)	2
1,639	Bill Zhu	San Francisco, CA (US)	2	1,684	Saket Sharma	Edison, NJ (US)	2
1,640	Alex Miao	San Francisco, CA (US)	2	1,685	Gursel Taskale	Manhasset, NY (US)	2
1,641	Josh Zhang	New York, NY (US)	2	1,686	Adnan Ali Lone	Framingham, MA (US)	2
1,642	Andrew Yang	New York, NY (US)	2	1,687	Bartow Wyatt	Cashiers, NC (US)	2
1,643	Abraham Mezaael	Southfield, MI (US)	2	1,688	Kumarappan Palaniappan	San Jose, CA (US)	2
1,644	Yehuda Levi	Tel Aviv, IL	2	1,689	Valentin Bercovici	Livermore, CA (US)	2
1,645	Barak Manos	Kibbutz Yifat, IL	2	1,690	Seyed-Mahdi Pedramrazi	San Jose, CA (US)	2
1,646	Asaf Shachaf	Herzliya, IL	2	1,691	Dennis Michael Kennedy	St. Louis, MO (US)	2
1,647	Carlos W Korten	Natick, MA (US)	2	1,692	Michael L Grazio	Rye Brook, NY (US)	2
1,648	Douglas Max Grover	Provo, UT (US)	2	1,693	Chee Kean Lim	Singapore, SG	2
1,649	Ramani Panchapakesan	Bangalore Karnataka, IN	2	1,694	Kia Boon Chew	Singapore, SG	2
1,650	Ramanandan Nambannor Kunnath	Banagalore Karnataka, IN	2	1,695	Yihang Huang	Singapore, SG	2
1,651	Michael Stephen Fiske	San Francisco, CA (US)	2	1,696	Heng Wee Chin	Singapore, SG	2
1,652	Steven Yang	Milpitas, CA (US)	2	1,697	Hian Leong Ong	Singapore, SG	2
1,653	Ken Kumar	Meerut, IN	2	1,698	Eng Guan Ng	Singapore, SG	2
1,654	Vivekanand Ramgopal	Chennai, IN	2	1,699	Raghunathvenkata Ramana Thummisi	Saratoga, CA (US)	2
1,655	Michael D Dowling	San Francisco, CA (US)	2	1,700	Roopa Nagaraju	Saratoga, CA (US)	2
1,656	Tarun Dasari	Bentonville, AR (US)	2	1,701	John Gregory Anderson	Austin, TX (US)	2
1,657	Aditya Reddy Cheruku	Bentonville, AR (US)	2	1,702	Charles Henry Uchill	St. Charles, IL (US)	2
1,658	Anand Banik	Rogers, AR (US)	2	1,703	Sean McNamara	Chicago, IL (US)	2
1,659	Sumanth B Talasila	Bentonville, AR (US)	2	1,704	Bin Qian	Shanghai, CN	2
1,660	Kishore P Sasthiri	Bentonville, AR (US)	2	1,705	Ziheng Zhou	Shanghai, CN	2
1,661	Murthy N Kolluru	Bentonville, AR (US)	2	1,706	Gaurav Srikant Mokhasi	Evanston, IL (US)	2
1,662	Vijay Mayadas	New York, NY (US)	2	1,707	Gianluca Ragnoni	Rome, IT	2
1,663	John Garahan	Annandale, NJ (US)	2	1,708	Fabrizio Battini	Rome, IT	2
1,664	Horacio Barakat	New York, NY (US)	2	1,709	Emanuele Martire	Rome, IT	2
1,665	Kishore Seshagiri	Hyderabad, IN	2	1,710	Thomas K Oram	Hudson, MA (US)	2

INVENTORS

#	Name	Location	Patents	#	Name	Location	Patents
1,711	Jordi de Vos	Rijswijk, NL	2	1,756	Andreas Grosche	Mannheim, DE	2
1,712	Mesbah Sabur	Doetinchem, NL	2	1,757	Joe A Kattackal	Bengaluru, IN	2
1,713	Pietro Pasotti	Delft, NL	2	1,758	Markus Brugger	Frickingen, DE	2
1,714	Kaj Oudshoorn	Zwartewaal, NL	2	1,759	Mark Teichmann	Lubeck, DE	2
1,715	Jelle Dirk Licht	The Hague, NL	2	1,760	Manoj Karjala Chandrasekar	Easton, PA (US)	2
1,716	Leen Khalid A Al Shenibr	Brookline, MA (US)	2	1,761	Vigneswaran Padmanaban	King of Prussia, PA (US)	2
1,717	Ronald R Marquardt	Woodinville, WA (US)	2	1,762	Srikanth Rajamani	Malvern, PA (US)	2
1,718	Seok-Hyun Kim	Daejeon, KR	2	1,763	Matthew Morabito	Newtown Square, PA (US)	2
1,719	Young-Seob Cho	Daejeon, KR	2	1,764	Kevin Serwatowski	Royal Oak, MI (US)	2
1,720	Soo-Hyung Kim	Daejeon, KR	2	1,765	Bradley Richard Ree	Oceanside, CA (US)	2
1,721	Young-Sam Kim	Daejeon, KR	2	1,766	Gary Bernard Jabara	Newport Beach, CA (US)	2
1,722	Sang-Rae Cho	Chungcheongbuk-do, KR	2	1,767	Venson Shaw	Kirkland, WA (US)	2
1,723	Seung-Hun Jin	Daejeon, KR	2	1,768	Sunil Lingayat	Issaquah, WA (US)	2
1,724	Nan Wang	Shenzhen, CN	2	1,769	Sudhi R Sinha	Milwaukee, WI (US)	2
1,725	Subrata Banik	Bengaluru, IN	2	1,770	Youngchoon Park	Brookfield, WI (US)	2
1,726	Marcos Carranza	Portland, OR (US)	2	1,771	Sajjad Pourmohammad	Milwaukee, WI (US)	2
1,727	Karthik Kumar	Chandler, AZ (US)	2	1,772	Anzhou Hou	Shanghai, CN	2
1,728	Yizhen Wu	Shanghai, CN	2	1,773	Robert Edward Grant	Laguna Beach, CA (US)	2
1,729	William Perry Ragan	Bluffton, SC (US)	2	1,774	Alexander Kern	San Francisco, CA (US)	2
1,730	Dennis John Glennon	Warwick, RI (US)	2	1,775	Nikhil Srinivasan	San Francisco, CA (US)	2
1,731	John Christopher Muddle	Barcelona, ES	2	1,776	Shannon Bruce Vosseller	Zürich, CH	2
1,732	Duncan Mills	Winchester, GB	2	1,777	Andrew Chalkley	Portland, OR (US)	2
1,733	Yoav Tock	Haifa, IL	2	1,778	Tyson Adams	Henderson, NV (US)	2
1,734	Akshesh Doshi	Udiapur, IN	2	1,779	Rex Carlson	Henderson, NV (US)	2
1,735	Jason Houseworth	Olathe, KS (US)	2	1,780	Rajendrasinh Jadeja	Las Vegas, NV (US)	2
1,736	Travis Giggy	Palo Alto, CA (US)	2	1,781	Andrew Royer	Los Angeles, CA (US)	2
1,737	Roman Breslav	Newton, MA (US)	2	1,782	Hancong Guan	Singapore, SG	2
1,738	Daniel D Martin	Kansas City, MO (US)	2	1,783	Steven Cebertowicz	San Francisco, CA (US)	2
1,739	Talha Ahmad Siddiqui	Delhi, IN	2	1,784	David M Hilbert	Palo Alto, CA (US)	2
1,740	Hai Jin	Wuhan, CN	2	1,785	Kandha Sankarapandian	San Jose, CA (US)	2
1,741	David A Carlson	Haslet, TX (US)	2	1,786	Rajinikanth Pandurangan	Fremont, CA (US)	2
1,742	Ram Pemmaraju	Old Bridge, NJ (US)	2	1,787	Vijay Balakrishnan	Mountain View, CA (US)	2
1,743	Raghuram Parvataneni	Edison, NJ (US)	2	1,788	Konstantinos Chalkias	London, GB	2
1,744	Anil K Guntupalli	Irving, TX (US)	2	1,789	Maksym Naboka	San Francisco, CA (US)	2
1,745	Jonathan Andrew Fritz	Seattle, WA (US)	2	1,790	Ales Katona	San Francisco, CA (US)	2
1,746	Nachimuthu Govindasamy	Bothell, WA (US)	2	1,791	Teruhiro Tagomori	Tokyo, JP	2
1,747	Anthony A Virtuoso	Hawthrone, NJ (US)	2	1,792	David Jette	Los Angeles, CA (US)	2
1,748	Turkay Mert Hocanin	New York, NY (US)	2	1,793	Brett Markinson	Sherman Oaks, CA (US)	2
1,749	Ramkumar Kamalapuram Sugavanam	Bothell, WA (US)	2	1,794	Sreelakshmi Kolli	Fremont, CA (US)	2
1,750	Gitesh Tyagi	Seattle, WA (US)	2	1,795	Leon Rasovsky	Mountain View, CA (US)	2
1,751	Paul Golding	San Francisco, CA (US)	2	1,796	Haris Javaid	Singapore, SG	2
1,752	Sahil Amoli	San Francisco, CA (US)	2	1,797	Ji Yang	San Jose, CA (US)	2
1,753	Justin O'Brien	San Francisco, CA (US)	2	1,798	Sundararajarao Mohan	Sunnyvale, CA (US)	2
1,754	Bojan Joveski	San Francisco, CA (US)	2	1,799	Gordon John Brebner	Monte Sereno, CA (US)	2
1,755	Tyson Battistella	San Francisco, CA (US)	2	1,800	Charles Plant St Louis	Toronto, CA	2

INVENTORS

#	Name	Location	Patents	#	Name	Location	Patents
1,801	Graham Henry Miller	Toronto, CA	2	1,846	Douglas Steele	Grand Cayman, KY	2
1,802	Ugobame I Uchibeke	Toronto, CA	2	1,847	Dongyan Wang	Shenzhen, CN	2
1,803	Joe Larizza	Toronto, CA	2	1,848	Bo Li	Shenzhen, CN	2
1,804	Ioannis Bakagiannis	Toronto, CA	2	1,849	Ofer A Lidsky	Ramat-Gan, IL	2
1,805	Eric Louis Kampman	Albany, CA (US)	2	1,850	Clemens Ley	Berkeley, CA (US)	2
1,806	William R Benassi	Elk River, MN (US)	2	1,851	Maxwell David Galka	New York, NY (US)	2
1,807	James P Gately	Boulder, CO (US)	2	1,852	Bryan Cotta	San Mateo, CA (US)	2
1,808	Pulkit Gupta	Haryana, IN	2	1,853	Pradeep Menon	Potomac, MD (US)	2
1,809	Sebastien Andreina	Heidelberg, DE	2	1,854	Rahul Koneru	Ashburn, VA (US)	2
1,810	Vladimir Lounegov	Walnut Creek, CA (US)	2	1,855	Lukasz Jakub Palus	Cracow, PL	2
1,811	Assaf Packin	Brooklyn, NY (US)	2	1,856	Gang Qian	Shanghai, CN	2
1,812	Robin Shapiro	New York, NY (US)	2	1,857	Yanyu Chen	Shanghai, CN	2
1,813	Kevin Alan Tussy	Las Vegas, NV (US)	2	1,858	Ruixue Wang	Shanghai, CN	2
1,814	Nathaniel G McKervey	Tallahassee, FL (US)	2	1,859	Tarik Tali	San Diego, CA (US)	2
1,815	Siegfried Puchbauer	San Francisco, CA (US)	2	1,860	Hassan Zili	Tangier, MA	2
1,816	Vasudevan Swamidurai	Phoenix, AZ (US)	2	1,861	Abdelhak Tali	Tangier, MA	2
1,817	David Alan Beberman	Jefferson, MA (US)	2	1,862	Jose Caldera	Palo Alto, CA (US)	2
1,818	Eric Miller	Austin, TX (US)	2	1,863	Kieran Gerard Sherlock	Palo Alto, CA (US)	2
1,819	Evan Caron	Austin, TX (US)	2	1,864	Yuzhuang Xu	Shanghai, CN	2
1,820	Troy Martin	Austin, TX (US)	2	1,865	Tao Zhu	Shanghai, CN	2
1,821	Ulvi Kasimov	London, GB	2	1,866	Yu Zhou	Shanghai, CN	2
1,822	Suleyman Kasimov	London, GB	2	1,867	Young Sik Bae	Seoul, KR	2
1,823	Thomas Joseph Foth	Melrose, MA (US)	2	1,868	David S Nay	Novi, MI (US)	2
1,824	Hunter Rudd	Broomfield, CO (US)	2	1,869	Artin Nazarian	Glendale, CA (US)	2
1,825	James E Sutherland	Town and Country, MO (US)	2	1,870	Mark Arana	Agoura Hills, CA (US)	2
1,826	Junho Huh	Yongin-si, KR	2	1,871	Derek Prestegard	Los Angeles, CA (US)	2
1,827	Shivendra Singh Malik	Vasco-da-Gama, IN	2	1,872	Evgeny A Aseev	Singapore, SG	2
1,828	Santosh Ganesh Dattatraya Bhat	Wadala East, IN	2	1,873	Malavan Balanavaneethan	Singapore, SG	2
1,829	Mohammed Adham	Ottawa, CA	2	1,874	Mayuran Satchithanantham	Singapore, SG	2
1,830	Nathaniel Wood	Ottawa, CA	2	1,875	Hung Chung Kuo	Kaohsiung, TW	2
1,831	Jong-Moon Chung	Seoul, KR	2	1,876	Christofer Hardy	Cheyenne, WY (US)	2
1,832	Ju Sik Yun	Seoul, KR	2	1,877	David Abraham	Cheyenne, WY (US)	2
1,833	Yun Yeong Goh	Seoul, KR	2	1,878	Wei Li	Hangzhou, CN	2
1,834	Justyna Zander	Cupertino, CA (US)	2	1,879	Weiwei Qiu	Hangzhou, CN	2
1,835	Meena Singh Dilip Thakur	Bengaluru, IN	2	1,880	Keting Yin	Hangzhou, CN	2
1,836	Lakshmi Padmaja Maddali	Hyderabad, IN	2	1,881	Qilei Li	Hangzhou, CN	2
1,837	Rajan Mindigal Alasingara Bhattachar	Bengaluru, IN	2	1,882	Jialei Rong	Hangzhou, CN	2
1,838	Bruno Ciscato	Farnborough, GB	2	1,883	Zhiqiang Wu	Hangzhou, CN	2
1,839	Dominic Hart	Farnborough, GB	2	1,884	Scott Gaydos	Plano, TX (US)	2
1,840	Eric David Schroeder	San Antonio, TX (US)	2	1,885	Robert Otting	Plano, TX (US)	2
1,841	Gabriel C Fernandez	San Antonio, TX (US)	2	1,886	Harrison Dahme	San Francisco, CA (US)	2
1,842	Calvin Chan	Mineloa, NY (US)	2	1,887	Miles Paschini	San Diego, CA (US)	2
1,843	Christopher Cracchiolo	Old Bridge, NJ (US)	2	1,888	Nitin Agarwal	Hyderabad, IN	2
1,844	Andrew Martin Baal Thomas	Jersey City, NJ (US)	2	1,889	Weilun Huang	Beijing, CN	2
1,845	Delano Seymour	St George's, BM	2	1,890	Chunfu Li	Beijing, CN	2

INVENTORS

#	Name	Location	Patents	#	Name	Location	Patents
1,891	Xing Yin	Shanghai, CN	2	1,936	Christopher H L Wicher	Raleigh, NC (US)	2
1,892	Chen Shi	Beijing, CN	2	1,937	Rupa Shah	Morristown, NJ (US)	2
1,893	Upendra Mardikar	San Jose, CA (US)	2	1,938	Keerthi Jayarajan	Tamilnadu, IN	2
1,894	Keshav Narsipur	Chandler, AZ (US)	2	1,939	Vagner Figueredo de Santana	Sao Paulo, BR	2
1,895	Omar Besim Hakim	Addison, TX (US)	2	1,940	Ana Paula Appel	São Paulo, BR	2
1,896	Ishan Rastogi	Karnataka, IN	2	1,941	Michael Thibodeau	Bellingham, MA (US)	2
1,897	Rahul Rajendra Sonanis	Karnataka, IN	2	1,942	Matthew Ryan George	Scituate, MA (US)	2
1,898	Umang Goel	Karnataka, IN	2	1,943	Randal J August	Nashua, NH (US)	2
1,899	Siddharth Lal	Karnataka, IN	2	1,944	Kersing Huang	Chestnut Hill, MA (US)	2
1,900	David Fabian	Berlin, DE	2	1,945	Vladimir Tsitrin	Acton, MA (US)	2
1,901	Vishal Gupta	New Delhi, IN	2	1,946	Viktor Prokopenya	London, GB	2
1,902	Richard Cameron Murphy	Boise, ID (US)	2	1,947	Artsiom Mikhasiou	Minsk, BY	2
1,903	Fa-Long Luo	San Jose, CA (US)	2	1,948	Il'ya Fomenok	Minsk, BY	2
1,904	Justin Gregory Manweiler	Yorktown Heights, NY (US)	2	1,949	Aliaksandr Kotseleu	Minsk, BY	2
1,905	Douglas A Bulleit	Atlanta, GA (US)	2	1,950	Siarhei Sinila	Minsk, BY	2
1,906	Bharat Chand Aluri	Atlanta, GA (US)	2	1,951	Archana Sekar	Chennai, IN	2
1,907	Fred Thomas Danner, III	Colorado Springs, CO (US)	2	1,952	Javier Villalobos	Daly City, CA (US)	2
1,908	Charles Clifton Miller, III	Pebble Beach, CA (US)	2	1,953	Yochai Konig	San Francisco, CA (US)	2
1,909	Andrew Jonathan Leker	San Rafael, CA (US)	2	1,954	Gabriel Jerome Solomon	Campbell, CA (US)	2
1,910	Matthew Drew Birder	San Francisco, CA (US)	2	1,955	Peng Zhang	Shenzhen, CN	2
1,911	Allison Phuong Huynh	Palo Alto, CA (US)	2	1,956	Yuhong Liu	San Jose, CA (US)	2
1,912	Mark Thomas Wallace	San Rafael, CA (US)	2	1,957	Rachael Brooks	San Diego, CA (US)	2
1,913	Rainer Falk	Poing, DE	2	1,958	Oded Shmueli	Nofit, IL	2
1,914	Robert Taylor	Rancho Palos Verdes, CA (US)	2	1,959	Soo Kyoung Seol	Gyeonggi-do, KR	2
1,915	Brian M O'Connell	Cary, NC (US)	2	1,960	Heetae Lyu	Gyeonggi-do, KR	2
1,916	Scott Dickerson	Henderson, NV (US)	2	1,961	Junghwa Baek	Gyeonggi-do, KR	2
1,917	Ryan Matthew Peterson	Discovery Bay, CA (US)	2	1,962	Kiho Na	Gyeonggi-do, KR	2
1,918	Julia Clavien	San Francisco, CA (US)	2	1,963	HeeJae Myeong	Gyeonggi-do, KR	2
1,919	Daniel James Gilligan	Erskineville, AU	2	1,964	Min Tae Kim	Gyeonggi-do, KR	2
1,920	Paul Milton McCarney	Clontarf, AU	2	1,965	SeungJae Lee	Gyeonggi-do, KR	2
1,921	Daniel Kevin Austin	West Pennant Hills, AU	2	1,966	Hui Yang	Beijing, CN	2
1,922	Zsolt Szalai	Tourrettes-sur-Loup, FR	2	1,967	James W Fan	San Ramon, CA (US)	2
1,923	Jae Young Lee	Seoul, KR	2	1,968	Dan Celenti	Holmdel, NJ (US)	2
1,924	Michael Walsh	San Francisco, CA (US)	2	1,969	Alireza Hooshiari	Alpharetta, GA (US)	2
1,925	Venkata Radha Krishna Proddaturi	Santa Clara, CA (US)	2	1,970	Gavin Stuart Peter Miller	Los Altos, CA (US)	2
1,926	Joshua Arteaga	Mountain View, CA (US)	2	1,971	Xuejun Xu	Cupertino, CA (US)	2
1,927	Ehsan Hoque	Pleasanton, CA (US)	2	1,972	Max Gray Edell	Ottawa, CA	2
1,928	Yu Zhao	Beijing, CN	2	1,973	Chen-Hsuan Wang	Taipei, TW	2
1,929	David William Kravitz	San Jose, CA (US)	2	1,974	Jiann-Min Yang	Taipei, TW	2
1,930	Jignesh K Karia	Thane, IN	2	1,975	Scott Miau	Taipei, TW	2
1,931	Juan R Loaiza	Woodside, CA (US)	2	1,976	Brad A Shea	San Francisco, CA (US)	2
1,932	Mahesh Baburao Girkar	Cupertino, CA (US)	2	1,977	Robert L Carter, Jr	San Francisco, CA (US)	2
1,933	James W Stamos	Saratoga, CA (US)	2	1,978	Pierre Arbajian	San Francisco, CA (US)	2
1,934	Sachin Sonawane	Foster City, CA (US)	2	1,979	Peter Bordow	San Francisco, CA (US)	2
1,935	Marisa Ferrara Boston	Denver, CO (US)	2	1,980	Michael Erik Meinholz	San Francisco, CA (US)	2

INVENTORS

#	Name	Location	Patents	#	Name	Location	Patents
1,981	Peng Wu	Hangzhou, CN	2	2,026	Marcos V Dequeiroga	Leander, TX (US)	2
1,982	Changhua He	Hangzhou, CN	2	2,027	Marcio C Esteves	Austin, TX (US)	2
1,983	Neeraj Srivastava	Toronto, CA	2	2,028	Tom Roesner	Liberty Hill, TX (US)	2
1,984	Solyman Ashrafi	Plano, TX (US)	2	2,029	Abdoulaye Faye	Antibes, FR	2
1,985	Nao Nishijima	Tokyo, JP	2	2,030	Taulant Ramabaja	Prishtina, XK	2
1,986	Apostolis Salkintzis	Athens, GR	2	2,031	Awinash Pandey	Haryana, IN	2
1,987	Gary Shorter	Durham, NC (US)	2	2,032	Saugandh Datta	Greater Noida, IN	2
1,988	Sarang Mahatwo	Piscataway, NJ (US)	2	2,033	Matteo Pontecorvi	Palaiseau, FR	2
1,989	Ricky Kwan	Florham Park, NJ (US)	2	2,034	Abhishek Sharma	Bengaluru, IN	2
1,990	Jeetendra Pradhan	Budd Lake, NJ (US)	2	2,035	Cassie Boutelle	Sarasota, FL (US)	2
1,991	Bryan M Zima	Morristown, NJ (US)	2	2,036	Lou Grilli	Tampa, FL (US)	2
1,992	Salim Memon	Richardson, TX (US)	2	2,037	Troy Land	Tampa, FL (US)	2
1,993	Saira Zaman	Frisco, TX (US)	2	2,038	James Heystek	St. Petersburg, FL (US)	2
1,994	Timothy Leonard	Moreland Hills, OH (US)	2	2,039	Wade D Murray	Hoboken, NJ (US)	2
1,995	Vasanth Srinivasan	Oklahoma City, OK (US)	2	2,040	Jason Crabtree	Vienna, VA (US)	2
1,996	Joseph M DeBoth	Chagrin Falls, OH (US)	2	2,041	Andrew Sellers	Monument, CO (US)	2
1,997	Mark Botticelli	Minnetonka, MN (US)	2	2,042	Pragyana K Mishra	Seattle, WA (US)	2
1,998	Charles Lee Oakes, III	Boerne, TX (US)	2	2,043	Elena Kvochko	New York, NY (US)	2
1,999	Vijay Jayapalan	San Antonio, TX (US)	2	2,044	Nicola Greco	Cambridge, MA (US)	2
2,000	William C Rehm	Boulder, CO (US)	2	2,045	Juan Batiz-Benet	Walnut, CA (US)	2
2,001	Scott C Harris	San Diego, CA (US)	2	2,046	Shriyamvar Bugga	Culver City, CA (US)	2
2,002	Shantanu Rajkumar Kothavale	Cupertino, CA (US)	2	2,047	Kaigani Turner	Culver City, CA (US)	2
2,003	Thyge Knuhtsen	Dallas, TX (US)	2	2,048	Matia Wagabaza	Culver City, CA (US)	2
2,004	Adam Cecchetti	Seattle, WA (US)	2	2,049	Chih-Hsiung Liu	Taipei, TW	2
2,005	Michael Eddington	Seattle, WA (US)	2	2,050	Ruifeng Hu	Nanjing, CN	2
2,006	Long Wang	Yorktown Heights, NY (US)	2	2,051	Feihu Jiang	Nanjing, CN	2
2,007	Soumitra Sarkar	Cary, NC (US)	2	2,052	Yaoguo Jiang	Nanjing, CN	2
2,008	Yu Deng	Yorktown Heights, NY (US)	2	2,053	Fred Ochieng Otieno	Nairobi, KE	2
2,009	Vishal Patangia	West Hills, CA (US)	2	2,054	Alan Kang Hong Lim	Singapore, SG	2
2,010	Mark Standring	Los Angeles, CA (US)	2	2,055	Abhinav Thukral	Delhi, IN	2
2,011	Vasudevan Atteeri	Newbury Park, CA (US)	2	2,056	John J O'brien	Farmington, AR (US)	2
2,012	Matthew Steed	Charlotte, NC (US)	2	2,057	Ilgin Safak	White Plains, NY (US)	2
2,013	Joel Vincent Nation	Bruce, AU	2	2,058	Ramanan Rajapreyar	Dobbs Ferry, NY (US)	2
2,014	James Peter George Ryles	Dunlop, AU	2	2,059	Niravkumar Pandya	Danbury, CT (US)	2
2,015	David H Blackman	Corona, CA (US)	2	2,060	Olutoyin Oduwole	Easton, CT (US)	2
2,016	David Brown	Yorba Linda, CA (US)	2	2,061	Florian Zeiger	Höhenkirchen-Siegertsbrunn, DE	2
2,017	Gang Chen	Hangzhou, CN	2	2,062	Aspyn Cole Palatnick	Long Beach, NY (US)	2
2,018	Shanghu Luo	Hangzhou, CN	2	2,063	Zixuan Zhang	Philadelphia, PA (US)	2
2,019	Chaim Gluck	Miami, FL (US)	2	2,064	Aarron Gull	Commack, NY (US)	2
2,020	Matthew Donaldson Moller	Petaluma, CA (US)	2	2,065	Harvey Summers	Richmond, VA (US)	2
2,021	Kevin Shinseki	San Carlos, CA (US)	2	2,066	Vijaya L Vemireddy	Plano, TX (US)	2
2,022	Shao-Nung Huang	New Taipei, TW	2	2,067	Gregory M Wagner	Tucson, AZ (US)	2
2,023	Guillaume Hébert	Lyons, FR	2	2,068	Matthew T Young	Tucson, AZ (US)	2
2,024	Zhimin Wei	Beijing, CN	2	2,069	Zhengpeng Li	Columbia, MD (US)	2
2,025	Bingxin Fan	Beijing, CN	2	2,070	Qing Xu	Shanghai, CN	2

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#	Name	Location	Patents	#	Name	Location	Patents
2,071	Yuechao Ma	Seattle, WA (US)	2	2,116	Mario E De Armas	Wellington, FL (US)	2
2,072	Xiannong Fu	Irvine, CA (US)	2	2,117	Takafumi Komiyama	Minato-ku, KR	2
2,073	Ke Xu	Beijing, CN	2	2,118	Al Chakra	Apex, NC (US)	2
2,074	Diaolong Tang	Hangzhou, CN	2	2,119	Bryce Frey	Tilden, NE (US)	2
2,075	Xiao Wu	Hangzhou, CN	2	2,120	Corey Clark	Plano, TX (US)	2
2,076	Ravid Sagy	Beit Yizhack, IL	2	2,121	Rajendra Mokshagundam	Schaumburg, IL (US)	2
2,077	Daniel Hugh Broaddus	Evanston, IL (US)	2	2,122	Xinxin Sheng	Cary, NC (US)	2
2,078	Wenbin Cheng	Shenzhen, CN	2	2,123	Thomas Stephen McGuire	Galway, IE	2
2,079	Robert John Lundie Hill	Hertfordshire, GB	2	2,124	Amanda Chiu	San Francisco, CA (US)	2
2,080	Mihai Cimpoesu	London, GB	2	2,125	Jonathan Hromi	Watertown, MA (US)	2
2,081	Jeffrey Austin Pack	Puyallup, WA (US)	2	2,126	Raghav Chawla	Cambridge, MA (US)	2
2,082	John Christopher Haager	Bonney Lake, WA (US)	2	2,127	Jeb R Linton	Herndon, VA (US)	2
2,083	Cody Joseph Sandwith	Tacoma, WA (US)	2	2,128	Maodong Xu	Mill Neck, NJ (US)	2
2,084	Janine Therese Terrano	Gig Harbor, WA (US)	2	2,129	Misha Nossik	Ottawa, CA	2
2,085	Matthew Wootton	O'Fallon, MO (US)	2	2,130	Onur Ibek	Istanbul, TR	2
2,086	Boris Dieseldorff	St. Charles, MO (US)	2	2,131	Oguz Oktay	Istanbul, TR	2
2,087	Justin McKinney	Wildwood, MO (US)	2	2,132	Seyhan Civanlar	Istanbul, TR	2
2,088	Ami Turgman	Tel Aviv, IL	2	2,133	Ari Birger	Palo Alto, CA (US)	2
2,089	Yosef Dinerstein	Haifa, IL	2	2,134	Danny Davis	Rancho Santa Margarita, CA (US)	2
2,090	Ashwarya Poddar	Seattle, WA (US)	2	2,135	Bhavani K Eshwar	Bengaluru, IN	2
2,091	Si Chen	Shanghai, CN	2	2,136	Subramanian B Manjunath	Bengaluru, IN	2
2,092	Zhenzhen Lin	Shanghai, CN	2	2,137	Soma S Naganna	Bengaluru, IN	2
2,093	Daniel Pacheco	Austin, TX (US)	2	2,138	Subramanian Palaniappan	Bengaluru, IN	2
2,094	Andrew J Coleman	Hursley, GB	2	2,139	Jiayi Shao	Zhejiang, CN	2
2,095	Anthony J O'Dowd	Hursley, GB	2	2,140	Eran Yosef Paran	Hod Hasharon, IL	2
2,096	Patrick Damien O'Brien	Chesire, GB	2	2,141	Shmuel Ur	Shorashim, IL	2
2,097	Dylan Murray	Wake Forest, NC (US)	2	2,142	Yun Wei	San Francisco, CA (US)	2
2,098	Eli Trakhovsky Talmor	Haifa, IL	2	2,143	Joseph Lubin	Brooklyn, NY (US)	2
2,099	Rita Trakhovsky Talmor	Haifa, IL	2	2,144	Charles McCoy	San Mateo, CA (US)	2
2,100	Michael Yuz	Oakland Park, FL (US)	2	2,145	True Xiong	San Mateo, CA (US)	2
2,101	Robert Hatcher	Atlanta, GA (US)	2	2,146	Nathan Blaine Morgan	San Mateo, CA (US)	2
2,102	Wenhui Liu	Hangzhou, CN	2	2,147	Christopher McEniry	San Mateo, CA (US)	2
2,103	David Alan Finkelstein	Boca Raton, FL (US)	2	2,148	Matthew Werner	San Francisco, CA (US)	2
2,104	Paige Erin Finkelstein	Boca Raton, FL (US)	2	2,149	Robert John Kearney	San Francisco, CA (US)	2
2,105	Ali Simone Finkelstein	Boca Raton, FL (US)	2	2,150	Ahmed Nassar	Austin, TX (US)	2
2,106	Ravishankar Chamarajnager	Atlanta, GA (US)	2	2,151	Victor Povar	Burnaby, CA	2
2,107	Devanand Kondur	Alpharetta, GA (US)	2	2,152	Andrew J Polcha	Lovettsville, VA (US)	2
2,108	Vasudev Yendapally	Alpharetta, GA (US)	2	2,153	Michael P Polcha	Lovettsville, VA (US)	2
2,109	Niranjan Maka	Union, GA	2	2,154	Syed Mohammad Ali	Leander, TX (US)	2
2,110	Fabian Portmann	Zürich, CH	2	2,155	Syed Mohammad Amir Husain	Georgetown, TX (US)	2
2,111	Nathaniel Taylor Brockman	Mt. Pleasant, SC (US)	2	2,156	Jinhong Yang	Busan, KR	2
2,112	JiNan Glasgow George	Durham, NC (US)	2	2,157	Aurélien Renaud François Nicolas	Berlin, DE	2
2,113	Hai Tao Tu	Shenzhen, CN	2	2,158	Ron Kahat	Tel Aviv, IL	2
2,114	Sheng Zhang	Hangzhou, CN	2	2,159	Yakov Gurkan	Netanya, IL	2
2,115	Qin Xiong	Hangzhou, CN	2	2,160	Timothy Edward Moses	Ottawa, CA	2

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#	Name	Location	Patents	#	Name	Location	Patents
2,161	John B Geagan, III	San Jose, CA (US)	2	2,206	Craig Dean Isaacs	Bloomington, IL (US)	2
2,162	Kay Sueru Feker	San Francisco, CA (US)	2	2,207	Sejong Kim	Seongnam-si, KR	2
2,163	Steffano Santiago Chavez	Clayton, MO (US)	2	2,208	Jung-Hun Kim	Seongnam-si, KR	2
2,164	Michael Andrew Tomkins	San Francisco, CA (US)	2	2,209	Hyun-woo Yoo	Seongnam-si, KR	2
2,165	Nicole Antonio Maulino	San Ramon, CA (US)	2	2,210	Gad Ruschin	Tel Aviv, IL	2
2,166	Ryan Yi-Lin Tai	Mountain View, CA (US)	2	2,211	Or Garbash	Zufim, IL	2
2,167	Chandrasekhar Narayanaswami	Yorktown Heights, NY (US)	2	2,212	Yair Sappir	Tel Aviv, IL	2
2,168	Ke Liu	Hangzhou, CN	2	2,213	Manimuthu Muthaiya Athmalingam	Bengaluru, IN	2
2,169	Max Lyadvinsky	Moscow, RU	2	2,214	Dinesh Pulivalam Ramakrishnan	Bengaluru, IN	2
2,170	Alexey Raevsky	Moscow, RU	2	2,215	Balakumaran Kannan	Bengaluru, IN	2
2,171	Karina Palyutina	Cambridge, GB	2	2,216	Puneet Keshtwal	Rajasthan, IN	2
2,172	Troels Roennow	Cambridge, GB	2	2,217	Seok Hyun Kim	Daejeon, KR	2
2,173	Kevin McMurdie	Surprise, AZ (US)	2	2,218	Sangrae Cho	Daejeon, KR	2
2,174	Ganesh P Gadhe	Phoenix, AZ (US)	2	2,219	Young Seob Cho	Daejeon, KR	2
2,175	Prabakar Rangarajan	Chennai, IN	2	2,220	Soo Hyung Kim	Daejeon, KR	2
2,176	Dinesh C Verma	New Castle, NY (US)	2	2,221	Youngsam Kim	Daejeon, KR	2
2,177	Namik Hrle	Boeblingen, DE	2	2,222	Seung Hun Jin	Daejeon, KR	2
2,178	David M Goemer	Frisco, TX (US)	2	2,223	Jung Yeon Hwang	Daejeon, KR	2
2,179	Xinlin Wang	Irvine, CA (US)	2	2,224	Daniel Ford	Mount Kisco, NY (US)	2
2,180	Timothy J Hahn	Cary, NC (US)	2	2,225	Thomas M Brehmer	Burlingame, CA (US)	2
2,181	Peng Ji	Nanjing, CN	2	2,226	Yuri Vizitei	Columbia, MO (US)	2
2,182	John Marley Gray	Bellevue, WA (US)	2	2,227	Zhihui Zhang	Beijing, CN	2
2,183	Morgan Hayduk	Vancouver, CA	2	2,228	Deepshikha Bansal	Cumming, GA (US)	2
2,184	Satayan Mahajan	Cambridge, MA (US)	2	2,229	Hitoshi Yamakado	Tokyo, JP	2
2,185	Vijay Anand Chidambaram	Chennai, IN	2	2,230	Tsuyoshi Kameda	Tokyo, JP	2
2,186	Rajesh Kumar Radhakrishnan Varadhan	Chennai, IN	2	2,231	Hiroyuki Kuramoto	Nagano, JP	2
2,187	Balaji Thilagar	Chennai, IN	2	2,232	Haibin Wang	Hangzhou, CN	2
2,188	Vijayanand Ravivarman	Chennai, IN	2	2,233	Yanyan Hu	Singapore, SG	2
2,189	Kameshwaran Sampath	Bengaluru, IN	2	2,234	Zhiwei Wang	Hanzhou, CN	2
2,190	Sandeep Kumar Mishra	Grenoble, FR	2	2,235	Apurva Kumar	Uttar Pradesh, IN	2
2,191	Timothy J Courtney	Longmont, CO (US)	2	2,236	Narayana Aditya Madineni	Southport, AU	2
2,192	Hongbo Cai	Hangzhou, CN	2	2,237	Leigh Stuart McLean	Nerang, AU	2
2,193	Shiqi Jiang	Hangzhou, CN	2	2,238	Stéphane Tual	Twickenham, GB	2
2,194	Vita Bortnikov	Haifa, IL	2	2,239	Zi Jian Ji	Beijing, CN	2
2,195	Michael Factor	Haifa, IL	2	2,240	Yuan Yuan Li	Beijing, CN	2
2,196	Jason Resch	Chicago, IL (US)	2	2,241	Jonas Nick	Frankfurt am Main, DE	2
2,197	Ondrej Zizka	Brno, CZ	2	2,242	Jiang Wang	Zhejiang, CN	2
2,198	Sandeep Kumar Chauhan	Hyderabad, IN	2	2,243	Paul Richard Gauvreau, Jr	Rancho Santa Fe, CA (US)	2
2,199	Sarat Kumar Magatapalli	Hyderabad, IN	2	2,244	Manu Drijvers	Rüschlikon, CH	2
2,200	Yash Sharma	Delhi, IN	2	2,245	Michael S Gordon	Yorktown Heights, NY (US)	2
2,201	Prashant Rao	Ypsilanti, MI (US)	2	2,246	Yehuda Jay Berg	Walnut Creek, CA (US)	2
2,202	Michael Joseph Gaeta	San Antonio, TX (US)	2	2,247	John Sheehan	Dublin, IE	2
2,203	Leif Agerholm Roll	Bloomington, IL (US)	2	2,248	Sudip Dutta	Kolkata, IN	2
2,204	Eric Webster	Bloomington, IL (US)	2	2,249	Teresa Sheausan Tung	Tustin, CA (US)	2
2,205	Gregory Hayward	Bloomington, IL (US)	2	2,250	Luiz Pizzato	Melrose Park, AU	2

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#	Name	Location	Patents	#	Name	Location	Patents
2,251	Deborah Garand	Newfields, NH (US)	2	2,296	Shaun Coleman	San Jose, CA (US)	2
2,252	Atieh Ranjbar Kermany	Macquarie Park, AU	2	2,297	Anna Linne	Mendham, NJ (US)	2
2,253	Chia Jung Chang	Sunnybank Hills, AU	2	2,298	Fabio Aiello	Rome, IT	2
2,254	Arjun Sitaraman Krishnan	Seattle, WA (US)	2	2,299	Gary Dean Iosbaker	Fort Collins, CO (US)	2
2,255	Mathew D Gardner	Lewisville, TX (US)	2	2,300	Shiyu Wang	Hangzhou, CN	2
2,256	Abhishek Sharma	Ann Arbor, MI (US)	2	2,301	Adiseshu Hari	Holmdel, NJ (US)	2
2,257	Jiankang Sun	Hangzhou, CN	2	2,302	Zhenyu Yang	Hangzhou, CN	2
2,258	Glen J Anderson	Beaverton, OR (US)	2	2,303	Erik Voorhees	Dillion, CO (US)	2
2,259	Roberto Salomon	Brasília, BR	2	2,304	Anwar Walid	Watchung, NJ (US)	2
2,260	Nikhil Marathe	Palatine, IL (US)	2	2,305	Adam R Koeppel	Washington, DC (US)	2
2,261	Fortune Vieyra	Houston, TX (US)	2	2,306	Molly Johnson	Alexandria, VA (US)	2
2,262	Ryo Kawahara	Tokyo, JP	2	2,307	Tyler Locke	Jersey City, NH (US)	2
2,263	Yuri Kroz	Vancouver, CA	2	2,308	Kevan Emmott	Arlington, VA (US)	2
2,264	Bonnie Ishiguro	San Jose, CA (US)	2	2,309	Olawale Oluwadamilere Omotayo Dada	London, GB	2
2,265	Varun Ojha	Panchkula, IN	2	2,310	Vishal S Batra	Noida, IN	2
2,266	Guang Han Sui	Beijing, CN	2	2,311	Michael Edward Alexander	Great Falls, VA (US)	2
2,267	Peng Hui Jiang	Beijing, CN	2	2,312	Michael Bässler	Bempflingen, DE	2
2,268	Runting Shi	Sunnyvale, CA (US)	2	2,313	Joseph Santilli	Atlanta, GA (US)	2
2,269	Zhihao Shang	Shenzhen, CN	2	2,314	Benjamin Casha	Fort Myers, FL (US)	2
2,270	Hongfei Zhou	Shenzhen, CN	2	2,315	Wei Ding	Hangzhou, CN	2
2,271	Jonathan Fry	Fishkill, NY (US)	2	2,316	Eric de Beus	Redondo Beach, CA (US)	2
2,272	Christopher J Penny	Saratoga Springs, NY (US)	2	2,317	Ziyuan Wang	Malvern East, AU	2
2,273	Marc Bergendahl	Rensselaer, NY (US)	2	2,318	Yueyang Zhang	Chengdu, CN	2
2,274	Christopher J Waskiewicz	Rexford, NY (US)	2	2,319	John T Daly	Frederick, MD (US)	2
2,275	Jean Wynne	Nassau, NY (US)	2	2,320	Fenno F Heath, III	Woodbridge, CT (US)	2
2,276	James Demarest	Rensselaer, NY (US)	2	2,321	Brian R Muras	Ostego, MN (US)	2
2,277	Collin Knock	San Juan, PR (US)	2	2,322	Chad A Olstad	Rochester, MN (US)	2
2,278	Vivek Govekar	Chicago, IL (US)	2	2,323	Sridhar Muppidi	Austin, TX (US)	2
2,279	Deepak Yadav	Gurgaon, IN	2	2,324	Bo Zhang	Cary, NC (US)	2
2,280	Carlos Kuchkovsky Jimenez	Madrid, ES	2	2,325	Alexander Sobran	Chapel Hill, NC (US)	2
2,281	Chi-Jsung Lee	New Taipei, TW	2	2,326	Sal Khan	Ottawa, CA	2
2,282	Pradeepkumar Duraisamy Soundrapandian	Sivakasi, IN	2	2,327	Geoffrey Dagley	McKinney, TX (US)	2
2,283	Shubham Bijawat	Haryana, IN	2	2,328	Micah Price	Plano, TX (US)	2
2,284	Jae Kim	Atlanta, GA (US)	2	2,329	Jason Hoover	Grapevine, TX (US)	2
2,285	Avinash Rao	Surat, IN	2	2,330	Arturo Maria	Bellevue, WA (US)	2
2,286	Mic Bowman	Beaverton, OR (US)	2	2,331	Vijay Ekambaram	Chennai, IN	2
2,287	Shelby Solomon Darnell	Nairobi, KE	2	2,332	Anthony M Butler	Dubai, AE	2
2,288	Min Li	Hangzhou, CN	2	2,333	Ghada Dulaim	Dubai, AE	2
2,289	Hui Xu	Hangzhou, CN	2	2,334	Victor Usobiaga	Dubai, AE	2
2,290	Tirumaleswar Reddy Konda	Bengaluru, IN	2	2,335	Swapnajeet Gon Choudhury	Bengaluru, IN	2
2,291	Harsha Ramamurthy Joshi	Bengaluru, IN	2	2,336	Adam Patten Burden	Tampa, FL (US)	2
2,292	Piyush Pramod Joshi	Aurangabad, IN	2	2,337	Dilinur Wushour	Clayton, CA (US)	2
2,293	Eric Koenig	Huntington, NY (US)	2	2,338	Kejia Li	Zhejiang, CN	2
2,294	Kaoutar Elkhiyaoui	Rueschlikon, CH	2	2,339	Pengfei Huan	Shenzhen, CN	2
2,295	John Metzger	Campbell, CA (US)	2	2,340	Frank Yifan Chen Lu	Shenzhen, CN	2

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#	Name	Location	Patents	#	Name	Location	Patents
2,341	Kevin Ben Hicks	Huntersville, NC (US)	2	2,386	Timothy Warren Mattingly	Chesterfield, MO (US)	2
2,342	Dominic Immanuel Letz	Taipei, TW	2	2,387	Rachit Garg	Faridabad, IN	2
2,343	Samuel Stuart Webster	Anacortes, WA (US)	2	2,388	Mudit Verma	New Delhi, IN	2
2,344	Hans Aaron Rempel	Dillard, OR (US)	2	2,389	William P Jacobson	Matthews, NC (US)	2
2,345	Qimeng Zou	Hangzhou, CN	2	2,390	Yuki Kondo	Cupertino, CA (US)	2
2,346	Robert James Mark Hain	Sanremo, IT	2	2,391	Mark Smith	New York, NY (US)	2
2,347	Mathews Thomas	Flower Mound, TX (US)	2	2,392	Anush Vijayaraghavan	New York, NY (US)	2
2,348	Shawn David Corey	Kenmore, WA (US)	2	2,393	Evan Wagner	New York, NY (US)	2
2,349	Le Zhang	Hangzhou, CN	2	2,394	Yiqun Yin	Riverside, CT (US)	2
2,350	Ming Zhu	Zhejiang, CN	2	2,395	Kevin Gary Smith	Lehi, UT (US)	2
2,351	Damian Gruber	Heidelberg, DE	2	2,396	Isha Maggu	London, GB	2
2,352	Antorweep Chakravorty	Stavanger, NO	2	2,397	Ian Lobo	Brights Grove, CA	2
2,353	Chunming Rong	Stavanger, NO	2	2,398	Ian Gray	Braunton, GB	2
2,354	Muneeb Ali	Brooklyn, NY (US)	2	2,399	Moustafa Bounasser	Newcastle upon Tyne, GB	2
2,355	Michael J Freedman	Princeton, NJ (US)	2	2,400	Binh Q Nguyen	Raleigh, NC (US)	2
2,356	Diwaker Gupta	Brooklyn, NY (US)	2	2,401	Jason Nadeau	Missouri City, TX (US)	2
2,357	Jesse Soslow	Brooklyn, NY (US)	2	2,402	Gautham Pamu	Round Rock, TX (US)	2
2,358	Patrick Stanley	Los Angeles, CA (US)	2	2,403	Hongfu Pang	Shenzhen, CN	2
2,359	David Benini	Manchester, MA (US)	2	2,404	Bruce Kleinman	Mountain View, CA (US)	2
2,360	Roberta Jo Cochrane	Mount Kisco, NY (US)	2	2,405	Jayaraman Ganeshmani	Plano, TX (US)	2
2,361	Zhenyu Wang	Hangzhou, CN	2	2,406	Jacob Creech	McKinney, TX (US)	2
2,362	Songbo Yue	Hangzhou, CN	2	2,407	Kamesh Raghavendra	Bangalore Karnataka, IN	2
2,363	Nan Li	Hangzhou, CN	2	2,408	Shaun Keith Blake	Chalfont St Giles, GB	2
2,364	Yu Yan	Hangzhou, CN	2	2,409	Stephen John Pomfret	London, GB	2
2,365	Doo Yeol Kim	Seoul, KR	2	2,410	Sang Hyeon Kim	Seoul, KR	2
2,366	Shan Gao	Beijing, CN	2	2,411	Charles D Robison	Buford, GA (US)	2
2,367	Xue F Gao	Beijing, CN	2	2,412	Richard Redpath	Cary, NC (US)	2
2,368	Peng Han	Beijing, CN	2	2,413	Daniel A Gisolfi	Hopewell, NY (US)	2
2,369	Zhen Y Shi	Beijing, CN	2	2,414	Bryce A Curtis	Round Rock, TX (US)	2
2,370	Qing F Zhang	Beijing, CN	2	2,415	Aaron K Reed	Cary, NC (US)	2
2,371	Zhou Yinsheng	Singapore, SG	2	2,416	Pradipta K Banerjee	Bengaluru, IN	2
2,372	Robert A Lotter	Las Vegas, NV (US)	2	2,417	Pooja Kulkarni	Bengaluru, IN	2
2,373	Timothy S Allard	Sheridan, OR (US)	2	2,418	Harshal S Patil	Bengaluru, IN	2
2,374	George Fortney	Toms River, NJ (US)	2	2,419	Gideon Samid	Rockville, MD (US)	2
2,375	Masaaki Isozu	Tokyo, JP	2	2,420	Raghuraman Govindaraj	Princeton, NJ (US)	2
2,376	Matt Dugan	Plano, TX (US)	2	2,421	Sharad Rao	Princeton, NJ (US)	2
2,377	Antoine Rabenandrasana	Nice, FR	2	2,422	Sanjay Ungarala	New Brunswick, NJ (US)	2
2,378	Ronell Levatte	Tampa, FL (US)	2	2,423	Daniel W Bingham	South Jordan, UT (US)	2
2,379	Ryan Seay	Cambridge, MA (US)	2	2,424	Raveendra Babu Madala	Karnataka, IN	2
2,380	Seung Won Son	Seoul, KR	2	2,425	Jun Tong	Hangzhou, CN	2
2,381	Yeong Min Seo	Seoul, KR	2	2,426	Rama Kondru	Morris Plains, NJ (US)	2
2,382	Gunjan Bhardwaj	Koenigstein, DE	2	2,427	Thomas Doyle	Hoboken, NJ (US)	2
2,383	Andrea Milazzo	Antibes-Juan les pins, FR	2	2,428	Lichen Shen	Irvine, CA (US)	2
2,384	Emmanuel Viale	Cagnes-sur-Mer, FR	2	2,429	Huazhong Wang	Hangzhou, CN	2
2,385	Anthony Paul Murphy	Singapore, SG	2	2,430	Rhonda L Childress	Austin, TX (US)	2

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#	Name	Location	Patents	#	Name	Location	Patents
2,431	Rahul Gupta	Leander, TX (US)	2	2,476	David G Tovey	Rogers, AR (US)	2
2,432	David B Kumhyr	Austin, TX (US)	2	2,477	Daniel W Young	Rogers, AR (US)	2
2,433	Wenbin Zhang	Singapore, SG	2	2,478	Joseph Jurich	Molino, FL (US)	2
2,434	Charles Lobo	Cave Springs, AR (US)	2	2,479	Scott Hines	Fountain Hills, AZ (US)	2
2,435	Charles E Beller	Baltimore, MD (US)	2	2,480	Arvind Kumar	Bengaluru, IN	2
2,436	Sean M Fuoco	New York, NY (US)	2	2,481	Bidhu Sahoo	Bengaluru, IN	2
2,437	Chennakesavalu Govindasamy	Schaumburg, IL (US)	2	2,482	Gerhard H Widmayer	Herrenberg, DE	2
2,438	Prashant Verma	Seattle, WA (US)	2	2,483	Richard Michael Parris	Parkville, AU	2
2,439	Ronil Sudhir Mokashi	Mercer Island, WA (US)	2	2,484	Sungwoo Yang	Bucheon-si, KR	2
2,440	Giuseppe Veneziano	Montebello, CA (US)	2	2,485	Jaekyung Chon	Seoul, KR	2
2,441	Alexei Karve	Mohegan Lake, NY (US)	2	2,486	Ik Jung Choi	Seoul, KR	2
2,442	Neeraj Asthana	Acton, MA (US)	2	2,487	Hyun Min Park	Seoul, KR	2
2,443	Ju Min Lee	Seongnam-si, KR	2	2,488	Jieun Park	Seoul, KR	2
2,444	Daby M Sow	Croton on Hudson, NY (US)	2	2,489	Jeongsun Seo	Seoul, KR	2
2,445	John Kelly	Mallow Cork, IE	2	2,490	Changhoon Kim	Gwangmyeong-si, KR	2
2,446	Craig Winter	Felton, CA (US)	2	2,491	Charles Piron	Lyons, FR	2
2,447	Bhumit Patel	Atlanta, GA (US)	2	2,492	Ryan Anderson	Kensington, CA (US)	2
2,448	Huiyue Xu	Tampa, FL (US)	2	2,493	Joseph Kozhaya	Morrisville, NC (US)	2
2,449	Hao Li	Chengdu, CN	2	2,494	Christopher M Madison	Charlotte, NC (US)	2
2,450	Brandon Z Frank	Princeton, NJ (US)	2	2,495	John Wolpert	Raleigh, NC (US)	2
2,451	Joseph A Latone	San Francisco, CA (US)	2	2,496	Donna L Polehn	Kirkland, WA (US)	2
2,452	Christopher L Zachary	Troy, MI (US)	2	2,497	Patricia R Chang	San Ramon, CA (US)	2
2,453	Jehuda Shemer	Kfar Saba, IL	2	2,498	Fred Weisbrod	Renton, WA (US)	2
2,454	Marcus Andrade	Houston, TX (US)	2	2,499	Corey J Christopherson	Bainbridge Island, WA (US)	2
2,455	Ashish Raghavendra Tetali	Dardenne Prarie, MO (US)	2	2,500	Jiangxing Wu	Zhengzhou, CN	2
2,456	Callum Stuart Hyland	London, GB	2	2,501	Han Wang	Shenzhen, CN	2
2,457	Laurence Richard Freeman	London, GB	2	2,502	Kedan Li	Shenzhen, CN	2
2,458	Ennio Acernese	Rome, IT	2	2,503	Wyndell Love Bibera	Cainta, PH	2
2,459	Pasquale Di Tucci	Latina, IT	2	2,504	James Arnold A Faeldon	Bacoor, PH	2
2,460	K Tirumaleswar Reddy	Bengaluru, IN	2	2,505	Alexis V Pantola	Las Pinas, PH	2
2,461	Puneeth Rao Lokapalli	Bengaluru, IN	2	2,506	Andres Kroonmaa	Saue Vald, EE	2
2,462	Charlie Housholder	Durham, NC (US)	2	2,507	Nikolaos Spanos	New York, NY (US)	2
2,463	Jordan White Chaney	Durham, NC (US)	2	2,508	Andrew R Martin	New York, NY (US)	2
2,464	Christian Nimsch	Raleigh, NC (US)	2	2,509	Eric T Dixon	North Bergen, NJ (US)	2
2,465	Bryce Nelson Chaney	Swansboro, NC (US)	2	2,510	Archak Mittal	Canton, MI (US)	1
2,466	Donna Eng Dillenberger	Yorktown Heights, NY (US)	2	2,511	Haibo Sun	Beijing, CN	1
2,467	Tara Astigarraga	Fairport, NY (US)	2	2,512	Haiquan Huang	Beijing, CN	1
2,468	Yixin Diao	White Plains, NY (US)	2	2,513	Mansura Habiba	Jhonstown, IE	1
2,469	Karin Murthy	Elmsford, NY (US)	2	2,514	Jeffrey C Venable, Sr	Union City, CA (US)	1
2,470	Matthew Little	New York, NY (US)	2	2,515	Ramanathan Jagadeesan	Saratoga, CA (US)	1
2,471	Debbie Anglin	Williamson, TX (US)	2	2,516	Reza Fatahi	Encino, CA (US)	1
2,472	Yu Liu	Beijing, CN	2	2,517	Dane Scarborough	Culver City, CA (US)	1
2,473	Kamal K Bhattacharya	Nairobi, KE	2	2,518	Thomas Treitlinger	Dublin, IE	1
2,474	Seung Il Ra	Seoul, KR	2	2,519	Nick Newberg	Los Angeles, CA (US)	1
2,475	Hee Soon Kim	Gyeonggi-do, KR	2	2,520	Nathanael Schager	Los Angeles, CA (US)	1

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#	Name	Location	Patents	#	Name	Location	Patents
2,521	Gamze Inanc	Los Angeles, CA (US)	1	2,566	Cuy Sheffield	Menlo Park, CA (US)	1
2,522	Ahmed Abdulla	Therwil, CH	1	2,567	Juan Carlos Flores Perez	The Woodlands, TX (US)	1
2,523	Johnson Manuel-Devadoss	San Antonio, TX (US)	1	2,568	Mikhail Gladkikh	Conroe, TX (US)	1
2,524	Brian R Gallagher	Georgetown, KY	1	2,569	Lum Ramabaja	Bury St Edmunds, GB	1
2,525	Darwin R Lo	Georgetown, KY	1	2,570	Dulce B Ponceleon	Palo Alto, CA (US)	1
2,526	Prashant Khare	Mumbai, IN	1	2,571	Philippe Desmarais	Montréal, CA	1
2,527	Abhishek Trivedi	Hyderabad, IN	1	2,572	Thierry St-Jacques-Gagnon	Montréal, CA	1
2,528	Gaurav Dadhich	Gurgaon, IN	1	2,573	Alexandra Covaci	Canterbury, GB	1
2,529	Saurabh Dutta	Delhi, IN	1	2,574	Rajeev Advani	Brooklyn, NY (US)	1
2,530	Shruti Nandini Thakur	Hyderabad, IN	1	2,575	Vu Tran	Bellevue, WA (US)	1
2,531	Parneet Kaur Gujral	Gurugram, IN	1	2,576	Ilie Circiumaru	Rueschlikon, CH	1
2,532	Zeno Valerian Anthony	Hyderabad, IN	1	2,577	Miguel Angel Prada Delgado	Rueschlikon, CH	1
2,533	Arun Murti	Mission Viejo, CA (US)	1	2,578	Marc Ph Stoecklin	Rueschlikon, CH	1
2,534	Adam E Brenner	Mission Viejo, CA (US)	1	2,579	Jesus Diaz Vico	Rüschlikon, CH	1
2,535	Mark D Malamut	Aliso Viejo, CA (US)	1	2,580	Yuan He	Nanjing, CN	1
2,536	Joey C Lei	Irvine, CA (US)	1	2,581	Hui Liu	Nanjing, CN	1
2,537	Kyoung Chul Park	Gimpo-si, KR	1	2,582	Yan Wang	Nanjing, CN	1
2,538	James Zarakas	Centerville, VA (US)	1	2,583	Yao Sun	Nanjing, CN	1
2,539	Saleem Sangi	Arlington, VA (US)	1	2,584	Nikhil Adnani	Toronto, CA	1
2,540	Sidhartha Chandran	Tamil Nadu, IN	1	2,585	Justin Davis	Normal, IL (US)	1
2,541	John Mullins	Riverview, FL (US)	1	2,586	Ryan Gammelgard	Bloomington, IL (US)	1
2,542	Wendy Bartlett	Odessa, FL (US)	1	2,587	Mani Madhukar	Gautam Budh Nagar, IN	1
2,543	Luca Bert	San Jose, CA (US)	1	2,588	Vineet Khatri	Sonipat, IN	1
2,544	Joseph Harold Steinmetz	Loomis, CA (US)	1	2,589	Ibrahim Badr	New York, NY (US)	1
2,545	Johannes Adrianus Wilhelmus Röling	Gouda, NL	1	2,590	Chayapathy Gangadarappa	Alpharetta, GA (US)	1
2,546	Joseph Nicolaas Gijsbertus Zeinstra	Duivendrecht, NL	1	2,591	Erik M Simpson	Houston, TX (US)	1
2,547	Blessy Vohra	Uttar Pradesh, IN	1	2,592	Todor Yotkov Yotov	Sofia, BG	1
2,548	Kenichi Gokan	Tokyo, JP	1	2,593	John Melvin Meyer, Jr	Lenexa, KS (US)	1
2,549	Laurent Topart	Chatillon, FR	1	2,594	Subha Lalitha Bhattiprolu	Hyderabad, IN	1
2,550	Philippe Legay	Chatillon, FR	1	2,595	Richard Linwood Linscott	Plainville, MA (US)	1
2,551	Raffi Basmadjian	Chatillon, FR	1	2,596	Alexander Park Johnson	Houston, TX (US)	1
2,552	Akiva Dubrofsky	Toronto, CA	1	2,597	Takaaki Kato	Tokyo, JP	1
2,553	Ashwin Tumne	Toronto, CA	1	2,598	Kwang Bum Lee	Bucheon-si, KR	1
2,554	Patrick D O'Meara	Northville, MI (US)	1	2,599	Nicholas Franco	San Jose, CA (US)	1
2,555	Richard Gates Bunker, Jr	Jenkintown, PA (US)	1	2,600	Matthew Bramlet	Peoria, IL (US)	1
2,556	Quentin Vidal	Brooklyn, NY (US)	1	2,601	Justin Douglas Drawz	Chicago, IL (US)	1
2,557	Scott Jason Landers	Madison Heights, MI (US)	1	2,602	Steven J Garrou	Wilmette, IL (US)	1
2,558	Jeannette L Spaulding	Miami, FL (US)	1	2,603	Christine Mancini Varani	Newtown, PA (US)	1
2,559	Kevin M Cuddeback	Medford, MA (US)	1	2,604	Hwanjo Heo	Daejeon, KR	1
2,560	Sanjay Vatsa	Manalapan, NJ (US)	1	2,605	Chern Ann Ng	Singapore, SG	1
2,561	David Todd Stevens	Short Hills, NJ (US)	1	2,606	Carlos Pajares Bernardez	Bangkok, TH	1
2,562	Michael Carlo Creadon	Chicago, IL (US)	1	2,607	Vittorio Loreto	Stuttgart, DE	1
2,563	Christos Alkiviadis Polyzois	Bloomington, MN (US)	1	2,608	Vito D P Servedio	Vienna, AT	1
2,564	Frank Anthony Nuzzi	Pflugersville, TX (US)	1	2,609	Niklas Reisz	Vienna, AT	1
2,565	Atul Luykx	San Francisco, CA (US)	1	2,610	Stefan Thurner	Vienna, AT	1

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#	Name	Location	Patents	#	Name	Location	Patents
2,611	Evgeny Aseev	Singapore, SG	1	2,656	Charles Christian Bedford	Yonkers, NY (US)	1
2,612	Laurent Dedenis	Singapore, SG	1	2,657	Chongxin Luo	Culver City, CA (US)	1
2,613	Dmitry Chepurovskiy	Limassol, CY	1	2,658	Daniel Sanchez	Culver City, CA (US)	1
2,614	Anton Zaslavskii	Tel Aviv, IL	1	2,659	Yilu Fan	Los Angeles, CA (US)	1
2,615	Serg Bell	Singapore, SG	1	2,660	Fausto Spoto	Zug, CH	1
2,616	Stanislav Protasov	Singapore, SG	1	2,661	Iris Dimni	Zug, CH	1
2,617	Robert Collins	Blackrock, IE	1	2,662	Francesco Pasetto	Zug, CH	1
2,618	Conor McQuillan	Stillorgan, IE	1	2,663	Giovanni Antino	Zug, CH	1
2,619	Susan Lynch	Cavan, IE	1	2,664	Shiro Kunori	Kanagawa, JP	1
2,620	Bella Wu	Roslyn, NY (US)	1	2,665	Armin Ebrahimi	Los Gatos, CA (US)	1
2,621	Ben Schreck	San Francisco, CA (US)	1	2,666	Amor Chowdhury	Kamnica, SI	1
2,622	Ankit Chiplunkar	San Francisco, CA (US)	1	2,667	Milos Urbanija	Izlake, SI	1
2,623	Matt Moore	San Francisco, CA (US)	1	2,668	Luka Goste	Izlake, SI	1
2,624	Olivia Thet	San Francisco, CA (US)	1	2,669	Dalibor Igrec	Maribor, SI	1
2,625	Trevor Aron	San Francisco, CA (US)	1	2,670	Young-Ho Kim	Daejeon, KR	1
2,626	Shikhar Kwatra	San Jose, CA (US)	1	2,671	Kyeong-Tae Kim	Daejeon, KR	1
2,627	Tawsif Khan	Cedar Park, TX (US)	1	2,672	Jeong-Nyeo Kim	Daejeon, KR	1
2,628	Beau L Button	Cedar Park, TX (US)	1	2,673	Seon-Gyoung Sohn	Daejeon, KR	1
2,629	Shuang Zeng	Beijing, CN	1	2,674	Yun-Kyung Lee	Daejeon, KR	1
2,630	Xianglong Li	Beijing, CN	1	2,675	Jae-Deok Lim	Sejong-si, KR	1
2,631	Yifeng Ding	Beijing, CN	1	2,676	Mark Goldston	Beverly Hills, CA (US)	1
2,632	Anqi Liang	Beijing, CN	1	2,677	Stacy Haitsuka	Las Vegas, NV (US)	1
2,633	Mingquan Qiu	Beijing, CN	1	2,678	John Kohl	Henderson, NV (US)	1
2,634	Zhao Wang	Beijing, CN	1	2,679	Ofek Hayon	Las Vegas, NV (US)	1
2,635	Ping Chen	Beijing, CN	1	2,680	Harold MacKenzie	Torrance, CA (US)	1
2,636	Qijing Xing	Beijing, CN	1	2,681	Karl Diedrich	Reading, MA (US)	1
2,637	Lin Ma	Beijing, CN	1	2,682	Marwan Sati	Mississauga, CA	1
2,638	Dapeng Duan	Beijing, CN	1	2,683	Jennifer C Quattrone-Brown	Garland, TX (US)	1
2,639	Huanna Niu	Beijing, CN	1	2,684	Mark D Bronkalla	Waukesha, WI (US)	1
2,640	Xuwu Ge	Beijing, CN	1	2,685	Paul Michael Gerhardt	Oakland, CA (US)	1
2,641	Zongsheng Li	Beijing, CN	1	2,686	Yuhg-Chang Tai	New Taipei, TW	1
2,642	Leo Liang	Oakland, CA (US)	1	2,687	James Rilett	London, GB	1
2,643	Wisam Dakka	Oakland, CA (US)	1	2,688	Isabel Tang	London, GB	1
2,644	Xiaolei Peng	Oakland, CA (US)	1	2,689	Mark Gilleeney	London, GB	1
2,645	Clay Douglass	Austin, TX (US)	1	2,690	Janjoost Jullens	Rotterdam, NL	1
2,646	Richard Banh	Port Alberni, CA	1	2,691	Raza Hassan	London, GB	1
2,647	Logan A Wells	Lewes, DE (US)	1	2,692	Jan-Gerrit Harms	Rotterdam, NL	1
2,648	Rick Anthony Wells	Lewes, DE (US)	1	2,693	Sandor Ivancsics	Rotterdam, NL	1
2,649	Jonah Burglin	Savannah, GA (US)	1	2,694	Bryan Walser Nonni	Atlanta, GA (US)	1
2,650	Jordan Burglin	Phoenix, AZ (US)	1	2,695	Abdulwahab Jarkas	Atlanta, GA (US)	1
2,651	Soumyajit Mitra	New York, NY (US)	1	2,696	Xinli Tian	Shanghai, CN	1
2,652	Jamal Khan	Ridgefield, NJ (US)	1	2,697	Devan Moodley	Manchester, GB	1
2,653	Oskar Duris	Walnut Creek, CA (US)	1	2,698	Daniel Francisco Uribe	San Mateo, CA (US)	1
2,654	Sasyasri Geedipalli	Rye Brook, NY (US)	1	2,699	William Buchanan	San Mateo, CA (US)	1
2,655	Shashi Raghunandan	Old Greenwich, CT (US)	1	2,700	Tsz-Chun Michael Chiu	Toronto, CA	1

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#	Name	Location	Patents	#	Name	Location	Patents
2,701	Uros Kalabic	Jamaica Plain, MA (US)	1	2,746	Lidong Gu	Hangzhou, CN	1
2,702	Abraham Goldsmith	Boston, MA (US)	1	2,747	Howard Panes	Bradenton, FL (US)	1
2,703	Krzysztof Misztal	Cracow, PL	1	2,748	Benjamin I Joseph	Grabill, IN (US)	1
2,704	Aleksandra Kubica-Misztal	Cracow, PL	1	2,749	Seth A Nash	Fort Wayne, IN (US)	1
2,705	Tomasz Sluzalec	Czestochowa, PL	1	2,750	Bryce A Isch	Warsaw, IN (US)	1
2,706	Christopher M Johnson	Bella Vista, AR (US)	1	2,751	Deepak Majjiga	Tirupati West, IN	1
2,707	Kai-Ti Hsu	New Taipei, TW	1	2,752	Raghuram Parvataneni	Plano, TX (US)	1
2,708	Xiulong Liu	Tianjin, CN	1	2,753	Himanshu Gupta	New Delhi, IN	1
2,709	Baochao Chen	Tianjin, CN	1	2,754	Mukesh Kumar Mohania	Waramanga, AU	1
2,710	Sheng Qin	Tianjin, CN	1	2,755	Peng Wang	Shenzhen, CN	1
2,711	Keqiu Li	Tianjin, CN	1	2,756	Kevan Connor Mordan	Ogden, UT (US)	1
2,712	David Aviv	Tel Aviv, IL	1	2,757	Mohammad Reza Kavian	Toronto, CA	1
2,713	Daniel D Rush	Philadelphia, PA (US)	1	2,758	Benjamin Ilan Weinberg	Toronto, CA	1
2,714	Joe Rey	Collingswood, NJ (US)	1	2,759	Yunfei Qiao	Hangzhou, CN	1
2,715	Eric Jeanson	Houston, TX (US)	1	2,760	Rongdao Yu	Shenzhen, CN	1
2,716	Jakub Burgis	Scottsdale, AZ (US)	1	2,761	Yinggang Du	Shenzhen, CN	1
2,717	Raoul Johnson	Scottsdale, AZ (US)	1	2,762	Guangjian Wang	Chengdu, CN	1
2,718	Andrew Marshall	Scottsdale, AZ (US)	1	2,763	Song Han	Zhejiang, CN	1
2,719	Muhammad Saad	Scottsdale, AZ (US)	1	2,764	Siqi Ren	Zhejiang, CN	1
2,720	Boaz Bechar	St. Tel Aviv, IL	1	2,765	Haiqing Bai	Zhejiang, CN	1
2,721	David Bloch	Tel Aviv, IL	1	2,766	Ben Niu	Zhejiang, CN	1
2,722	Sungjin Park	Suwon-si, KR	1	2,767	Xiaoli Chen	Zhejiang, CN	1
2,723	Seungmin Ha	Suwon-si, KR	1	2,768	Yulong Luo	Hangzhou, CN	1
2,724	Seongmin Je	Suwon-si, KR	1	2,769	Zhenlong Zhao	Shenzhen, CN	1
2,725	Thyge Knuhtsen	Dallas, TX (US)	1	2,770	Huifeng Li	Beijing, CN	1
2,726	David A Carlson	Haslet, TX (US)	1	2,771	Shuang Zhang	Beijing, CN	1
2,727	Alexander Tennyson MacKay	London, GB	1	2,772	Austin Walters	Savoy, IL (US)	1
2,728	Jin Hong Yang	Daejeon, KR	1	2,773	Jeremy Goodsitt	Champaign, IL (US)	1
2,729	Md Mehedi Hassan Onik	Gyeongsangnam-do, KR	1	2,774	Paritosh P Ramanan	Atlanta, GA (US)	1
2,730	Nam Yong Lee	Gyeongsangnam-do, KR	1	2,775	Nagi Z Gebraeel	Marietta, GA (US)	1
2,731	Jason Jay Lacoss-Arnold	St. Louis, MO (US)	1	2,776	Sathyanarayanan Manamohan	Chennai, IN	1
2,732	Qingzheng Shang	Shenzhen, CN	1	2,777	Peter Groarke	Dublin, IE	1
2,733	Chen Yang	Shenzhen, CN	1	2,778	Yong-Ping Zheng	Shanghai, CN	1
2,734	Nisha Surendran	London, GB	1	2,779	Shih-Kuang Tsai	New Taipei, TW	1
2,735	Jack White	London, GB	1	2,780	Hugo Garcia-Cotte	Savins, FR	1
2,736	Justin Karol	New York, NY (US)	1	2,781	Xiaoliang Wang	Zhejiang, CN	1
2,737	Mark Krietzman	Palos Verdes Estates, CA (US)	1	2,782	Linyu Chen	Zhejiang, CN	1
2,738	Michael Grant	Walpole, MA (US)	1	2,783	Angelo De Caro	Zurich, CH	1
2,739	Rachel Marison	Honolulu, HI (US)	1	2,784	Toly Kournik	Herzliya, IL	1
2,740	Avinav Khanal	Duesseldorf, DE	1	2,785	Tsvetomir Dimitrov	Sofia, BG	1
2,741	Novi Rahman	Duesseldorf, DE	1	2,786	Giacomo Baldi	Calci, IT	1
2,742	Shiaw-Herng Liu	New Taipei, TW	1	2,787	Gualtiero Fantoni	Riglione, IT	1
2,743	Marc Dickenson	Austin, TX (US)	1	2,788	Daniele Mazzei	Pisa, IT	1
2,744	Sumabala Nair	Austin, TX (US)	1	2,789	Gabriele Montelisciani	San Giuliano Terme, IT	1
2,745	Aaron Pierce	Carmel, IN (US)	1	2,790	Yu Zhao	Beijing, CN	1

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#	Name	Location	Patents	#	Name	Location	Patents
2,791	Robert Leshner	San Francisco, CA (US)	1	2,836	Sahil Chadha	San Jose, CA (US)	1
2,792	Geoffrey Hayes	San Francisco, CA (US)	1	2,837	Nikhil Firke	San Jose, CA (US)	1
2,793	Jared Flatow	San Francisco, CA (US)	1	2,838	Matthias Seul	Pleasant Hill, CA (US)	1
2,794	Torrey Atcitty	San Francisco, CA (US)	1	2,839	Eric Matthew Bell	Emeryville, CA (US)	1
2,795	Coburn Berry	San Francisco, CA (US)	1	2,840	Nicholas M Venezia	San Antonio, TX (US)	1
2,796	Dennis Lyon	Oceanside, CA (US)	1	2,841	Sergey Blagodurov	Bellevue, WA (US)	1
2,797	Joseph W Baumgarte	Carmel, IN (US)	1	2,842	Andrew G Kegel	Bellevue, WA (US)	1
2,798	Robert Martens	Carmel, IN (US)	1	2,843	Arteum Kanda	Pierrefonds, CA	1
2,799	Sean Neal	Indianapolis, IN (US)	1	2,844	John Christopher Muddle	Barcelona, ES	1
2,800	Lachlan Maxwell	Ashburn, VA (US)	1	2,845	Kai Chung Cheung	Markham, CA	1
2,801	Noel J Guillama	Wllington, FL (US)	1	2,846	Michael Francis Byrne	Houston, TX (US)	1
2,802	Gopal Paripally	North Andover, MA (US)	1	2,847	Brian Francis Byrne	Irving, TX (US)	1
2,803	Jason M Ouellette	Sterling, MA (US)	1	2,848	Frank Joseph Lamont Gauld	Edinburgh, GB	1
2,804	Peter Lawrence	Lisburn, GB	1	2,849	Samuel Rapowitz	Roswell, GA (US)	1
2,805	Siu-Ying Patrick Hung	Hong Kong, CN	1	2,850	Xiaoguang Zhu	New York, NY (US)	1
2,806	Nicholas VandenBrekel	Orlando, FL (US)	1	2,851	Edmon Blount	Washinton, DC (US)	1
2,807	Allen L Brown, Jr	Lake Oswego, OR (US)	1	2,852	Jae Hwa Gin	Seongnam-si, KR	1
2,808	Patrick J D Santos	Kirkland, WA (US)	1	2,853	Marcus Brandenburger	Rueschlikon, CH	1
2,809	Nimish Ravindra Deshpande	Mumbai, IN	1	2,854	Jilian Zhang	Guangzhou, CN	1
2,810	Jyoti Kumar	New Delhi, IN	1	2,855	Kailun Yan	Guangzhou, CN	1
2,811	Kumari Priya	Gurgaon, IN	1	2,856	Yongdong Wu	Guangzhou, CN	1
2,812	Stephen Yong	San Francisco, CA (US)	1	2,857	Jian Weng	Guangzhou, CN	1
2,813	Hao Xu	Anhui, CN	1	2,858	Aaron Chao Lin	Chengdu, CN	1
2,814	Louis H Lebowitz	Dallas, TX (US)	1	2,859	Subburathinam Krishnan	Chennai, IN	1
2,815	J Charles Davis, II	Dallas, TX (US)	1	2,860	Prabhakaran Balasubramanian	Vellore, IN	1
2,816	Will E McLaughlin	Dallas, TX (US)	1	2,861	Durga Prasad P Khuttumolu	Hyderabad, IN	1
2,817	Ke Xu	Beijing, CN	1	2,862	Yugandhar Jaini	Hyderabad, IN	1
2,818	Zhichao Zhang	Beijing, CN	1	2,863	Robert Michael Lund	Boulder, CO (US)	1
2,819	Qi Li	Beijing, CN	1	2,864	Hironobu Ueno	Tokyo, JP	1
2,820	Songsong Xu	Beijing, CN	1	2,865	Naohito Tamaya	Tokyo, JP	1
2,821	Ayushi Jain	Jabalpur, IN	1	2,866	Rajendra Mokshagundam	Schaumburg, IL (US)	1
2,822	Sidharth Goel	Kotkapura, IN	1	2,867	Chi-Huang Fan	Taipei, TW	1
2,823	Chandan Garg	Jabalpur, IN	1	2,868	Chien-Yang Hsu	Miaoli County, TW	1
2,824	Xintong Ling	Nanjing, CN	1	2,869	Ming-Chang Shih	Kaohsiung, TW	1
2,825	Yuwei Le	Nanjing, CN	1	2,870	Thomas Fay	Succasunna, NJ (US)	1
2,826	Bowen Zhang	Nanjing, CN	1	2,871	Yolanda Liu	San Francisco, CA (US)	1
2,827	Jiaheng Wang	Nanjing, CN	1	2,872	Ryan Sears	San Francisco, CA (US)	1
2,828	Xiqi Gao	Nanjing, CN	1	2,873	Alan Leung	San Francisco, CA (US)	1
2,829	Rae Kwon Chung	Seoul, KR	1	2,874	Jeremy Suurkivi	San Francisco, CA (US)	1
2,830	Ji Eun Lee	Seoul, KR	1	2,875	Sung-Un Song	Seoul, KR	1
2,831	Terje Ernst Mikalsen	Eden Prairie, MN (US)	1	2,876	Jin-Wook Jung	Seoul, KR	1
2,832	Kaining Wang	Chongqing, CN	1	2,877	Jin Song Zhang	Shenzhen, CN	1
2,833	Michael J T Chan	Cupertino, CA (US)	1	2,878	Mukesh Thakur	Espoo, FI	1
2,834	Sean R Embry	San Jose, CA (US)	1	2,879	Tomas Mecklin	Kyrkslätt, FI	1
2,835	Anuj Kaul	San Jose, CA (US)	1	2,880	Ezer Farhi	Givatavim, IL	1

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#	Name	Location	Patents	#	Name	Location	Patents
2,881	Peleg Atar	Nes Tziona, IL	1	2,926	Kumaresan Karuppiah	Chennai, IN	1
2,882	Nataly Beigel	Modiin, IL	1	2,927	Vinay Jaisinghani	Navi Mumbai, IN	1
2,883	Gal Silverstein	Tel Aviv-Jaffa, IL	1	2,928	Ravi Ranjan Shandilya	Hyderabad, IN	1
2,884	Michael Mualem	Petah Tikva, IL	1	2,929	Samson Paulraj	Hyderabad, IN	1
2,885	Danielle Filin Horovitz	Hashason, IL	1	2,930	Rahul Vishwakarma	Bengaluru, IN	1
2,886	Alona Raz	Petach Tikva, IL	1	2,931	Bing Liu	Tianjin, CN	1
2,887	Michael W Klein	Golden Valley, MN (US)	1	2,932	Parminder Singh Sethi	Punjab, IN	1
2,888	Manuel Merino	West Long Branch, NJ (US)	1	2,933	Fredrik Kamphuis	Kalkar, DE	1
2,889	Pramodsing Bijani	Mumbai, IN	1	2,934	Henry Tumblin	Castine, ME (US)	1
2,890	Mahesh Krishna Bandkar	Mumbai, IN	1	2,935	Gary Southwell	Leander, TX (US)	1
2,891	Mufaddal Moazam Kantawala	Mumbai, IN	1	2,936	Wayne Barakat	Novato, CA (US)	1
2,892	Anand Parulkar	Mumbai, IN	1	2,937	Martin Barrs	San Francisco, CA (US)	1
2,893	Sownak Roy	Manchester, GB	1	2,938	Dominik Vltavsky	Belmont, CA (US)	1
2,894	Ankur A Banerjee	London, GB	1	2,939	Ken Krause	Lakeland, FL (US)	1
2,895	Peter Bidewell	Diss, GB	1	2,940	Praveen Yalagandula	San Francisco, CA (US)	1
2,896	Anisha Garg	Delhi, IN	1	2,941	Vinit Srivastava	New Canaan, CT (US)	1
2,897	Rubesh Mehta	Irving, TX (US)	1	2,942	Keith Loggie	Garden City, NY (US)	1
2,898	Joni Rapanen	Vantaa, FI	1	2,943	Holger Assenmacher	Las Vegas, NV (US)	1
2,899	Tero Jalkanen	Tuusula, FI	1	2,944	Susan Elizabeth Wright	San Antonio, TX (US)	1
2,900	Hubert Marteau	Tours, FR	1	2,945	David M Jones, Jr	San Antonio, TX (US)	1
2,901	Christopher Douglas Atwood	Rochester, NY (US)	1	2,946	Michael Anthony Miller	San Antonio, TX (US)	1
2,902	Frank B Tamarez Gomez	Baldwinsville, NY (US)	1	2,947	Ian Beaver	Spokane, WA (US)	1
2,903	Jacob McCarthy	Williamson, NY (US)	1	2,948	Tatjana Vlahovic	San Jose, CA (US)	1
2,904	Joseph M Ferrara, Jr	Webster, NY (US)	1	2,949	Adnan M Alattar	Tigard, OR (US)	1
2,905	Joseph Fredrick Casey	Webster, NY (US)	1	2,950	Ravi K Sharma	Portland, OR (US)	1
2,906	Tal Muskal	Ramat HaSharon, IL	1	2,951	John A Scriven	Oregon City, OR (US)	1
2,907	Changhui Liu	Shenzhen, CN	1	2,952	Simon Levin	Atlantic Beach, FL (US)	1
2,908	Maja Schwarz	Heidelberg, DE	1	2,953	Robert Davidoff	Southlake, TX (US)	1
2,909	Lin Ni Lisa Cheng	New York, NY (US)	1	2,954	Wenfeng Yang	Beijing, CN	1
2,910	Akira Mitani	Kariya, JP	1	2,955	Wenming Zhe	Beijing, CN	1
2,911	Xin Xu	Kariya, JP	1	2,956	Binbin Xiu	Beijing, CN	1
2,912	Minhyun Kim	Seoul, KR	1	2,957	Christopher Wallace	Frisco, TX (US)	1
2,913	Dongil Seo	Seoul, KR	1	2,958	Brian Barr	Schenectady, NY (US)	1
2,914	Sooyong Bang	Yongin-si, KR	1	2,959	Grant Eden	San Francisco, CA (US)	1
2,915	Seonghwa Yun	Seongnam-si, KR	1	2,960	Samuel Sharpe	Cambridge, MA (US)	1
2,916	Youngseo Yoo	Seoul, KR	1	2,961	Ronald Raymond Austr+e,acu i+ee ng	English Harbour, AG	1
2,917	Sanghee Choi	Seongnam-si, KR	1	2,962	Kenneth A Hill, Sr	Fort Worth, TX (US)	1
2,918	Minsu Lee	Seoul, KR	1	2,963	Brad T Crosslin	Keller, TX (US)	1
2,919	Yong Dae An	Seoul, KR	1	2,964	Clinton S Ferguson, III	Arlington, TX (US)	1
2,920	Seung Woo Jung	Seoul, KR	1	2,965	Gentill Dawoud Abdulla	Dallas, TX (US)	1
2,921	Jung Ho Moon	Seoul, KR	1	2,966	Michael Isaiah Jordan	Houston, TX (US)	1
2,922	Chunxiang Xu	Chengdu, CN	1	2,967	Krzysztof Pietrzak	Vienna, AT	1
2,923	Chuang Li	Chengdu, CN	1	2,968	Mariano Sorgente	Tokyo, JP	1
2,924	Yuan Zhang	Chengdu, CN	1	2,969	Luohai Zheng	Shenzhen, CN	1
2,925	Obi Reddy Yanamala	Hyderabad, IN	1	2,970	Junjie Shi	Shenzhen, CN	1

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#	Name	Location	Patents	#	Name	Location	Patents
2,971	Hujia Chen	Shenzhen, CN	1	3,016	Yang Meng	Beijing, CN	1
2,972	Chuanbing Dai	Shenzhen, CN	1	3,017	Xiangmin Li	Beijing, CN	1
2,973	Jinlong Chen	Shenzhen, CN	1	3,018	Feza H Buyukdura	Fairview, TX (US)	1
2,974	Hiroaki Nakamura	Tokyo, JP	1	3,019	Derek Chamorro	Austin, TX (US)	1
2,975	Robert Barr Thompson	Broomall, PA (US)	1	3,020	Scott York	Cheshunt, GB	1
2,976	Jerry Wald	San Francisco, CA (US)	1	3,021	Scott Caesar	Lakewood, OH (US)	1
2,977	Gopal Padinjaruveetil	Bloomfield Hills, MI (US)	1	3,022	Sam Babic	Melbourne Beach, FL (US)	1
2,978	Michael Rodler	Duisburg, DE	1	3,023	Andrew Sierra	Aurora, CO (US)	1
2,979	Lucas Davi	Duisburg, DE	1	3,024	Chackan Lai	San Jose, CA (US)	1
2,980	Kaitlin Newman	Washington, DC (US)	1	3,025	Nicholas Brandon Newell	Centennial, CO (US)	1
2,981	Justin A Eichel	Kitchener, CA	1	3,026	Swapnil Anil Tilaye	Broomfield, CO (US)	1
2,982	Kurtis N McBride	Kitchener, CA	1	3,027	Chaim Gluck	Miami, FL (US)	1
2,983	Jean-Pierre Bhavnani	Waterloo, CA	1	3,028	Ananya Shrivastava	Chhattisgarh, IN	1
2,984	Jan Bergstrom	Elora, CA	1	3,029	Mohammed Sumair	Uttarakhand, IN	1
2,985	Vincenzo Di Nicola	Bothell, WA (US)	1	3,030	Joydeep Kumar Devnath	Assam, IN	1
2,986	Massimiliano Sala	Trento, IT	1	3,031	Suyash Kandele	Chhattisgarh, IN	1
2,987	Alessio Meneghetti	Cittadella, IT	1	3,032	Govardhan Mattela	Hyderabad, IN	1
2,988	Riccardo Longo	Tesero, IT	1	3,033	Attila Marosi-Bauer	Üröm, HU	1
2,989	Paul Taylor	Saint Peters, MO (US)	1	3,034	Einaras von Gravrock	Hermosa Beach, CA (US)	1
2,990	Hans Aschauer	Munich, DE	1	3,035	Sean Tiernan	Arroyo Grande, CA (US)	1
2,991	Fabrizio De Santis	Munich, DE	1	3,036	Jonas Lekevicius	Vilnius, LT	1
2,992	Steffen Fries	Baldham, DE	1	3,037	Georg Krause	Singapore, SG	1
2,993	Nicholas Juntilla	Santa Monica, CA (US)	1	3,038	Jun-Hong Chen	Taipei, TW	1
2,994	Ronald Raymond Austring	English Harbour, AG	1	3,039	Xun Liu	Hangzhou, CN	1
2,995	Ran Zamir	Ramat Gan, IL	1	3,040	Zhao Cao	Beijing, CN	1
2,996	David Avraham	Even Yehuda, IL	1	3,041	Mustafa Ozdayi	San Francisco, CA (US)	1
2,997	Alexander Bazarsky	Holon, IL	1	3,042	Brock Gilles Doiron	London, GB	1
2,998	Arash Borhany	Davis, CA (US)	1	3,043	Brock Doiron	London, GB	1
2,999	Stuart Simpson	Houston, TX (US)	1	3,044	Kai-Hsin Chuang	Hsinchu County, TW	1
3,000	Joo Han Song	Seongnam-si, KR	1	3,045	Feng Zhao	Xi'an, CN	1
3,001	Joon Sun Uhr	Seongnam-si, KR	1	3,046	Jingyu Feng	Xi'an, CN	1
3,002	James Cramer	Seven Hills, OH (US)	1	3,047	Brian Tougas	Spring Branch, TX (US)	1
3,003	Samuel Wyner	Albertson, NY (US)	1	3,048	Carl Mehner	San Antonio, TX (US)	1
3,004	Kevin Julian Bornatsch	Jersey City, NJ (US)	1	3,049	Sean Carl Mitchem	San Antonio, TX (US)	1
3,005	Salvatore Joseph Ternullo	Medford, MA (US)	1	3,050	Brian F Shipley	San Antonio, TX (US)	1
3,006	Han Xu	San Jose, CA (US)	1	3,051	Ji Qi	San Antonio, TX (US)	1
3,007	Shuling He	San Jose, CA (US)	1	3,052	Masayoshi Chikada	Yokosuka, JP	1
3,008	Adam Helfgott	New York, FL (US)	1	3,053	Kota Hidaka	Yokosuka, JP	1
3,009	Matthew Barlin	Pownal, VT (US)	1	3,054	Alon Navon	Tel Aviv, IL	1
3,010	Danny Moreno Levy	Madrid, ES	1	3,055	Gil Meir	Tel Aviv, IL	1
3,011	Joel M Hron, II	The Woodlands, TX (US)	1	3,056	Avihai Yosef	San Jose, CA (US)	1
3,012	Nicholas E Vandivere	Spring, TX (US)	1	3,057	Yehonatan Yochpaz	Holon, IL	1
3,013	Michael B Kuykendall	Spring, TX (US)	1	3,058	Luo Hai Zheng	Shenzhen, CN	1
3,014	Yitian Xue	Upland, CA (US)	1	3,059	Jun Jie Shi	Shenzhen, CN	1
3,015	Dapeng Ma	Irvine, CA (US)	1	3,060	Hu Jia Chen	Shenzhen, CN	1

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#	Name	Location	Patents	#	Name	Location	Patents
3,061	Zi Chao Tang	Shenzhen, CN	1	3,106	Kevin Ventzke	Berlin, DE	1
3,062	Yi Ge Cai	Shenzhen, CN	1	3,107	Dennis Kuhnert	Berlin, DE	1
3,063	Chuan Bing Dai	Shenzhen, CN	1	3,108	Antonio Estrada Rubio	Berlin, DE	1
3,064	Jin Long Chen	Shenzhen, CN	1	3,109	Alberto Antonioli	Monza e della Brianza, IT	1
3,065	Qui Ping Chen	Shenzhen, CN	1	3,110	Pierluigi Zagari	Luxembourg, LU	1
3,066	Andrew Thompson	San Francisco, CA (US)	1	3,111	Lior Glass	New York, NY (US)	1
3,067	Andrew Allen	San Francisco, CA (US)	1	3,112	Puneet Singhvi	New York, NY (US)	1
3,068	Corey Batt	New York, NY (US)	1	3,113	Balazs Nemethi	Sacramento, CA (US)	1
3,069	Sergii Bomko	Kyiv, UA	1	3,114	Andrew James Mee	London, GB	1
3,070	Vladyslav Batyrenko	Kyiv, UA	1	3,115	Bin Fang	Jiangsu, CN	1
3,071	Tung Thanh Tran	Ho Chi Minh, VN	1	3,116	Hyeon Suk Na	Seoul, KR	1
3,072	Joe Hsy	Menlo Park, CA (US)	1	3,117	Min Gyu Jeon	Gwangmyeong-si, KR	1
3,073	Tsz Ling Christina Leung	Foster City, CA (US)	1	3,118	Chi Yeon Hwang	Bucheon-si, KR	1
3,074	Matt LeBaron	Salinas, CA (US)	1	3,119	Joseph F Vitaterna	Northbrook, IL (US)	1
3,075	Arthur Coleman	Carmel Valley, CA (US)	1	3,120	Steven Tattleman	Northbrook, IL (US)	1
3,076	Seok Ju Yun	Seongnam-si, KR	1	3,121	Robert Bunn	Highlands Ranch, CO (US)	1
3,077	Jeff Stollman	Wayne, PA (US)	1	3,122	Alexander Sheppert	Vineyard, UT (US)	1
3,078	Martin Mateev	Varna, BG	1	3,123	Yashika Sharma	Dwarka, IN	1
3,079	KrishnaPrasad Lingadahalli Shastry	Karnataka, IN	1	3,124	Junjie Zhao	Beijing, CN	1
3,080	Joseph Palermo	Toronto, CA	1	3,125	Nathan Robert Barry	Merrimack, NH (US)	1
3,081	Marc Tyndel	Toronto, CA	1	3,126	Sheela Shetty	Lowell, MA (US)	1
3,082	Hashiam Kadhim	Scarborough, CA	1	3,127	Johnson Manuel-Devadoss	Redwood Shores, CA (US)	1
3,083	Hui Fang	Singapore, SG	1	3,128	Andrew Emil Conn	San Carlos, CA (US)	1
3,084	Bensam Joyson	Singapore, SG	1	3,129	Muhammad Jawad Paracha	Karachi, PK	1
3,085	Anupam Sharma	North West Singapore, SG	1	3,130	Militza Jordaan Bishop	Decatur, TX (US)	1
3,086	Zunhua Wang	Singapore, SG	1	3,131	John Alan Bivens	Ossining, NY (US)	1
3,087	Kaoutar El Khiyaoui	Zurich, CH	1	3,132	Rolf Lindemann	Steele, DE	1
3,088	Hiroki Watanabe	Tokyo, JP	1	3,133	Sujatha Balaji	Kovilambakkam, IN	1
3,089	Shigenori Ohashi	Tokyo, JP	1	3,134	Michael Kilburn	Bastrop, TX (US)	1
3,090	Atsushi Nakadaira	Tokyo, JP	1	3,135	Logendra Naidoo	Ottawa, CA	1
3,091	Alexandre Goguin	Paris, FR	1	3,136	Sanghyeon Park	Daegu, KR	1
3,092	Satyan Pitroda	Oakbrook Terrace, IL (US)	1	3,137	Jeonghyuk Lee	Seongnam-si, KR	1
3,093	Rakesh Patel	Westmont, IL (US)	1	3,138	Seung Hwa Lee	Seoul, KR	1
3,094	Oluwatomisin Olayemi Jenrola	Nepean, CA	1	3,139	Joonsun Uhr	Seongnam-si, KR	1
3,095	Vladimir Bacvanski	Portola Valley, CA (US)	1	3,140	Frank J Ricotta	Colorado Springs, CO (US)	1
3,096	John Lucas Timoney	Bronxville, NY (US)	1	3,141	Naresh Ramakrishnan Mani	Maidenhead, GB	1
3,097	Daniel Santiago Rincon Silva	San Jose, CA (US)	1	3,142	Yoav Landman	Netanya, IL	1
3,098	Aklen Altanel	London, GB	1	3,143	Ahmed Mohamed Abbas Saleh	Sheikh Zayed, EG	1
3,099	Gary Brandeleer	San Francisco, CA (US)	1	3,144	Karen Medhat Yousry Fahmy Beshara	Giza, EG	1
3,100	Avanthika Ramesh	San Francisco, CA (US)	1	3,145	Labib Farag Labib Hanna Saad	New Cairo, EG	1
3,101	Adam Caplan	Chicago, IL (US)	1	3,146	Russell Shannon	Mays Landing, NJ (US)	1
3,102	Angus Dunn	San Francisco, CA (US)	1	3,147	Joseph Garcia	La Plata, MD (US)	1
3,103	Dan Xu	San Francisco, CA (US)	1	3,148	Aaron Jacobson	King George, VA (US)	1
3,104	Chinmay Gore	Kirkland, WA (US)	1	3,149	William Mosca	Morristown, NJ (US)	1
3,105	Aditya Nikhil Desai	San Francisco, CA (US)	1	3,150	Roberto Maldonado	Lusby, MD (US)	1

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#	Name	Location	Patents	#	Name	Location	Patents
3,151	Michael Burger	Toms River, NJ (US)	1	3,196	Christian Johnny Martinez	East Rockaway, NY (US)	1
3,152	Jason Michael Anderson	Snohomish, WA (US)	1	3,197	Yanlan Wei	Shenzhen, CN	1
3,153	Soumya Desai	Bengaluru, IN	1	3,198	Pawan Khurana	Gurgaon, IN	1
3,154	Vrijesh Kothari	Hyderabad, IN	1	3,199	Rajesh Ranjan	Princeton, NJ (US)	1
3,155	Yan Huang	Shanghai, CN	1	3,200	Rijia Liu	Shenzhen, CN	1
3,156	Justin James Klein	Mountain View, CA (US)	1	3,201	Zhibin Liu	Shenzhen, CN	1
3,157	Nathalie Baracaldo Angel	San Jose, CA (US)	1	3,202	Qian Chen	Shenzhen, CN	1
3,158	Tengxiao Yang	Shanghai, CN	1	3,203	Sean Carey	Boston, MA (US)	1
3,159	Zheng Xiao	Shanghai, CN	1	3,204	Christopher Bruce	Boston, MA (US)	1
3,160	Tao Yan	Shanghai, CN	1	3,205	Bill Borden Shook	Temecula, CA (US)	1
3,161	Sarah Banks	Plymouth, MI (US)	1	3,206	David Cho	Oxnard, CA (US)	1
3,162	Deven Bharat Chhaya	Singapore, SG	1	3,207	Theo Kevin Gauthier	Tokyo, JP	1
3,163	Adriana Gabriela Diener-Veinott	Stanford, CA (US)	1	3,208	Robin Salen	Tokyo, JP	1
3,164	Junzhi Yan	Beijing, CN	1	3,209	Jawad Tariq	Tokyo, JP	1
3,165	Jeffrey Lang McSchooler	Parker, CO (US)	1	3,210	Vinayak Kumar Charaka	Hyderabad, IN	1
3,166	Jennings Maxwell Orcutt	Denver, CO (US)	1	3,211	John M Stokes	Yorba Linda, CA (US)	1
3,167	David Robert Zufall	Lone Tree, CO (US)	1	3,212	Manuel Enrique Caceres	Basking Ridge, NJ (US)	1
3,168	Christopher William Krasny Ergen	Littleton, CO (US)	1	3,213	Young Rak Choi	Belle Mead, NJ (US)	1
3,169	Mark Henry Gomez	Parker, CO (US)	1	3,214	Warren Hojilla Uy	Randolph, NJ (US)	1
3,170	Tae in Hwang	Daejeon, KR	1	3,215	Mun Wei Low	Irving, TX (US)	1
3,171	Il Woo Lee	Daejeon, KR	1	3,216	Dayong He	Bridgewater, NJ (US)	1
3,172	Ronald Ekins	Haywards Heath, GB	1	3,217	Yam Huo Ow	Evanston, IL (US)	1
3,173	Ronald Karr	Palo Alto, CA (US)	1	3,218	Matthew Unger	Vancouver, CA	1
3,174	Saurabh Gupta	New Delhi, IN	1	3,219	Matej Masiar	Vancouver, CA	1
3,175	Takuya Hagimura	Tokyo, JP	1	3,220	Qayyum Rajan	Surrey, CA	1
3,176	Matt Hauff	San Francisco, CA (US)	1	3,221	Hideji Wakabayashi	Basingstoke, GB	1
3,177	Matt Howard	San Francisco, CA (US)	1	3,222	John T Wolohan, Jr	McLean, VA (US)	1
3,178	Adam Kelly	San Francisco, CA (US)	1	3,223	Steffen Michael Haaker	McLean, VA (US)	1
3,179	Anthony A Macey	London, GB	1	3,224	Ryan Thomas Gentry	McLean, VA (US)	1
3,180	Harry Powell	London, GB	1	3,225	Edward Rosinzonsky	Menlo Park, CA (US)	1
3,181	Richard Craibe William Martin	London, GB	1	3,226	Danjue Li	Dublin, CA (US)	1
3,182	Antoine Amend	London, GB	1	3,227	Denis Kuvikov	Beer-Sheva, IL	1
3,183	Andrew J Garner, IV	State Road, NC (US)	1	3,228	Andrew Palkin	Ashqelon, IL	1
3,184	Chris Theodore Kalaboukis	San Jose, CA (US)	1	3,229	Ranjeetha Venkatesh	Bengaluru, IN	1
3,185	Rameshchandra Bhaskar Ketharaju	Hydedrabad, IN	1	3,230	Sudhindra Venkatesh Kulkarni	Bengaluru, IN	1
3,186	Ramanathan Ramanathan	Bellevue, WA (US)	1	3,231	Gilbert Verdian	London, GB	1
3,187	Abhijit Rao	Irvine, CA (US)	1	3,232	Colin Paterson	London, GB	1
3,188	Andres J Saenz	Redmond, WA (US)	1	3,233	Gaetano Mondelli	London, GB	1
3,189	Matthew Baldwin	Boulder, CO (US)	1	3,234	Paolo Tasca	London, GB	1
3,190	Andrew J E Menadue	Winchester, GB	1	3,235	Jun Ha Lee	Seoul, KR	1
3,191	Tatsuya Tojima	Tokyo, JP	1	3,236	Ji Woo Park	Seoul, KR	1
3,192	Takeshi Kondo	Tokyo, JP	1	3,237	Jin Hwan Lee	Seoul, KR	1
3,193	Yoshihito Aso	Tokyo, JP	1	3,238	Yuki Kondo	Santa Clara, CA (US)	1
3,194	Tatsuya Fuchigami	Tokyo, JP	1	3,239	Devon Andrew Beckett	Denver, PA (US)	1
3,195	Paul Valenzuela	Fort Lauderdale, FL (US)	1	3,240	James David Fletcher	Royersford, PA (US)	1

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#	Name	Location	Patents	#	Name	Location	Patents
3,241	Max Hirsch	Laverock, PA (US)	1	3,286	Yanfeng Wang	Beijing, CN	1
3,242	Vidya Mudalagiri Venkatesha	Paoli, PA (US)	1	3,287	Dwaine K Coates	Joplin, MO (US)	1
3,243	Alex George	King of Prussia, PA (US)	1	3,288	Caitlin Nicole Dillard	Wilmington, DE (US)	1
3,244	Natali Gaash	Netanya, IL	1	3,289	Ryan C Marotz	Bloomington, MN (US)	1
3,245	Roi Wexler	Kfar Saba, IL	1	3,290	Barry A Trent	Chanhassan, MN (US)	1
3,246	Aviad Yisrael Gispan	Rishon Lezion, IL	1	3,291	Thomas Woloszyn	Northville, MI (US)	1
3,247	Inbar Helbitz	Kiryat Ono, IL	1	3,292	Shaheer Ahmed	Farmington Hills, MI (US)	1
3,248	Jilian Zhang	Guangdong, CN	1	3,293	Yun Wang	Raleigh, NC (US)	1
3,249	Zhuo Cai	Beijing, CN	1	3,294	Andrea Young	Austin, TX (US)	1
3,250	Bing Xin Wang	Beijing, CN	1	3,295	John Kaufmann	Austin, TX (US)	1
3,251	The Pen	West Hollywood, CA (US)	1	3,296	Borja Canseco	Austin, TX (US)	1
3,252	Jon N Leonard	Oro Valley, AZ (US)	1	3,297	William Blake Copeland	Dallas, TX (US)	1
3,253	David LaMountain	Coventry, RI (US)	1	3,298	Axel Simon	Farnborough, GB	1
3,254	Justin Saliman	Los Angeles, CA (US)	1	3,299	Timothy M Londergan	Seattle, WA (US)	1
3,255	Jason Hurst	Vancouver, WA (US)	1	3,300	Christopher A Wiklof	Everett, WA (US)	1
3,256	Karthik Karunanithi	Los Angeles, CA (US)	1	3,301	Zhenyao Qiu	Shanghai, CN	1
3,257	Ryan Saliman	Los Angeles, CA (US)	1	3,302	Yang Yang	Shanghai, CN	1
3,258	Douglas Grim	Portland, OR (US)	1	3,303	Zhou Chen	Shanghai, CN	1
3,259	Darin Feinstein	Los Angeles, CA (US)	1	3,304	Zili Huang	Shanghai, CN	1
3,260	Joshua Cooper	Columbia, SC (US)	1	3,305	Lu Xiong	Shanghai, CN	1
3,261	Aliasghar Riahi	Orinda, CA (US)	1	3,306	Guillaume Faure	Grenoble, FR	1
3,262	Mojgan Haddad	Orinda, CA (US)	1	3,307	Alain Massiot	Muret, FR	1
3,263	Razmin Riahi	Orinda, CA (US)	1	3,308	Peter Ro	New York, NY (US)	1
3,264	Ryan Kourosh Riahi	Orinda, CA (US)	1	3,309	Ryan Oblak	Berkeley, CA (US)	1
3,265	Charles Yeomans	Orinda, CA (US)	1	3,310	Elakian Kanakaraj	New York, NY (US)	1
3,266	Lon C Lundgren	Seattle, WA (US)	1	3,311	Malini Raman	Chennai, IN	1
3,267	Eric A Kearns	Seattle, WA (US)	1	3,312	Ashok Seshadri	Chennai, IN	1
3,268	Liangsheng Yuan	Shenzhen, CN	1	3,313	Santhana Krishnan Trichy Nallusamy	Chennai, IN	1
3,269	Dilip Krishnaswamy	Bengaluru, IN	1	3,314	Jilong Wang	Beijing, CN	1
3,270	Aayush Bhatnagar	Navi Mumbai, IN	1	3,315	Qianli Zhang	Beijing, CN	1
3,271	Kanchan Chauhan	Navi Mumbai, IN	1	3,316	Steven Victor Wasserman	Broadalbin, NY (US)	1
3,272	Dipender Bhamrah	Mumbai, IN	1	3,317	Nam Yong Lee	Gyeongsangnam-do, KR	1
3,273	Matthew Lindenberger	Austin, TX (US)	1	3,318	Jinhong Yang	Gyeongsangnam-do, KR	1
3,274	Luan Dang	Austin, TX (US)	1	3,319	Hrishikesh Nashikkar	Hyderabad, IN	1
3,275	Ethan Cecchetti	Ithaca, NY (US)	1	3,320	Anastasia Melachrinos	Paris, FR	1
3,276	Kyle Croman	Sudbury, MA (US)	1	3,321	Alexander Coenegrachts	Paris, FR	1
3,277	Runting Shi	Ithaca, NY (US)	1	3,322	Rebecca Brachman	New York, NY (US)	1
3,278	Zhangyong Wei	Shanghai, CN	1	3,323	Azaz Ahmed	Lahore, PK	1
3,279	Li Wang	Shanghai, CN	1	3,324	James Taylor	Sterling, VA (US)	1
3,280	Kunbiao Lu	Shanghai, CN	1	3,325	Conor Haegley	Virginia Beach, VA (US)	1
3,281	Changhyun Lee	Daejeon, KR	1	3,326	Joseph Lawn	Arlington, VA (US)	1
3,282	Guanggang Geng	Beijing, CN	1	3,327	Andrey Lvovich Chmora	Moscow, RU	1
3,283	Yong Chen	Beijing, CN	1	3,328	Roman Anatolievich Nekrasov	Moscow, RU	1
3,284	Justin Fisher	Del Ray, FL (US)	1	3,329	Igor Sergeevich Bityutskikh	Voronezh, RU	1
3,285	Justin Fisher	Delray Beach, FL (US)	1	3,330	Cara Weikel	Silver Spring, MD (US)	1

INVENTORS

#	Name	Location	Patents	#	Name	Location	Patents
3,331	Judith Rodriguez	Falls Church, VA (US)	1	3,376	Ashish Kumar Palo	Koraput, IN	1
3,332	Clayton Johnson	Edgewood, MD (US)	1	3,377	Sathish Kumar Bikumala	Round Rock, TX (US)	1
3,333	Andre Young	Accokeek, MD (US)	1	3,378	Oluwanifemi Oluyemi	Toronto, CA	1
3,334	Wolfgang Richter	Vancouver, CA	1	3,379	Chuan Ran	Morrisville, NC (US)	1
3,335	Faranak Zadeh	Vancouver, CA	1	3,380	Vamsee Movva	Cary, NC (US)	1
3,336	Derek Chamorro	San Jose, CA (US)	1	3,381	A Jaylani Sharif	Ashburn, VA (US)	1
3,337	Ashok Reddy	Plano, TX (US)	1	3,382	Robert William Kocher	McLean, VA (US)	1
3,338	Robert Kent Lamb	Middletown, NJ (US)	1	3,383	Douglas Earl Dyer	Herndon, VA (US)	1
3,339	Shoeb Javed	Allen, TX (US)	1	3,384	John Shelly Bowling, II	Reston, VA (US)	1
3,340	Enrique Benavides	Ahome, MX	1	3,385	Cian Montgomery	Portland, OR (US)	1
3,341	Joel Pedroche	Barcelona, ES	1	3,386	Daniel Thomas Harrison	Newmarket, CA	1
3,342	Yasin Hatibi	Barcelona, ES	1	3,387	Michael Salem	Dallas, TX (US)	1
3,343	Thomas Wayne Schwarz, Jr	Helotes, TX (US)	1	3,388	Giridhara Padmanabha Rao Madakashira	Bengaluru, IN	1
3,344	Snehal Desai	Richardson, TX (US)	1	3,389	Richard Jackman	Jacksonville, FL (US)	1
3,345	Jeanie Graciela Lopez	San Antonio, TX (US)	1	3,390	Romi Kohli	Markham, CA	1
3,346	Bishop C Brock	Coupland, TX (US)	1	3,391	Simarpreet Singh	Ajax, CA	1
3,347	Frank Liu	Austin, TX (US)	1	3,392	Ning Guo Chen	Shenzhen, CN	1
3,348	Thomas S Hubregtsen	Hassfurt, DE	1	3,393	Jian Wei Deng	Shenzhen, CN	1
3,349	Bishakh Chandra Ghosh	Bolpur, IN	1	3,394	An Qun Pan	Shenzhen, CN	1
3,350	Yu Zhang	Beijing, CN	1	3,395	Qiang Fei	Shenzhen, CN	1
3,351	Lei Wang	Xi'an, CN	1	3,396	Shashank Kumar Trivedi	New Delhi, IN	1
3,352	Lipeng Hao	Xi'an, CN	1	3,397	Maurice Vanegas	Sun Valley, CA (US)	1
3,353	Ziyi Zhang	Beijing, CN	1	3,398	Isaac Vanegas	Sun Valley, CA (US)	1
3,354	Michal Aichinger	Prague, CZ	1	3,399	Pranay Bhattacharyya	Newbury Park, CA (US)	1
3,355	Srinivasan Raghuraman	San Francisco, CA (US)	1	3,400	Gabriele Edmondo Pegoraro	Luino, IT	1
3,356	Rohit Sinha	Fremont, CA (US)	1	3,401	Loi Luu	Singapore, SG	1
3,357	Jason Shubrook	Sevenoaks, GB	1	3,402	Sanjeeva Karna Kammara	Hyderabad, IN	1
3,358	Xiao Luo	Hangzhou, CN	1	3,403	Venkatrao Meenavalli	Hyderabad, IN	1
3,359	Xiji Cheng	Hangzhou, CN	1	3,404	John Dinakar Iruvanti	Telegana, IN	1
3,360	Jian Zhao	Hangzhou, CN	1	3,405	Hearsch Jariwala	Cary, NC (US)	1
3,361	Zhiwen Zhang	Hangzhou, CN	1	3,406	Christian Bartram	McLean, VA (US)	1
3,362	Saiwei Song	Hangzhou, CN	1	3,407	Connor Cason	McLean, VA (US)	1
3,363	Ian Matthew Utile	Aptos, CA (US)	1	3,408	Yvette White	McLean, VA (US)	1
3,364	Sujitha Krishna Devaraj	Troy, MI (US)	1	3,409	Chan Fai Lam	Hong Kong, CN	1
3,365	Robert Hinh	Cincinnati, OH (US)	1	3,410	Tin Lung Wong	Hong Kong, CN	1
3,366	Adrian Kalinowski	Sterling Heights, MI (US)	1	3,411	Wei Lun Alan Cheung	Hong Kong, CN	1
3,367	Rafi Odisho	West Bloomfield, MI (US)	1	3,412	Philip Scott Lyren	Bangkok, TH	1
3,368	Dmytro Semenov	San Jose, CA (US)	1	3,413	Guilda Javaheri	Irvine, CA (US)	1
3,369	Mahesh Kumar Dathrika	Santa Clara, CA (US)	1	3,414	Rebecca Corcillo	San Francisco, CA (US)	1
3,370	Michael Rawlings	San Jose, CA (US)	1	3,415	Emily Chiu	San Francisco, CA (US)	1
3,371	Dylan Nelson Jamie Piercey	San Jose, CA (US)	1	3,416	Moiz Jangda	Austin, TX (US)	1
3,372	Hubert Andre Le Van Gong	San Jose, CA (US)	1	3,417	Megan Coleman	San Francisco, CA (US)	1
3,373	Jinesh Patel	Cedar Park, TX (US)	1	3,418	Tianlong Yun	San Francisco, CA (US)	1
3,374	Vidit Aggarwal	Sunnyvale, CA (US)	1	3,419	Song Hwan Kim	Seoul, KR	1
3,375	Sachin Tilloo	Fremont, CA (US)	1	3,420	Abbas Abou Daya	Vancouver, CA	1

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#	Name	Location	Patents	#	Name	Location	Patents
3,421	Asher Jay	Bozeman, MT (US)	1	3,466	Craig Schoneberg	Vaudreuil-Dorion, CA	1
3,422	David Householter	Bozeman, MT (US)	1	3,467	Vladas Jurkevicius	Vilnius, LT	1
3,423	Ivett Cser	Bozeman, MT (US)	1	3,468	Lukas Deksnys	Vilnius, LT	1
3,424	Miera Rechtschaffen	New York City, NY (US)	1	3,469	Weihua Hu	Shanghai, CN	1
3,425	Alan Rechtschaffen	New York City, NY (US)	1	3,470	Yanping Zhang	Shanghai, CN	1
3,426	Ian Beaver	Spokane, WA (US)	1	3,471	Jianan Hong	Shenzhen, CN	1
3,427	Geon-Woo Kim	Daejeon, KR	1	3,472	Florian Hager	Erlangen, DE	1
3,428	Kwan-Tae Cho	Daejeon, KR	1	3,473	Christoph Pedain	Munich, DE	1
3,429	Yao Ma	Scarsdale, NY (US)	1	3,474	James William Staggs	Nashville, TN (US)	1
3,430	Ziqiang Liu	Great Neck, NY (US)	1	3,475	Pj Putnam	Dallas, TX (US)	1
3,431	Indra Rustandi	Oakland, CA (US)	1	3,476	Ruben Hammer	Dallas, TX (US)	1
3,432	Huankun Huang	Shenzhen, CN	1	3,477	Alev O Karasulu	Brentwood, NY (US)	1
3,433	Young Shin Kim	Seoul, KR	1	3,478	Sally Khudairi	Wellesley, MA (US)	1
3,434	Michael Bender	Rye Brook, NY (US)	1	3,479	Yuxiang Liu	Hong Kong, CN	1
3,435	Martin G Keen	Cary, NC (US)	1	3,480	Kwong Wing Yeung	Hong Kong, CN	1
3,436	Huanmi Yin	Hangzhou, CN	1	3,481	Tara Youngblood	Mooresville, NC (US)	1
3,437	Tom Mikulich	Las Vegas, NV (US)	1	3,482	Todd Youngblood	Mooresville, NC (US)	1
3,438	Pat Gordon	Las Vegas, NV (US)	1	3,483	Peng Xu	Wuhan, CN	1
3,439	Jon Von Tobel	Las Vegas, NV (US)	1	3,484	Tianyang Chen	Wuhan, CN	1
3,440	William Chad Little	Las Vegas, NV (US)	1	3,485	Yubo Zheng	Wuhan, CN	1
3,441	Yada Huang	Shanghai, CN	1	3,486	Wei Wang	Wuhan, CN	1
3,442	He Guan	Shanghai, CN	1	3,487	Christopher Jones	Tampa, FL (US)	1
3,443	Jan-Robin Gerards	Newyork, NY (US)	1	3,488	Justin Kim	Gainesville, FL (US)	1
3,444	Dustin Goodwin	Wheat ridge, CO (US)	1	3,489	Francisco Angel Garcia Rodriguez	London, GB	1
3,445	Maher N Kaddoura	Maple Grove, MN (US)	1	3,490	Adam Dale Braham	Rochester, MN (US)	1
3,446	Daniel Bohannon	Livermore, CA (US)	1	3,491	Jason A Nikolai	Rochester, MN (US)	1
3,447	Rose M Smith	Warwick, NY (US)	1	3,492	Shane Smith	Rochester, MN (US)	1
3,448	Samuel F Smith	Warwick, NY (US)	1	3,493	Daniel Stolyarov	Middle Island, NY (US)	1
3,449	Clyde C Smith	Warwick, NY (US)	1	3,494	Elena Polyakova	Middle Island, NY (US)	1
3,450	Annarita Giani	Niskayuna, NY (US)	1	3,495	Shinichiro Otsuka	Tokyo, JP	1
3,451	Junrong Yan	Niskayuna, NY (US)	1	3,496	Rahul Pathak	Mercer Island, WA (US)	1
3,452	Patricia MacKenzie	Clifton Park, NY (US)	1	3,497	Anurag Windlass Gupta	Atherton, CA (US)	1
3,453	Robert M Irwin	Woodinville, WA (US)	1	3,498	Yugandhar Maram	Bellevue, WA (US)	1
3,454	Kenneth Allen Hartsock	Marysville, WA (US)	1	3,499	Mahmoud Salem	New York, NY (US)	1
3,455	Puspanjali Panda	Bengaluru, IN	1	3,500	Carey Michael Crook	Seattle, WA (US)	1
3,456	Romain Jufer	Cheseaux-sur-Lausanne, CH	1	3,501	Montana Norman Wong	Seattle, WA (US)	1
3,457	Cristian Ruiz	Cheseaux-sur-Lausanne, CH	1	3,502	Aditya Manohar	Sammamish, WA (US)	1
3,458	Olivier Morel	Cheseaux-sur-Lausanne, CH	1	3,503	Rajul Mittal	Seattle, WA (US)	1
3,459	Takashi Fujii	Osaka, JP	1	3,504	Shiyu Sun	Seattle, WA (US)	1
3,460	Toshihiko Ryugo	Osaka, JP	1	3,505	Yu Yan	Seattle, WA (US)	1
3,461	Motoki Sato	Osaka, JP	1	3,506	Dong Young Lee	Seoul, KR	1
3,462	David John Evans, V	Portola Valley, CA (US)	1	3,507	Peng Zhu	Jiangsu, CN	1
3,463	Willow W Noonan	Portsmouth, NH (US)	1	3,508	Jun Wang	Jiangsu, CN	1
3,464	Guillermo Romero Lopez	Capital Federal, AR	1	3,509	Kaiser Kim	San Francisco, CA (US)	1
3,465	Catalin Meirosu	Solna, SE	1	3,510	Paul Collier	San Francisco, CA (US)	1

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#	Name	Location	Patents	#	Name	Location	Patents
3,511	Kazue Sako	Tokyo, JP	1	3,556	Sharanjai Prasad	Oakland, CA (US)	1
3,512	David W Honorio Araujo da Silva	Colorado Springs, CO (US)	1	3,557	Alex Wolfe	Oakland, CA (US)	1
3,513	Carlos A Paz de Araujo	Colorado Springs, CO (US)	1	3,558	Qi Wu	Oakland, CA (US)	1
3,514	Hanes Barbosa Marques de Oliveira	Colorado Springs, CO (US)	1	3,559	Andrew Min	Oakland, CA (US)	1
3,515	Marcelo Araujo Xavier	Dearborn, MI (US)	1	3,560	Francis Hamand	Oakland, CA (US)	1
3,516	Jose Manuel Rivera	Burke, VA (US)	1	3,561	Hao Xue	Oakland, CA (US)	1
3,517	Michael Lasky	Silver Spring, MD (US)	1	3,562	Zoltan Onodi-Szucs	Oakland, CA (US)	1
3,518	Andrew Bruce	Glen Rock, PA (US)	1	3,563	Alex Stuart	Winnipeg, CA	1
3,519	Shvetal Shah	Marietta, GA (US)	1	3,564	Justin Phillips	Winnipeg, CA	1
3,520	K Arunkumar	Chennai, IN	1	3,565	Michael J Falcetano	Newburgh, NY (US)	1
3,521	Darwin Chandran	Chennai, IN	1	3,566	Keith Joseph Miller	Pawling, NY (US)	1
3,522	Karthikeyan Chandrasekar	Chennai, IN	1	3,567	John Bouzakis	Wappingers Falls, NY (US)	1
3,523	Ramkumar N	Chennai, IN	1	3,568	Michael Kelly	Port Ewen, NY (US)	1
3,524	Gopala Krishnan Ramasubbu	Virudhunagar, IN	1	3,569	Jean-Christophe Emery	Jiangsu, CN	1
3,525	Ravi Sekhar Reddy V	Chennai, IN	1	3,570	Michael Heidingsfelder	Kiawah Island, SC (US)	1
3,526	Chenxi Hu	Beijing, CN	1	3,571	Eugen Schibli	Schaffhausen, CH	1
3,527	Sanping Li	Beijing, CN	1	3,572	Feng Dai	Jiangsu, CN	1
3,528	Zhen Jia	Shanghai, CN	1	3,573	Qing Chen	Jiangsu, CN	1
3,529	Alexander Kofman	Haifa, IL	1	3,574	GuoJun Xie	Jiangsu, CN	1
3,530	Jonathan Bnayahu	Haifa, IL	1	3,575	Karl Cheng	Singapore, SG	1
3,531	Dany Moshkovich	Haifa, IL	1	3,576	Phuoc Hoang Long Le	Singapore, SG	1
3,532	Hongyan Wang	Beijing, CN	1	3,577	Weiming Ma	Singapore, SG	1
3,533	Ali Fathalian	San Francisco, CA (US)	1	3,578	Ram Sriram	Saratoga, CA (US)	1
3,534	Omar Bohsali	San Francisco, CA (US)	1	3,579	Chidansh Amitkumar Bhatt	Mountain View, CA (US)	1
3,535	Jing Fan	San Francisco, CA (US)	1	3,580	Scott Carter	San Jose, CA (US)	1
3,536	Josh Ellithorpe	San Francisco, CA (US)	1	3,581	Laurent Denoue	Veneto, IT	1
3,537	Christopher Michael Matthews	Pacifica, CA (US)	1	3,582	David Ayman Shamma	San Francisco, CA (US)	1
3,538	Paul Telis Stathacopoulos	San Carlos, CA (US)	1	3,583	Shinji Onishi	Tokyo, JP	1
3,539	Ashish Omprakash Indani	Mumbai, IN	1	3,584	Tyler Wince	Mesa, AZ (US)	1
3,540	Saurabh Das	Mumbai, IN	1	3,585	Ronnie Wince	Mesa, AZ (US)	1
3,541	Devraj Goulikar	Mumbai, IN	1	3,586	Scott Carlson	Cheseaux-sur-Lausanne, CH	1
3,542	Biswamohan Routray	Mumbai, IN	1	3,587	José-Emmanuel Pont	Cheseaux-sur-Lausanne, CH	1
3,543	Justin Randall Padawer	Salt Lake City, UT (US)	1	3,588	Wolfgang Wesley Muller	San Francisco, CA (US)	1
3,544	Taylor Cushman Rose	South Jordan, UT (US)	1	3,589	Jean-Baptiste Charles Theou	Sene, FR	1
3,545	Michael Angelo DeVico	Park City, UT (US)	1	3,590	Yong-Hwan Yoo	Anyang-si, KR	1
3,546	Richard Edward Horne	Farmington, UT (US)	1	3,591	Bonggyeol Choi	Seoul, KR	1
3,547	Kapil Sood	Portland, OR (US)	1	3,592	Kunal Roy	San Francisco, CA (US)	1
3,548	Lutz Firnkorn	Osnabrück, DE	1	3,593	Hao Liu	Beijing, CN	1
3,549	Joachim Sokol	Unterhaching, DE	1	3,594	Jing Li	Beijing, CN	1
3,550	Martin Weber	Munich, DE	1	3,595	Dan Wang	Chengdu, CN	1
3,551	Roberto Bayardo	Oakland, CA (US)	1	3,596	Wen Tao Hua	Beijing, CN	1
3,552	Justin Blumenthal	Oakland, CA (US)	1	3,597	Ang Li	Beijing, CN	1
3,553	Huiyi Li	Oakland, CA (US)	1	3,598	Siddharth R Rao	Bengaluru, IN	1
3,554	Xiang Li	Oakland, CA (US)	1	3,599	Raghuveer Prasad Nagar	Kota, IN	1
3,555	Leopoldo Orines	Oakland, CA (US)	1	3,600	Jagadesh Ramaswamy Hulugundi	Bengaluru, IN	1

INVENTORS

#	Name	Location	Patents	#	Name	Location	Patents
3,601	Saneesh Parambath	Sydney, AU	1	3,646	Antoine Toulme	San Jose, CA (US)	1
3,602	Kevin P Kelly	Austin, TX (US)	1	3,647	John Forbes Hayden, III	New York, NY (US)	1
3,603	Adnan Malik	Voorhees, NJ (US)	1	3,648	Abhinav Sadu	Aachen, DE	1
3,604	Steven Quadros	New York, NY (US)	1	3,649	Gianluca Lipari	Aachen, DE	1
3,605	Abdelkader Benkreira	New York, NY (US)	1	3,650	Ferdinanda Ponci	Aachen, DE	1
3,606	Aaron Swearingen	Crystal, MN (US)	1	3,651	Jindal Akshay	Aachen, DE	1
3,607	Gabriela Ciocarlie	New York, NY (US)	1	3,652	Sudheer Jaisawal	Gorakhpur, IN	1
3,608	Karim Eldefrawy	Palo Alto, CA (US)	1	3,653	Oluwaseyi Ajayi	Bronx, NY (US)	1
3,609	Tancrede Lepoint	Jersey City, NJ (US)	1	3,654	Tarek Saadawi	Franklin Lakes, NJ (US)	1
3,610	Johny Mathew	Palo Alto, CA (US)	1	3,655	Obinna Igbe	Bronx, NY (US)	1
3,611	Nitin Duggal	San Jose, CA (US)	1	3,656	Asad Haque	Chesterbrook, PA (US)	1
3,612	Yao Zhang	Shenzhen, CN	1	3,657	Nancy Davoust	Louisville, CO (US)	1
3,613	Tao Yang	Shenzhen, CN	1	3,658	Vivek Vishal	Bengaluru, IN	1
3,614	Kristy-Leigh Anne Minehan	Bellevue, WA (US)	1	3,659	Paul Jean André Bernier	Vancouver, CA	1
3,615	Alex Markuze	Tel Aviv, IL	1	3,660	Min Zhang	Vancouver, CA	1
3,616	Avishay Yanai	Tel Aviv, IL	1	3,661	Francis Njoroge Kahura	Pembroke Pines, FL (US)	1
3,617	Israel Cidon	San Francisco, CA (US)	1	3,662	Ernesto Valdes Forte	Arlington, VA (US)	1
3,618	Eyal Zohar	Tel Aviv, IL	1	3,663	Younsung Chu	Yongin-si, KR	1
3,619	Bhupinder Singh Narang	Gurgaon, IN	1	3,664	Huzaifa Matawala	Princeton, NJ (US)	1
3,620	Ashish Jain	Gurgaon, IN	1	3,665	Abdul Rasheed Nagoor Gani	Fair Lawn, NJ (US)	1
3,621	Aishwarya Mallik	Bihar, IN	1	3,666	Wael Yousef	Bridgewater, NJ (US)	1
3,622	Alok Kumar Dwivedi	Gorakhpur, IN	1	3,667	Nishanth Koganti	Hyderabad, IN	1
3,623	Chang Hoon Cho	Seoul, KR	1	3,668	Venkata Sri Harsha Vemuluru	Hyderabad, IN	1
3,624	Jung Ki Min	Seoul, KR	1	3,669	Vikash Prasad	Thane West, IN	1
3,625	Daniel Kang	Costa Mesa, CA (US)	1	3,670	Jiang Xiao	Wuhan, CN	1
3,626	Matt Henson	Fort Wayne, IN (US)	1	3,671	Jian Chang	Wuhan, CN	1
3,627	David Eugene Harris	Olympia, WA (US)	1	3,672	Rui Han	Wuhan, CN	1
3,628	Giorgia Azzurra Marson	Zurich, CH	1	3,673	Xiaohai Dai	Wuhan, CN	1
3,629	Asad J Malik	La Canada Flintridge, CA (US)	1	3,674	Carolyn Manis Sorensen	Park City, UT (US)	1
3,630	Jack Gerrard	La Canada Flintridge, CA (US)	1	3,675	Mamadou Alpha Barry	Dublin, IE	1
3,631	Jake Sally	La Canada Flintridge, CA (US)	1	3,676	Edgar Marques	Dublin, IE	1
3,632	Vinodkumar Gangal	Vidayagiri, IN	1	3,677	Julie Eloge Eboutou	Wicklow, IE	1
3,633	Alexander Hoole	Santa Clara, CA (US)	1	3,678	Valerie Gann	Dublin, IE	1
3,634	Craig H Allwardt	Kennewick, WA (US)	1	3,679	Krzysztof Fabjański	Bielsko-Biala, PL	1
3,635	Beverly E Johnson	Richland, WA (US)	1	3,680	James L Schmeling	Brookeville, MD (US)	1
3,636	Sujay Vijay Purandare	Portland, OR (US)	1	3,681	David A Divine	Spokane, WA (US)	1
3,637	Michael Charles Todasco	Santa Clara, CA (US)	1	3,682	David S Thompson	Spokane, WA (US)	1
3,638	Norihiro Edwin Aoki	Woodside, CA (US)	1	3,683	Shay C Colson	Bellingham, WA (US)	1
3,639	Matthew Cutler	Tiburon, CA (US)	1	3,684	Andrew J Mullin	Cypress, TX (US)	1
3,640	Chris Meisl	Victor, ID (US)	1	3,685	Hai Van Nguyen	Houston, TX (US)	1
3,641	Ryan Angilly	Denver, CO (US)	1	3,686	Jason S Thacker	Cypress, TX (US)	1
3,642	Niel Robertson	Encino, CA (US)	1	3,687	Nicholas R Adam	The Woodlands, TX (US)	1
3,643	Aryan Thakker	Rockville, MD (US)	1	3,688	Binh Nguyen	Sugarland, TX (US)	1
3,644	Stephen R Luedtke	Denver, CO (US)	1	3,689	Jaione Tirapu Azpiroz	Rio de Janeiro, BR	1
3,645	Ryan Moore	St. Augustine, FL (US)	1	3,690	Ademir Ferreira da Silva	Sao Paulo, BR	1

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#	Name	Location	Patents	#	Name	Location	Patents
3,691	Matheus Esteves Ferreira	Rio de Janeiro, BR	1	3,736	Thuy Ngoc Nguyen	Gdynia, PL	1
3,692	Ricardo Luis Ohta	Sao Paulo, BR	1	3,737	Piotr Boleslaw Koszmider	Warsaw, PL	1
3,693	Mathias B Steiner	Rio de Janeiro, BR	1	3,738	David Behrends	Geneva, CH	1
3,694	Jianju Liu	Kentfield, CA (US)	1	3,739	Diana Kaliff	Geneva, CH	1
3,695	Aaron Jimenez	San Diego, CA (US)	1	3,740	Darby McNee Bodden	Geneva, CH	1
3,696	Wenxuan Xu	San Mateo, CA (US)	1	3,741	Fabian Portmann	Geneva, CH	1
3,697	Jianglan Han	San Francisco, CA (US)	1	3,742	Jaqueline Tomasini Castro	Geneva, CH	1
3,698	Yingqiang Wu	Zhejiang, CN	1	3,743	Stephen J Meyers	Phoenix, AZ (US)	1
3,699	Dhirendra Kumar Bhupati	Sammamish, WA (US)	1	3,744	Alec D Iverson	Mesa, AZ (US)	1
3,700	Arun Velagapalli	San Francisco, CA (US)	1	3,745	Ramesh Lingala	Telangana, IN	1
3,701	Nitin Mahendru	San Jose, CA (US)	1	3,746	Gowthami Vuradi	Telangana, IN	1
3,702	Arthur Britto	San Francisco, CA (US)	1	3,747	Florian Barrois	Grenoble, FR	1
3,703	David Schwartz	Tiburon, CA (US)	1	3,748	Fei Chen	Shanghai, CN	1
3,704	Kimon Papahadjopoulos	Milpitas, CA (US)	1	3,749	Ziyu Liu	Shanghai, CN	1
3,705	Valerie J Parker	Portland, OR (US)	1	3,750	Stefan Heinz Emmert	Wuerzburg, DE	1
3,706	Neal Conrad Oliver	Portland, OR (US)	1	3,751	Maximilian Eugen Stahl	Karbach, DE	1
3,707	Stephen T Palermo	Chandler, AZ (US)	1	3,752	Nikolai Fink	Aesch, CH	1
3,708	Hari K Tadepalli	Gilbet, AZ (US)	1	3,753	Michael Gunzert	Karlsruhe, DE	1
3,709	Vigneswaran Ramachandran	Chennai, IN	1	3,754	Dietmar Spanke	Steinen, DE	1
3,710	Srujana Kanchanapalli	Bengaluru, IN	1	3,755	Ulrich Kaiser	Basel, DE	1
3,711	Batsayan Das	Kolkata, IN	1	3,756	Dimitri Mousko	Schopfheim, DE	1
3,712	Casey Kuhlman	Edinburgh, GB	1	3,757	George F Tibsherany	Flagstaff, AZ (US)	1
3,713	Jan Hendrik Scheufen	Chappaqua, NY (US)	1	3,758	William R Sears	Lexington, MA (US)	1
3,714	Anjlee Khurana	Nashville, TN (US)	1	3,759	Leen AlShenibr	Brookline, MA (US)	1
3,715	Teddy Chu	Dallas, TX (US)	1	3,760	Daniel Franke	Acton, MA (US)	1
3,716	Shuaicheng Ma	Orlando, FL (US)	1	3,761	Hsiu-Te Lin	New Taipei, TW	1
3,717	Li Xiong	Atlanta, GA (US)	1	3,762	Peter Guglielmino	Northport, NY (US)	1
3,718	Yushi Shen	Sichuan, CN	1	3,763	Hehe Wang	Shanghai, CN	1
3,719	Congchong Ru	Sichuan, CN	1	3,764	Prasanth Mathew Varghese	Chennai, IN	1
3,720	Zhengbin Yao	Sichuan, CN	1	3,765	Sindhu Pasumarthy	Chennai, IN	1
3,721	Chuanjun Ma	Sichuan, CN	1	3,766	Dennis E Shasha	New York, NY (US)	1
3,722	Foteini Andriopoulou	Patras, GR	1	3,767	Guy Harrison	Kingsville, AU	1
3,723	Bilgin Ismet Ibryam	London, GB	1	3,768	Michael Harrison	Derrimut, AU	1
3,724	Santanu Dasgupta	Fremont, CA (US)	1	3,769	Steven Cedro	Thomastown, AU	1
3,725	Samuel John Desmond	Seattle, WA (US)	1	3,770	Shiqiang Wang	White Plains, NY (US)	1
3,726	Lewis Brendan Lee	Seattle, WA (US)	1	3,771	Eric Adolphe	San Antonio, TX (US)	1
3,727	James John Margaria, Jr	Allison Park, PA (US)	1	3,772	Jesse Cai	McLean, VA (US)	1
3,728	Kyoo Hyung Han	Seoul, KR	1	3,773	Karthik Prasanna Maiya	Chantilly, VA (US)	1
3,729	Craig Andrew Lanzen	Lambertville, MI (US)	1	3,774	Hongyi Guan	Herndon, VA (US)	1
3,730	Dillon Dierker Lees	Holly Springs, NC (US)	1	3,775	Ben Sisko Adolphe	San Antonio, TX (US)	1
3,731	Aaron Lieber	Danville, CA (US)	1	3,776	Ilana Alexandra Golbin	Pasadena, CA (US)	1
3,732	Nis David Nømark Jespersen	Copenhagen, DK	1	3,777	Joseph David Voyles	Louisville, KY (US)	1
3,733	Thiago Rodrigues	Randolph, NJ (US)	1	3,778	Kris Douglas Kersey	Pittsburgh, PA (US)	1
3,734	Goncalo Pestana	London, GB	1	3,779	Gareth Neville Genner	Atlanta, GA (US)	1
3,735	Benjamin Livshits	London, GB	1	3,780	Sunil Dixit	Torrance, CA (US)	1

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#	Name	Location	Patents	#	Name	Location	Patents
3,781	John P Peeters	Williamsburg, VA (US)	1	3,826	Yeonhyang Kim	Suwon-si, KR	1
3,782	Avrohom Meir Gluck	Spring Valley, NY (US)	1	3,827	Aloknath De	Karnataka, IN	1
3,783	Alison Heiss McLaney	Miami Beach, FL (US)	1	3,828	Anton Yegorin	Dublin, IE	1
3,784	Mark Coast	San Diego, CA (US)	1	3,829	Sean A McKenna	Blanchardstown, IE	1
3,785	Andrea Hoeller	Graz, AT	1	3,830	Andreas Adamec	Northridge, CA (US)	1
3,786	Walther Pachler	Graz, AT	1	3,831	Christopher V Beckman	Los Angeles, CA (US)	1
3,787	Bartlomiej Stanislaw Filipek	Filipowice, PL	1	3,832	Gopal Gupta	Bengaluru, IN	1
3,788	Maciej Snopczynski	Cracow, PL	1	3,833	Nagendra Babu Rapaka	Bengaluru, IN	1
3,789	Michal Zarakowski	Cracow, PL	1	3,834	Abhinesh Mishra	Bengaluru, IN	1
3,790	Karol Oleszek	Giebułtow, PL	1	3,835	Amit Agrawal	Bengaluru, IN	1
3,791	Terrance Patrick Tietzen	Edmonton, CA	1	3,836	David Bernard Thaw	Flower Mound, TX (US)	1
3,792	Matthew Arnold Macpherson Bates	Beaumont, CA	1	3,837	Hyung Kyu Kang	Incheon, KR	1
3,793	Michael J Kimball	Santa Ana, CA (US)	1	3,838	Mark Lloyd Braunstein	New York, NY (US)	1
3,794	Rachit Verma	New Delhi, IN	1	3,839	Kei Nakajima	Tokyo, JP	1
3,795	Gayatri Dwivedi	Gurugram, IN	1	3,840	Hirotaka Uchitomi	Tokyo, JP	1
3,796	Chung Yu Huang	Singapore, SG	1	3,841	David Gerard Ledet	Allen, TX (US)	1
3,797	Anirudh Kamalapuram Muralidhar	San Jose, CA (US)	1	3,842	Dominique Meroux	Fair Oaks, CA (US)	1
3,798	Peiling Ding	Redmond, WA (US)	1	3,843	Zhen Jiang	Mountain View, CA (US)	1
3,799	Garfield Vaughn	Southbury, CT (US)	1	3,844	Sangmin Lee	Suwon-si, KR	1
3,800	Tetiana Iakovenko	Brooklyn, NY (US)	1	3,845	Sangheun Oh	Suwon-si, KR	1
3,801	Marcelo A Martins	Markham, CA	1	3,846	YuHong Nie	Shanghai, CN	1
3,802	Rolando Franco	New York, NY (US)	1	3,847	Jinpeng Liu	Shanghai, CN	1
3,803	Abhilash Jayakumar	San Francisco, CA (US)	1	3,848	Hirak Patangia	Little Rock, AR (US)	1
3,804	Nishil Shah	San Francisco, CA (US)	1	3,849	Angus Adams	London, GB	1
3,805	Morgan Roman	Kyoto, JP	1	3,850	Steven Patrick Coughlan	London, GB	1
3,806	Vipul Patil	San Francisco, CA (US)	1	3,851	Carson Raymond Cook	Venice, CA (US)	1
3,807	Daniel Que	San Francisco, CA (US)	1	3,852	Douglas G Kinnaird	Calgary, CA	1
3,808	Liang Lu	Shanghai, CN	1	3,853	Ruiping Li	San Jose, CA (US)	1
3,809	Andrew Cheung	Toronto, CA	1	3,854	Susan K Schreitmueller	Irving, TX (US)	1
3,810	Alexey Shpurov	Toronto, CA	1	3,855	Shelbee D Smith-Eigenbrode	Thornton, CO (US)	1
3,811	Serguei Strakhov	Mississauga, CA	1	3,856	David D Weck	Santa Rosa Beach, CA (US)	1
3,812	Moustafa Mohamed Amin	Cairo, EG	1	3,857	Sahil Sharma	Bengaluru, IN	1
3,813	Mayande Gowon Walker	New York, NY (US)	1	3,858	Ben William Gordon Hurst	London, GB	1
3,814	Haolun Huang	Kariya, JP	1	3,859	Ping An	Punggol, SG	1
3,815	Tatsuya Okabe	Kariya, JP	1	3,860	Purna Aditya Kumar Bhimaraju	San Jose, CA (US)	1
3,816	Himank Gupta	Kariya, JP	1	3,861	Varun Kumar	Uxbridge, GB	1
3,817	Bijoyendra Nath	Edina, MN (US)	1	3,862	Tao Rong	Zhejiang, CN	1
3,818	Scott R Warmka	Burnsville, MN (US)	1	3,863	Yan Wang	Zhejiang, CN	1
3,819	Panagiotis Antonopoulos	Redmond, WA (US)	1	3,864	Bradley Turner	Albany, CA (US)	1
3,820	Jakub J Szymaszek	Issaquah, WA (US)	1	3,865	Jonathan Michael Padilla	San Jose, CA (US)	1
3,821	Raghav Kaushik	Kirkland, WA (US)	1	3,866	Ming Zhe Jiang	Beijing, CN	1
3,822	Conor J Cunningham	Austin, TX (US)	1	3,867	Xiao Hu He	Beijing, CN	1
3,823	Roberto DiPietro	Nozay, FR	1	3,868	Xiao Yan Wang	Beijing, CN	1
3,824	Wael Kanoun	Nozay, FR	1	3,869	Xiao Tong Chi	Beijing, CN	1
3,825	Riccardo Vieri	Firenza, IT	1	3,870	Nishkarsh Tomar	Bareilly, IN	1

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#	Name	Location	Patents	#	Name	Location	Patents
3,871	Shubam Gupta	Jammu, IN	1	3,916	Rajasekaran Dhamodharan	San Carlos, CA (US)	1
3,872	Pooja Gupta	Ludhiana, IN	1	3,917	David James Fleming	Wicklow, IE	1
3,873	Masaya Honjo	Tokyo, JP	1	3,918	Jesse Thomas Seaver	Stamford, CT (US)	1
3,874	Mitsuhiro Matsumoto	Tokyo, JP	1	3,919	Sacha Tueni	Stamford, CT (US)	1
3,875	Roxana Iuliana Teodor	York, GB	1	3,920	Noah Thorp	Stamford, CT (US)	1
3,876	Peter Damian Ashton	York, GB	1	3,921	Michael Reeder	Stamford, CT (US)	1
3,877	Remy Lyon	York, GB	1	3,922	Sravan Kommuri	Hyperbad, IN	1
3,878	Siamak Fayyaz Shahandashti	York, GB	1	3,923	Yoshiki Higashikado	Yokohama, JP	1
3,879	Cheng Yong Zhao	Shanghai, CN	1	3,924	Shingo Fujimoto	Yokohama, JP	1
3,880	Zhong Shi Lu	Shanghai, CN	1	3,925	Masanobu Morinaga	Yokohama, JP	1
3,881	Ze Rui Yuan	Shanghai, CN	1	3,926	Alecio Pedro Delazari Binotto	Sao Paulo, BR	1
3,882	Yan Liang Qiao	Shanghai, CN	1	3,927	Yong Tae Kim	Seoul, KR	1
3,883	Bryan Nobuhara	Brooklyn, NY (US)	1	3,928	Byung Wan Lim	Seoul, KR	1
3,884	Shyam Ravindranathan	Sunnyvale, CA (US)	1	3,929	Michael Weber	Potsdam, DE	1
3,885	Anand Tekkam	Fremont, CA (US)	1	3,930	Samuel Brack	Berlin, DE	1
3,886	Ramshankar Venkatasubramanian	Santa Clara, CA (US)	1	3,931	Paul Claudius	Berlin, DE	1
3,887	Bipin Bihari Pandey	Cupertino, CA (US)	1	3,932	Christopher Parson	Mansfield, MA (US)	1
3,888	Derek Norman La Salle	Kirkland, WA (US)	1	3,933	Takayuki Nakamura	Fukuoka, JP	1
3,889	Payman Mohassel	San Jose, CA (US)	1	3,934	Mark A McClung	Frisco, TX (US)	1
3,890	Chaya Ganesh	New York, NY (US)	1	3,935	Matthew R Olden	Las Vegas, NV (US)	1
3,891	Michael Dawson	Minato-ku, JP	1	3,936	Tushar Srivastava	New York, NY (US)	1
3,892	Precia Carraway	Bellevue, WA (US)	1	3,937	Prerit Srivastava	Gurugram, IN	1
3,893	Ali Daniali	Lynnwood, WA (US)	1	3,938	Mayank Tewari	Gurugram, IN	1
3,894	Kalyani Bogineni	Irving, TX (US)	1	3,939	Heikki Mahkonen	San Jose, CA (US)	1
3,895	Mohan Palat	Shrewsbury, MA (US)	1	3,940	Zoltán Turányi	Szentendre, HU	1
3,896	Ratul K Guha	Warwick, PA (US)	1	3,941	Vishwanath Venkataramappa	Austin, TX (US)	1
3,897	Sudhakar Reddy Patil	Flower Mound, TX (US)	1	3,942	Messaoud Benantar	Austin, TX (US)	1
3,898	Jignesh S Panchal	Hillsborough, NJ (US)	1	3,943	Chiu Hung Hung	Hong Kong, CN	1
3,899	Kristen Sydney Young	Morris Plains, NJ (US)	1	3,944	Paul F Dowding	Ridgefield, CT (US)	1
3,900	Hans Raj Nahata	New Providence, NJ (US)	1	3,945	Michael Maloney	New York, NY (US)	1
3,901	Fabrice Cheng	Los Angeles, CA (US)	1	3,946	Jonathan Mohan	New York, NY (US)	1
3,902	Matthew Benjamin Smith	Playa Vista, CA (US)	1	3,947	Paul Zappier	Middletown, NY (US)	1
3,903	Mollie Zechlin Halverson	Los Angeles, CA (US)	1	3,948	Nicholas Paul Zappier	Middletown, NY (US)	1
3,904	Takayoshi Nakayama	Kawasaki, JP	1	3,949	Shuai Dong	Beijing, CN	1
3,905	Mukundan Sundararajan	Bengaluru, IN	1	3,950	Qiuyan Yao	Beijing, CN	1
3,906	Neha Shah	Kolkata, IN	1	3,951	Bowen Bao	Beijing, CN	1
3,907	Arindam Dasgupta	Kolkata, IN	1	3,952	Chao Li	Beijing, CN	1
3,908	Suman Das	Kolkata, IN	1	3,953	Zhengjie Sun	Beijing, CN	1
3,909	Wei-Ming Hu	Palo Alto, CA (US)	1	3,954	Jie Zhang	Beijing, CN	1
3,910	Amrish Srivastava	San Ramon, CA (US)	1	3,955	Paul Brian Tippett	Raleigh, NC (US)	1
3,911	Julio Marcelo Ripoll	Beccar—San Isidro—Provincia de Bs As, AR	1	3,956	Jody Sankey	Sunnyvale, CA (US)	1
3,912	Federico Eduardo Carpi	Salto, AR	1	3,957	Radu Vestemean	Thornhill, CA	1
3,913	Hao Song	Beijing, CN	1	3,958	Ju Wook Jang	Seoul, KR	1
3,914	Baohua Lai	Beijing, CN	1	3,959	Beom Suk Lee	Seoul, KR	1
3,915	Mohammed Sadiq Ahmad	Dublin, CA (US)	1	3,960	Jae Geun Song	Seoul, KR	1

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#	Name	Location	Patents	#	Name	Location	Patents
3,961	Jahu G Coleman	Bellevue, WA (US)	1	4,006	Seung Woo Kim	Seoul, KR	1
3,962	Ansuya Negi	Beaverton, OR (US)	1	4,007	Jae Geol Cho	Seongnam, KR	1
3,963	Rita H Wouhaybi	Portland, OR (US)	1	4,008	Sang Han Lee	Seoul, KR	1
3,964	Igor Tatourian	Santa Clara, CA (US)	1	4,009	Dae Hee Kim	Suwon, KR	1
3,965	Alex Nayshtut	Gan Yavne, IL	1	4,010	Sun Joo Ryu	Seongnam, KR	1
3,966	Andrzej Horoszczak	Warsaw, PL	1	4,011	Joo Sung Hong	Asan, KR	1
3,967	Remigiusz Czerwiński	Warsaw, PL	1	4,012	Iqbal Mohamed	Surrey, CA	1
3,968	Rafał Łukasz Czaja	Warsaw, PL	1	4,013	Kyra Dhawan	North Potomac, MD (US)	1
3,969	Michał Wichulski	Warsaw, PL	1	4,014	Kian Dhawan	North Potomac, MD (US)	1
3,970	Jeffrey Arthur Deneau	Warsaw, PL	1	4,015	Danyal Panjwani	Hillsborough, CA (US)	1
3,971	Eleftherios Koutsofios	Berkeley Hts, NJ (US)	1	4,016	Jack Bonomo	Hillsborough, CA (US)	1
3,972	Stephen J Brown	Malibu, CA (US)	1	4,017	S U M Prasad Dhanyamraju	Hyderabad, IN	1
3,973	Stephen C Harris	Los Angeles, CA (US)	1	4,018	Sriganesh Sultanpurkar	Hyderabad, IN	1
3,974	Paul Taylor	Dundrum, IE	1	4,019	Shiva Kumar Sholayappan	Hyderabad, IN	1
3,975	Tomoko Yonemura	Kawasaki Kanagawa, JP	1	4,020	Mounika Kalidindi	Hyderabad, IN	1
3,976	Tsukasa Omino	Tokyo, JP	1	4,021	Nandini Matam	Hyderabad, IN	1
3,977	Yoshikazu Hanatani	Tokyo, JP	1	4,022	Yabo Zhang	Beijing, CN	1
3,978	Taihei Yamaguchi	Chigasaki Kanagawa, JP	1	4,023	Tal Arieh Be'Ery	Petah Tikva, IL	1
3,979	Misaki Komatsu	Yokohama Kanagawa, JP	1	4,024	Menahem Cherbakovsky	Rehovot, IL	1
3,980	Sidarta F Beltramin	Brasil, BR	1	4,025	Patrick Mochar	Ingolstadt, DE	1
3,981	Fernando D Belo	Paraná, BR	1	4,026	Christoph Grasser	Beilngries, DE	1
3,982	Guilherme Martini	Curitiba Paraná, BR	1	4,027	Erich Schall	Vohburg, DE	1
3,983	Evan P Sevel	Huntsville, AL (US)	1	4,028	Harsha Kolagani	Hyderabad, IN	1
3,984	James D Seaton	Downers Grove, IL (US)	1	4,029	Ashfaq Shaik	Hyderabad, IN	1
3,985	Owen Crowley	Carrigaline, IE	1	4,030	Michael McMahon	Jersey City, NJ (US)	1
3,986	Peniel Charles	Bengaluru, IN	1	4,031	Khan Baykaner	Upper Cambourne, GB	1
3,987	Joseph Kanjirathinkal	Cary, NC (US)	1	4,032	Alberto Ramos	Cambridge, GB	1
3,988	Woo Kyun Kho	Seoul, KR	1	4,033	Dongbin Wang	Beijing, CN	1
3,989	Eun Sol Lee	Seoul, KR	1	4,034	Hui Zhi	Beijing, CN	1
3,990	Abdelkadar M'Hamed Benkreira	Washington, DC (US)	1	4,035	Zhouyi Zhu	Beijing, CN	1
3,991	Ankur Sambhar	Thane West, IN	1	4,036	Xu Zhang	Beijing, CN	1
3,992	Mark A Will	Singapore, SG	1	4,037	Jinqiao Shi	Beijing, CN	1
3,993	Sanjeev Solanki	Singapore, SG	1	4,038	Yueming Lu	Beijing, CN	1
3,994	Kailash Sivanesan	Singapore, SG	1	4,039	Zemin Zhou	Beijing, CN	1
3,995	Ilya Dubinsky	Kefar Sava, IL	1	4,040	Hui Wu	Beijing, CN	1
3,996	Sunghyuk Lee	Suwon-si, KR	1	4,041	Kun Guo	Beijing, CN	1
3,997	Sooyeon Kim	Suwon-si, KR	1	4,042	Yaoyao Guo	Beijing, CN	1
3,998	Juyoung Kim	Suwon-si, KR	1	4,043	Maher Khatib	Montreal, CA	1
3,999	Jaehun Jung	Suwon-si, KR	1	4,044	Mushegh Hakhinian	Westwood, MA (US)	1
4,000	Jinki Jung	Suwon-si, KR	1	4,045	Yesong Wang	Beijing, CN	1
4,001	Mariela Claudia Lanza	Tandil, AR	1	4,046	Lei Wang	Hangzhou, CN	1
4,002	Rohini Sabnis	Bengaluru, IN	1	4,047	Tingkai Liu	Aurora, IL (US)	1
4,003	Imtiaz Elahi	Bengaluru, IN	1	4,048	Paul Burchard	Jersey City, NJ (US)	1
4,004	Jason Meinzer	Santa Monica, CA (US)	1	4,049	Joseph Cascioli	Ithaca, NY (US)	1
4,005	Jaffershah Jahangeer	Bengaluru, IN	1	4,050	Judson Powers	Ithaca, NY (US)	1

INVENTORS

#	Name	Location	Patents	#	Name	Location	Patents
4,051	Thomas Benjamin	Palo Alto, CA (US)	1	4,096	Anthony Sziklai	Oak Park, CA (US)	1
4,052	Sriram Narasimhan	Palo Alto, CA (US)	1	4,097	Kyung Dong Park	Gyeonggi-do, KR	1
4,053	Abhay Saswade	Palo Alto, CA (US)	1	4,098	Sreekrishnan Venkateswaran	Bengaluru, IN	1
4,054	Gireesh Malaksamudra	Palo Alto, CA (US)	1	4,099	Charanjit Singh Jutla	Yorktown Heights, NY (US)	1
4,055	Gary Mawdsley	Manchester, GB	1	4,100	Long Yu	Wauwatosa, WI (US)	1
4,056	Dmitry Tishkovsky	Manchester, GB	1	4,101	Brian J Young	Slinger, WI (US)	1
4,057	Ruby Cheng	Taipei, TW	1	4,102	Cong Wang	Hong Kong, CN	1
4,058	Wing Lun Chung	Hong Kong, CN	1	4,103	Yifeng Zheng	Hong Kong, CN	1
4,059	Harry Tu	Pleasanton, CA (US)	1	4,104	Chengjun Cai	Hong Kong, CN	1
4,060	John J Costello	Indianapolis, IN (US)	1	4,105	Ankur Mehta	Haryana, IN	1
4,061	Richard J Skertic	Carmel, IN (US)	1	4,106	Jonathan Heavey	Rocky River, OH (US)	1
4,062	Kaustav Haldar	Toronto, CA	1	4,107	Min-Chung Gia	Taipei, TW	1
4,063	Erik Rueger	Kelsterbach, DE	1	4,108	Chien-Liang Chen	New Taipei, TW	1
4,064	Zhizhuo Zhang	Branford, CT (US)	1	4,109	Kun-Ren Siao	New Taipei, TW	1
4,065	Manolis Kellis	Boston, MA (US)	1	4,110	Kan Yang	Germantown, TN (US)	1
4,066	Dianbo Liu	Cambridge, MA (US)	1	4,111	Lan Wang	Memphis, TN (US)	1
4,067	Anne Kim	Cambridge, MA (US)	1	4,112	Anilkumar Vadali	Niskayuna, NY (US)	1
4,068	Lauren Huang	New York, NY (US)	1	4,113	Lalit Keshav Mestha	North Colonie, NY (US)	1
4,069	Sandeep Nuckchady	Quatre Bornes, MU	1	4,114	Daniel Francis Holzhauer	Santa Clarita, CA (US)	1
4,070	Jeffrey H Hunt	Los Angeles, CA (US)	1	4,115	Moshiur Rahman	Marlboro, NJ (US)	1
4,071	Lori S Smith	Seattle, WA (US)	1	4,116	Alexandra Holz	Aachen, DE	1
4,072	Fong Chuan Julian Yu	Singapore, SG	1	4,117	Roy Hendrikx	Kinrooi, BE	1
4,073	Joseph Sean Williams Tubay	Chicago, IL (US)	1	4,118	Martin Wiecker	Würselen, DE	1
4,074	Thierry Lucidarme	Chevreuse, FR	1	4,119	Stuart Easson	Santa Cruz, CA (US)	1
4,075	Stephane Dupre la Tour	Saint-Germain en Laye, FR	1	4,120	Detlef Kuck	Inden, DE	1
4,076	Quentin Drouot	Antony, FR	1	4,121	Mainak Choudhury	Bengaluru, IN	1
4,077	Liang Ruan	Hangzhou, CN	1	4,122	Vikalp Mullick	Jabalpur, IN	1
4,078	Hangsheng Xu	Hangzhou, CN	1	4,123	Scott Michael Zoldi	San Diego, CA (US)	1
4,079	Myoshi Toda	Kanagawa, JP	1	4,124	Shafi Rahman	San Diego, CA (US)	1
4,080	Sumant Sahoo	Bengaluru, IN	1	4,125	Sakshi Bakshi	New Delhi, IN	1
4,081	Prakash Sridharan	Bengaluru, IN	1	4,126	Siva Kumar Paini	Telangana, IN	1
4,082	Ramakanth Kanagovi	Bengaluru, IN	1	4,127	Amod Jha	Telangana, IN	1
4,083	Ravi Shukla	Bengaluru, IN	1	4,128	Amit Kumar Sati	Uttarakhand, IN	1
4,084	Arun Swamy	Bengaluru, IN	1	4,129	Alexander Lipton	Chicago, IL (US)	1
4,085	Wei Ming Hu	Palo Alto, CA (US)	1	4,130	Tsutomu Ishigaya	Tokyo, JP	1
4,086	Hongjie Yang	Foster City, CA (US)	1	4,131	Ryo Sasada	Tokyo, JP	1
4,087	Ilian Pashov	Constance, DE	1	4,132	Takaaki Iizuka	Tokyo, JP	1
4,088	Oliver Stroebel	Frankfurt am Main, DE	1	4,133	Ritwik Chaudhuri	Bengaluru, IN	1
4,089	Michael Zettler	Allensbach, DE	1	4,134	Dimitrios Schoinianakis	Munich, DE	1
4,090	Vidit Maniyar	San Jose, CA (US)	1	4,135	Naga Adapala	Pleasanton, CA (US)	1
4,091	Arjun Shukla	San Jose, CA (US)	1	4,136	Kevin D Bouey	San Anselmo, CA (US)	1
4,092	Jiaxiang Liu	Beijing, CN	1	4,137	Judd Holroyde	Mill Valley, CA (US)	1
4,093	Christoph Bertsch	Pacific Palisades, CA (US)	1	4,138	Aravind Krishnasamy	San Ramon, CA (US)	1
4,094	Rodney Lake	Santa Monica, CA (US)	1	4,139	Bipin M Sahni	Pleasanton, CA (US)	1
4,095	Douglas Sturgeon	Half Moon Bay, CA (US)	1	4,140	Jae Young Lim	Gwangju-si, KR	1

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#	Name	Location	Patents	#	Name	Location	Patents
4,141	Eric Bravick	Traverse City, MI (US)	1	4,186	Senthilkumar Jahunnathan	Bengaluru, IN	1
4,142	David Marc Grossblatt	San Francisco, CA (US)	1	4,187	Parag Pandit	Bengaluru, IN	1
4,143	Maria Carolina Barraza Enciso	New York, NY (US)	1	4,188	Maiby Kunjachan	Pulpally, IN	1
4,144	Ji Won Kim	Seoul, KR	1	4,189	Rajendra Muthusamy	Bengaluru, IN	1
4,145	Yujia Zhang	Shanghai, CN	1	4,190	Prashant Sahadev Sawant	Mumbai, IN	1
4,146	Minwei Fang	Shanghai, CN	1	4,191	Prashant V Kulkarni	Bengaluru, IN	1
4,147	Jintai Ding	Cincinnati, OH (US)	1	4,192	Wisam Mohammed	San Jose, CA (US)	1
4,148	Yangxing Ding	Cincinnati, OH (US)	1	4,193	Dimitre Ognianov Dintchev	Reno, NV (US)	1
4,149	Zhiqiang Ma	Hong Kong, CN	1	4,194	Stuart L Corrans	Reno, NV (US)	1
4,150	Randall M Katz	Beverly Hills, CA (US)	1	4,195	Matt Turrino	Reno, NV (US)	1
4,151	Robert Tercek	Los Angeles, CA (US)	1	4,196	Micah Scott	Fayetteville, GA (US)	1
4,152	Amanda House	Frisco, TX (US)	1	4,197	Denis Bederov	Berlin, DE	1
4,153	Celeste R Fralick	Lubbock, TX (US)	1	4,198	Denis Donin	Moscow, RU	1
4,154	Sherin Mathews	Fremont, CA (US)	1	4,199	Rajeev Malhotra	Boston, MA (US)	1
4,155	William C Johnson	Marina Del Rey, CA (US)	1	4,200	Mohd Sufyan	New Delhi, IN	1
4,156	Karen Ispiryan	Santa Monica, CA (US)	1	4,201	Gregoire Zveguintzoff	Limonest, FR	1
4,157	Gurgen Khachatryan	Marina Del Rey, CA (US)	1	4,202	Dominique Rodier	Nanterre, FR	1
4,158	Mark Gregorek	Mahwah, NJ (US)	1	4,203	Gilbert Musnik	Nanterre, FR	1
4,159	Alexandra Gregorek	Mahwah, NJ (US)	1	4,204	Kush G Parikh	Seattle, WA (US)	1
4,160	John Bulich	City Beach, AU	1	4,205	Vivek Kulkarni	Unterhaching, DE	1
4,161	Nuno Cristina Martins	City Beach, AU	1	4,206	Michael t Chiaramonte	New York, NY (US)	1
4,162	Govert Van Ek	City Beach, AU	1	4,207	Peter Kacherginsky	San Francisco, CA (US)	1
4,163	Oliver Peter Curtis	Vaucluse, AU	1	4,208	Alin-Daniel Iftemi	Slatina, RO	1
4,164	Nicholas Anthony Curtis	Elizabeth Bay, AU	1	4,209	Shaunt M Sarkissian	Phoenix, AZ (US)	1
4,165	Joey H Y Tseng	Taipei, TW	1	4,210	William Dennings	Phoenix, AZ (US)	1
4,166	Chih-Wen Su	Taipei, TW	1	4,211	Michael Valasanyan	Yerevan, AM	1
4,167	Danny Soroker	Larchmont, NY (US)	1	4,212	Luis Miguel Prata Ramos	Braga, PT	1
4,168	Tsz Hon Yuen	Singapore, SG	1	4,213	Benjamin Golden	Tucson, AZ (US)	1
4,169	Haojun Zhou	Nanjing, CN	1	4,214	Shijie Wang	Hangzhou, CN	1
4,170	Zubin Teja	Coral Springs, FL (US)	1	4,215	Benjamin Allan Mord	Scarsdale, NY (US)	1
4,171	Andrew Kinai	Nairobi, KE	1	4,216	Allan J Mord	Boonton, NJ (US)	1
4,172	Qingsheng Zhang	Beijing, CN	1	4,217	Yifan Wang	San Jose, CA (US)	1
4,173	Thomas Treitlinger	Dublin, IE	1	4,218	Weiqi Wang	Palo Alto, CA (US)	1
4,174	Ashwini Kadarmandalgi	Fremont, CA (US)	1	4,219	Marsha Lipton	Chicago, IL (US)	1
4,175	Sowmya Saiprasad	Union City, CA (US)	1	4,220	Liang Lv	Beijing, CN	1
4,176	Srinivas Vadhri	San Ramon, CA (US)	1	4,221	Qi Tan	Beijing, CN	1
4,177	Shantanu Choudhary	Telangana, IN	1	4,222	Yi Zhao	Beijing, CN	1
4,178	Balaji Kaliappan	Telangana, IN	1	4,223	Shengdong Pang	Hangzhou, CN	1
4,179	Jian Wang	Shanghai, CN	1	4,224	Yair Allouche	Dvira, IL	1
4,180	Nir Rozenbaum	Haifa, IL	1	4,225	Oded Margalit	Ramat Gan, IL	1
4,181	Mohammed Salman	Santa Clara, CA (US)	1	4,226	Tom Weiss	Tel Aviv, IL	1
4,182	Rajarao Bhagya Prasad Nittur	Santa Clara, CA (US)	1	4,227	Baohua Yang	Foster City, CA (US)	1
4,183	Ram Tripathi	Santa Clara, CA (US)	1	4,228	Gothandapani Krishnan	Bengaluru, IN	1
4,184	Mohit Goyal	Santa Clara, CA (US)	1	4,229	Sanyam Jain	Udaipur, IN	1
4,185	Rajesh Kumar Ganapathy Achari	Mumbai, IN	1	4,230	Vasu Kanna Bhagam	Hyderabad, IN	1

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#	Name	Location	Patents	#	Name	Location	Patents
4,231	Ji-Tae Ha	Seoul, KR	1	4,276	Lizhong Li	Zhejiang, CN	1
4,232	Kimberly J Taft	Austin, TX (US)	1	4,277	My T Thai	Gainesville, FL (US)	1
4,233	Angelo Danducci, II	Austin, TX (US)	1	4,278	Thang N Dinh	Richmond, VA (US)	1
4,234	Devon E Mensching	Austin, TX (US)	1	4,279	Lan Nguyen	Gainesville, FL (US)	1
4,235	Andri Handoko	Brea, CA (US)	1	4,280	Truc Nguyen	Gainesville, FL (US)	1
4,236	Steven Hawkins	Brea, CA (US)	1	4,281	Anna Bacher	Vienna, AT	1
4,237	Samuel A Carswell	Brea, CA (US)	1	4,282	Erich Gstrein	Vienna, AT	1
4,238	Savithru Mallikarjuna Durga Lokanath	Palo Alto, CA (US)	1	4,283	Junya Arakawa	Kanagawa, JP	1
4,239	Alexei Dulub	Dubai, AE	1	4,284	Rose Margaret Smith	Warwick, NY (US)	1
4,240	Ashok Babu Channa	Bengaluru, IN	1	4,285	Samuel Francis Smith	Warwick, NY (US)	1
4,241	Amogha D Shanbhag	Bengaluru, IN	1	4,286	Clyde Clinton Smith	Warwick, NY (US)	1
4,242	Vinay Kumar	Bengaluru, IN	1	4,287	Ruixue Zhang	Shanghai, CN	1
4,243	Vijaya Kumar Tukka	Banagalore, IN	1	4,288	Joel Christner	San Jose, CA (US)	1
4,244	Deepraj Prabhakar Patkar	Bengaluru, IN	1	4,289	Adam Jacobson	Washington, DC (US)	1
4,245	Sravana Kumar Karivedala	Bengaluru, IN	1	4,290	Scott D Tenaglia	Arlington, VA (US)	1
4,246	Nicholas Saponaro	Spring Valley, CA (US)	1	4,291	Sean Al-Gattas	Arlington, VA (US)	1
4,247	Geoffrey McCabe	Cobano, CR	1	4,292	Kelly Weeks	Arlington, VA (US)	1
4,248	German Luna Patiarroy	San Rafael, CR	1	4,293	Honggang Wang	Clifton Park, NY (US)	1
4,249	Michael Greenwood	Seattle, WA (US)	1	4,294	Willard Monten Wiseman	Amsterdam, NY (US)	1
4,250	David Beardsworth	London, GB	1	4,295	Masoud Abbaszadeh	Clifton Park, NY (US)	1
4,251	Jeddiah Stone	London, GB	1	4,296	Prashant Sanghvi	Gurgaon, IN	1
4,252	Jonathan Empson	London, GB	1	4,297	Asmita Bhattacharya	Gurgaon, IN	1
4,253	Jeff Wang	San Francisco, CA (US)	1	4,298	Pravesh Kumar	New Delhi, IN	1
4,254	Jonathan Shih	San Francisco, CA (US)	1	4,299	Avishek Saha	New Delhi, IN	1
4,255	Thomas Manville	Mountain View, CA (US)	1	4,300	Piyush Manocha	New Delhi, IN	1
4,256	Bryan Young	Orlando, FL (US)	1	4,301	Rakesh Sharma	Delhi, IN	1
4,257	Steven Better	Durham, NC (US)	1	4,302	Yi Guo	Hangzhou, CN	1
4,258	Geoffrey Lap Fai Yuen	Hong Kong, CN	1	4,303	Yongxiang Zhang	Hangzhou, CN	1
4,259	Pasquale A Catalano	Wallkill, NY (US)	1	4,304	Sufang Peng	Guangzhou, CN	1
4,260	Andrew G Crimmins	Montrose, NY (US)	1	4,305	Anjali Gulati	Fremont, CA (US)	1
4,261	Byron S Green	Poughkeepsie, NY (US)	1	4,306	Phillipus Van Eeden	Fremont, CA (US)	1
4,262	Arkadiy O Tsfasman	Wappingers Falls, NY (US)	1	4,307	Qizhong Zhu	Chengdu, CN	1
4,263	John S Werner	Fishkill, NY (US)	1	4,308	Arnaldo A Detres	West Palm Beach, FL (US)	1
4,264	Michael J Bordash	Newtown, CT (US)	1	4,309	Alonzo Pierce	Houston, TX (US)	1
4,265	Chih-Hong Wong	Beijing, CN	1	4,310	Vijay Alwar	Bengaluru, IN	1
4,266	Shalaka Verma	Mumbai, IN	1	4,311	Aditya Bharadwaj B N	Bengaluru, IN	1
4,267	Kishore Atreya	Brooklyn, NY (US)	1	4,312	Vishakha Lall	Mumbai, IN	1
4,268	Connor Keenan	Brooklyn, NY (US)	1	4,313	Masayuki Akutsu	Tokyo, JP	1
4,269	Ricardo Stuven	Brooklyn, NY (US)	1	4,314	Sean Moss-Pultz	Cardiff-by-the-Sea, CA (US)	1
4,270	Ruben Torres	Brooklyn, NY (US)	1	4,315	Casey Alt	Taipei, TW	1
4,271	Samir Mehta	Brooklyn, NY (US)	1	4,316	Christopher Hall	Taipei, TW	1
4,272	Matthew Smailey	Phoenix, AZ (US)	1	4,317	Le Quy Quoc Cuong	Taipei, TW	1
4,273	Nico R Willis	Phoenix, AZ (US)	1	4,318	Yu-Chiang Frank Wang	Taipei, TW	1
4,274	Abrarahmed Maniyar	Phoenix, AZ (US)	1	4,319	Tzu-Yun Eddie Lin	Taipei, TW	1
4,275	Kyle Walker	Washington, DC (US)	1	4,320	Lin Ni Lisa Cheng	New York, NY (US)	1

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#	Name	Location	Patents	#	Name	Location	Patents
4,321	Yongqiang Li	Zhejiang, CN	1	4,366	Tian'en Chen	Xi'an, CN	1
4,322	Raj Sohmshetty	Canton, MI (US)	1	4,367	Yongqing Wang	Xi'an, CN	1
4,323	Peter Friedman	Ann Arbor, MI (US)	1	4,368	Jian Liu	Xi'an, CN	1
4,324	Deborah Eleanor Barta	New York, NY (US)	1	4,369	Wen Xin Leong	Singapore, SG	1
4,325	Shu Shang	Hangzhou, CN	1	4,370	Bryan Fink	San Jose, CA (US)	1
4,326	Chenxing Li	Hangzhou, CN	1	4,371	Andrew Joseph Stone	Malden, MA (US)	1
4,327	Peilun Li	Hangzhou, CN	1	4,372	Paul Raymond Scheid	West Hartford, CT (US)	1
4,328	Zhe Yang	Hangzhou, CN	1	4,373	Soubir Acharya	Pleasantville, NY (US)	1
4,329	Guang Yang	Hangzhou, CN	1	4,374	Mirza Nasir Hossain	Kolkata, IN	1
4,330	Dong Zhou	Hangzhou, CN	1	4,375	Parag Bhupatray Oza	Township of Washington, NJ (US)	1
4,331	Ming Wu	Hangzhou, CN	1	4,376	Harika Narumanchi	Chennai, IN	1
4,332	Fan Long	Hangzhou, CN	1	4,377	Anil Lewis	Scarborough, CA	1
4,333	Simon J Hurry	Foster City, CA (US)	1	4,378	Andrei Saikouski	Toronto, CA	1
4,334	Alexandre Pierre	San Mateo, CA (US)	1	4,379	Joseph Kim	Toronto, CA	1
4,335	Michael Edward McLafferty	Staffordshire, GB	1	4,380	Ally Karmali	Toronto, CA	1
4,336	Luis Eduardo Gutierrez-Sheris	Glen Rock, NJ (US)	1	4,381	Charbel Safadi	Mississauga, CA	1
4,337	Changle Li	Shaanxi, CN	1	4,382	Chang Hyun Lee	Daejeon, KR	1
4,338	Fan Li	Shaanxi, CN	1	4,383	Sung Kee Noh	Daejeon, KR	1
4,339	Yuchuan Fu	Shaanxi, CN	1	4,384	Hwan Jo Heo	Daejeon, KR	1
4,340	Pincan Zhao	Shaanxi, CN	1	4,385	Nam Seok Ko	Daejeon, KR	1
4,341	Prathap Siddavaatam	Toronto, CA	1	4,386	Michael J Witbrock	Ossining, NY (US)	1
4,342	Yanjiao Chen	Hangzhou, CN	1	4,387	Alexander Krakopolsky	Oakland Park, FL (US)	1
4,343	Wenyuan Xu	Hangzhou, CN	1	4,388	Dmitry Tochilnik	Oakland Park, FL (US)	1
4,344	Chaiwat Sittisombut	Nakhon-Ratchasima, TH	1	4,389	Komal Shrivastava	Milton, GA (US)	1
4,345	Colin Thomson	Woodlands, SG	1	4,390	Jonathan Erskine	Coral Springs, FL (US)	1
4,346	Chekim Chhuor	Shanghai, CN	1	4,391	Matthew Fletcher	Apex, NC (US)	1
4,347	Zhi Jun Liu	Shanghai, CN	1	4,392	Takuma Takeuchi	Kawasaki, JP	1
4,348	Wen Wei Tang	Shanghai, CN	1	4,393	Ken Kamakura	Machida, JP	1
4,349	Igor Tkachev	Moscow, RU	1	4,394	Geng-Bao Lin	New Taipei, TW	1
4,350	Vladimir Miroshkin	Moscow, RU	1	4,395	Prabhanjan Gururaj	Bangalore Karnataka, IN	1
4,351	Donna N Eng Dillenberger	Yorktown Heights, NY (US)	1	4,396	Thomas Golway	Plandome, NY (US)	1
4,352	Xiangyang Huo	Hangzhou, CN	1	4,397	Grandhi Gururaja	Bangalore Karnataka, IN	1
4,353	Yushen Ma	Hangzhou, CN	1	4,398	Sharath Gopinath	Bangalore Karnataka, IN	1
4,354	Tiantian Li	Hangzhou, CN	1	4,399	Geoffrey Tipton	Hong Kong, CN	1
4,355	Longlong He	Hangzhou, CN	1	4,400	Darren Wang Yip Lui	Hong Kong, CN	1
4,356	Mingli Wang	Hangzhou, CN	1	4,401	Ian Chung Yuen Huen	Hong Kong, CN	1
4,357	Tao Ding	Shanghai, CN	1	4,402	Rojan Jose	Apex, NC (US)	1
4,358	Jiangbin Dong	Xi'an, CN	1	4,403	Brian M Arthur	Salt Lake City, UT (US)	1
4,359	Chenggang Mu	Xi'an, CN	1	4,404	Akash U Dhoot	Pune, IN	1
4,360	Ming Qu	Xi'an, CN	1	4,405	Shailendra Moyal	Pune, IN	1
4,361	Ke'er Ning	Xi'an, CN	1	4,406	Joseph Korting	Reading, GB	1
4,362	Xiaobo Dong	Xi'an, CN	1	4,407	Karan K Navani	London, GB	1
4,363	Jie Qi	Xi'an, CN	1	4,408	Shinose Abdul Rahiman	Bengaluru, IN	1
4,364	Xiaomeng Zhang	Xi'an, CN	1	4,409	Chitrak Gupta	Bengaluru, IN	1
4,365	Yuankang He	Xi'an, CN	1	4,410	Pramod Verma	Herndon, VA (US)	1

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#	Name	Location	Patents	#	Name	Location	Patents
4,411	Philip Chidi Njemanze	Owerri, NG	1	4,456	Toru Osamura	Kanagawa, JP	1
4,412	Shuai Zhang	Shenzhen, CN	1	4,457	Kalapriya Kannan	Bengaluru, IN	1
4,413	Ayushi Jain	Madhya Pradesh, IN	1	4,458	Pranay Kumar Lohia	Bhagalpur, IN	1
4,414	Sidharth Goel	Pujab, IN	1	4,459	Samuel Hoffman	New York, NY (US)	1
4,415	Sowmya Tammana	Hyderabad, IN	1	4,460	Sameep Mehta	Bengaluru, IN	1
4,416	Manoj Kumar Pendyala	Hyderabad, IN	1	4,461	Mark A Roman	Arlington, MA (US)	1
4,417	Venkata Naga Manikanta Yakkala	Hyderabad, IN	1	4,462	Talmai Oliveira	Cambridge, MA (US)	1
4,418	Amit Thawait	Waxhaw, NC (US)	1	4,463	Shawn Amundson	Minneapolis, MN (US)	1
4,419	Timothy Nyota	Nairobi, KE	1	4,464	Robert Dale Beadles	Lodi, CA (US)	1
4,420	Isaac Waweru Wambugu	Nairobi, KE	1	4,465	Sneh Snehal Bhatt	Glendale, CA (US)	1
4,421	Johannes Maunz	Rebstein, CH	1	4,466	Sree Iyer	San Jose, CA (US)	1
4,422	Bernd Reimann	Heerbrugg, CH	1	4,467	Yuanzhi Wang	Anhui, CN	1
4,423	Mohan Venkataraman	Morrisville, NC (US)	1	4,468	Zizhen Shi	Anhui, CN	1
4,424	Sai Nidamarty	Morrisville, NC (US)	1	4,469	Xin Zheng	Anhui, CN	1
4,425	Shyam Charit Adivi	Morrisville, NC (US)	1	4,470	Zhong Huang	Anhui, CN	1
4,426	Alex Rosen	Morrisville, NC (US)	1	4,471	Juan Liu	Anhui, CN	1
4,427	Gary Storr	Morrisville, NC (US)	1	4,472	Zhouping Yin	Anhui, CN	1
4,428	Stephen John Rogers	Raleigh, NC (US)	1	4,473	Chenkan Shen	Hangzhou, CN	1
4,429	Derek Lamar Harrison	Chapel Hill, NC (US)	1	4,474	Chifei Zhang	Hangzhou, CN	1
4,430	Vishnu Praneeth Tadepalli	Cary, NC (US)	1	4,475	Fansheng Kong	Hangzhou, CN	1
4,431	Daniel J Schaefer	Raleigh, NC (US)	1	4,476	Robert Stanley Smith	Emeryville, CA (US)	1
4,432	Anis Koubaa	Riyadh, SA	1	4,477	Nicholas C Rubin	Berkeley, CA (US)	1
4,433	Azza Allouche	Riyadh, SA	1	4,478	Johannes Sebastian Otterbach	Oakland, CA (US)	1
4,434	Mohamed Khalgui	Riyadh, SA	1	4,479	Sultan Saadaldean Alsharif	Dhahran, SA	1
4,435	Omar Cheikhrouhou	Riyadh, SA	1	4,480	Wael Mohammed Alagi	Dhahran, SA	1
4,436	Kiran V Hegde	Seattle, WA (US)	1	4,481	Denis Avrilionis	Hesperange, LU	1
4,437	Xun Liang	Beijing, CN	1	4,482	Ada Nelly Pitocco	Saint Charles, IL (US)	1
4,438	Kongbo Li	Beijing, CN	1	4,483	Zachary Kenneth McLain	Olathe, KS (US)	1
4,439	Yang Xue	Beijing, CN	1	4,484	Hossein Kakavand	London, GB	1
4,440	James R Kraemer	Santa Fe, NM (US)	1	4,485	Samuel Wood	Los Altos Hills, CA (US)	1
4,441	Arpit Bhatt	Bengaluru, IN	1	4,486	Naoki Shibata	Kyoto, JP	1
4,442	Paul Kearney	London, GB	1	4,487	John P Conley	Brentwood, TN (US)	1
4,443	Bernt Erik Bjontegard	San Diego, CA (US)	1	4,488	Stephanie A So	Brentwood, TN (US)	1
4,444	James Cross	Beckenham, GB	1	4,489	Dhiraj Rattan	Gilbert, AZ (US)	1
4,445	Kegan Dougal	London, GB	1	4,490	Cory Moreira	Palm Harbor, FL (US)	1
4,446	Rob Lundie Hill	St. Albans, GB	1	4,491	Stefan Mueller	Singapore, SG	1
4,447	Daniel Lewington	London, GB	1	4,492	Matthew Thomas Peskett	Toronto, CA	1
4,448	Min Yi	Manassas, VA (US)	1	4,493	Josh Williams	San Francisco, CA (US)	1
4,449	Arthur Iinuma	Beverly Hills, CA (US)	1	4,494	Liang Cheng	Los Altos, CA (US)	1
4,450	Hwa-Shang Chang	Milpitas, CA (US)	1	4,495	Atul Patil	Indore, IN	1
4,451	Yue Li	Foster City, CA (US)	1	4,496	Austin Trombley	San Francisco, CA (US)	1
4,452	Theodore Harris	Foster City, CA (US)	1	4,497	Fung Tien Chay	Hong Kong, CN	1
4,453	Tatiana Korolevskaya	Foster City, CA (US)	1	4,498	Zackary Irani-Cohen	Newport Beach, CA (US)	1
4,454	Robert A Lincourt, Jr	Pawtucket, RI (US)	1	4,499	Várkuti Bálint	Munich, DE	1
4,455	Eric Zhiqiang Ma	Hong Kong, CN	1	4,500	Elena Yurievna Medvedeva	Tver, RU	1

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#	Name	Location	Patents	#	Name	Location	Patents
4,501	Maksim Aleksandrovich Pavlov	Tver, RU	1	4,546	Leonid Mokrushin	Uppsala, SE	1
4,502	Ilya Aleksandrovich Trofimov	Tver, RU	1	4,547	Konstantinos Vandikas	Solna, SE	1
4,503	Zachary Robert Coburn	Chicago, IL (US)	1	4,548	Youngjun Jo	Gyeonggi-do, KR	1
4,504	Luka Podlesnik	Celje, SI	1	4,549	Jinsong Wang	Tianjin, CN	1
4,505	Dong Pan	Hangzhou, CN	1	4,550	Hongwei Zhang	Tianjin, CN	1
4,506	Krishnaji Rao Amburey	Chennai, IN	1	4,551	Zening Zhao	Tianjin, CN	1
4,507	Leigh Williamson	Austin, TX (US)	1	4,552	Sheng Lin	Tianjin, CN	1
4,508	Christopher M Crane	Austin, TX (US)	1	4,553	Mauro Joseph Sanchirico	Marlton, NJ (US)	1
4,509	Andrew Douglas Nelson	Cambridge, MA (US)	1	4,554	Ryan Ceresani	Bordentown, NJ (US)	1
4,510	Parameswaran Selvam	Bengaluru, IN	1	4,555	Lingao Sun	Hangzhou, CN	1
4,511	Ric B Richardson	Coopers Shoot, AU	1	4,556	Ying Peng	Hangzhou, CN	1
4,512	Jae Hoon Oh	Seongnam-si, KR	1	4,557	Raja Ashok Bolla	Austin, TX (US)	1
4,513	Hyeok Choi	Seoul, KR	1	4,558	Keagan McClelland	Denver, CO (US)	1
4,514	Cory Matheson	Celina, TX (US)	1	4,559	Matthew Hill	Centennial, CO (US)	1
4,515	Andrew Knox	Brooklyn, NY (US)	1	4,560	Aiden McClelland	Denver, CO (US)	1
4,516	Alexander DiNunzio	Boston, MA (US)	1	4,561	Mark Cummings	Modesto, CA (US)	1
4,517	Jason Ciruolo	Boston, MA (US)	1	4,562	Shawn D Hennessy	Falmouth, ME (US)	1
4,518	Brian Weaver	Boston, MA (US)	1	4,563	Christ Pavlatos	Chicago, IL (US)	1
4,519	Brandon Groeger	Boston, MA (US)	1	4,564	Anirban Majumdar	Chicago, IL (US)	1
4,520	Peter Janacik	Cologne, DE	1	4,565	Sandeep Parvathareddy	Andhra Pradesh, IN	1
4,521	Kyle Barrett Thomas	Peachtree Corners, GA (US)	1	4,566	Tal Beno	Thornhill, CA	1
4,522	Eoin Connolly	Navan, IE	1	4,567	Yuly Basovich	Maple, CA	1
4,523	Stefan Schmidt	Bingen am Rhein, DE	1	4,568	Andrew Xia	Toronto, CA	1
4,524	Baolei Xu	Nanjing, CN	1	4,569	Yuzo Kano	Minato-ku, JP	1
4,525	Yuanyuan Zhang	Nanjing, CN	1	4,570	Christopher Parsons	Mansfield, MA (US)	1
4,526	Teng Shi	Nanjing, CN	1	4,571	Yawen Wei	Zhejiang, CN	1
4,527	Sungjin Park	Seongnam-si, KR	1	4,572	Peng Qiu	Zhejiang, CN	1
4,528	Atindra Nath Ghosh	Singapore, SG	1	4,573	Yin Dong	Zhejiang, CN	1
4,529	Kumar Saurabh	Bengaluru, IN	1	4,574	Yang Liu	Zhejiang, CN	1
4,530	Gururajan Sundaramurthy	Chennai, IN	1	4,575	Xiaobo Zhang	Zhejiang, CN	1
4,531	Susheel Gooly	Singapore, SG	1	4,576	Pei Xu	Zhejiang, CN	1
4,532	Ira L Allen	Coppell, TX (US)	1	4,577	Zhiwei Wang	Zhejiang, CN	1
4,533	Michael Jack Martine	Chapel Hill, NC (US)	1	4,578	Siyuan Pan	Beijing, CN	1
4,534	Stan Kevin Daley	Atlanta, GA (US)	1	4,579	Hongbin Mao	Beijing, CN	1
4,535	Mark Carter	Irvine, CA (US)	1	4,580	Hang Zhou	Beijing, CN	1
4,536	Sarah Diane Green	Durham, NC (US)	1	4,581	Manabu Hasegawa	Tokyo, JP	1
4,537	Kenneth Hurley	Menlo Park, CA (US)	1	4,582	Naoki Furuya	Tokyo, JP	1
4,538	Robert Ghanea-Hercock	London, GB	1	4,583	Tadayoshi Kosaka	Tokyo, JP	1
4,539	Rohit Pradeep Shetty	Bengaluru, IN	1	4,584	Yusuke Jin	Tokyo, JP	1
4,540	Pon Venkatesh M	Bengaluru, IN	1	4,585	Ben Binyi Wu	San Jose, CA (US)	1
4,541	Sheetal Deenadayalan	Bengaluru, IN	1	4,586	Lowell L Duke	Austin, TX (US)	1
4,542	Pushkal Maheshwari	Bengaluru, IN	1	4,587	Zehra Akbar	Leander, TX (US)	1
4,543	Ioannis Fikouras	Stockholm, SE	1	4,588	Jacob Tarnow	Los Gatos, CA (US)	1
4,544	Athanasios Karapantelakis	Solna, SE	1	4,589	Robert D Bedard	Allen Park, MI (US)	1
4,545	Qiang Li	Täby, SE	1	4,590	Willie Ham	Farmington Hills, MI (US)	1

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#	Name	Location	Patents	#	Name	Location	Patents
4,591	Michael Kruntovski	Beverly Hills, MI (US)	1	4,636	Shriram Venkatesh Shet Revankar	San Jose, CA (US)	1
4,592	Lauren Peng	Ann Arbor, MI (US)	1	4,637	Matthew M Farver	New York, NY (US)	1
4,593	David W Kaguma	Nairobi, KE	1	4,638	Steve Rainey	Vienna, VA (US)	1
4,594	John D Wilson	League City, TX (US)	1	4,639	Brad Brown	Los Angeles, CA (US)	1
4,595	Yin Xia	Beijing, CN	1	4,640	Mark Krietzman	Palos Verdes Estates, CA (US)	1
4,596	Jason Decuir	Cedar Park, TX (US)	1	4,641	Zehra N Sura	Yorktown Heights, NY (US)	1
4,597	Robert Gratz	Lockhart, TX (US)	1	4,642	Jibin George	Pune, IN	1
4,598	Killian Ross Tobin	Chicago, IL (US)	1	4,643	Salil Dhawan	Pune, IN	1
4,599	Viva Chu	Old Greenwich, CT (US)	1	4,644	Sandeep Goynar	Pune, IN	1
4,600	Tae Hyun Lim	Seoul, KR	1	4,645	Harsimran Jeet Singh	Pune, IN	1
4,601	Gregory Neven	Rueschlikon, CH	1	4,646	Carlos Gaston Besanson Tuma	Barcelona, ES	1
4,602	Ning Sun	Beijing, CN	1	4,647	Robert Gimeno Feu	Barcelona, ES	1
4,603	Bo Zhang	Beijing, CN	1	4,648	Jaime Rodriguez Lagunas	Barcelona, ES	1
4,604	Avinash Kumar	Bokaro, IN	1	4,649	Edmon Blount	Washington, DC (US)	1
4,605	Xin Ye	Hangzhou, CN	1	4,650	Kai Wah Yeung	Hong Kong, CN	1
4,606	Yanan Zhang	Hangzhou, CN	1	4,651	Markus Sauer	Munich, DE	1
4,607	Wenjie Wang	Hangzhou, CN	1	4,652	Brian Lai	Dublin, CA (US)	1
4,608	Daniel Ribeiro	San Francisco, CA (US)	1	4,653	Mohan Pindyala	San Francisco, CA (US)	1
4,609	Akib Islam	Dhubri, IN	1	4,654	Raviprakash Ramanujam	San Francisco, CA (US)	1
4,610	Amandeep Singh Johar	Uttar Pradesh, IN	1	4,655	Peizan Wang	San Francisco, CA (US)	1
4,611	Ankur Thareja	Alwar, IN	1	4,656	Jong Choul Yim	Daejeon, KR	1
4,612	Sachin Yashwant Pate	Mumbai, IN	1	4,657	Sun Me Kim	Daejeon, KR	1
4,613	Amihai Savir	Sansana, IL	1	4,658	Bei Chun Zhou	Beijing, CN	1
4,614	Anat Parush Tzur	Beer Sheva, IL	1	4,659	Adrian Kyte	Hursley, GB	1
4,615	Or Herman Saffar	Beer Sheva, IL	1	4,660	Joe Winchester	Hursley, GB	1
4,616	Avitan Gefen	Tel Aviv, IL	1	4,661	Jenny J He	Hursley, GB	1
4,617	Alon Shitrit	Beer Sheva, IL	1	4,662	Guan Jun Liu	Beijing, CN	1
4,618	Daniel Joseph Friedman	Sleepy Hollow, NY (US)	1	4,663	Prasanna Mulgaonkar	Saratoga, CA (US)	1
4,619	Nigel Hinds	Great Barrington, MA (US)	1	4,664	Seshashayee Murthy	Yorktown Heights, NY (US)	1
4,620	Arun Paidimarri	White Plains, NY (US)	1	4,665	Saranyaa T	TamilNadu, IN	1
4,621	James Thomas Rayfield	Ridgefield, CT (US)	1	4,666	Warren Gleich	Goffstown, NH (US)	1
4,622	Zhiyuan Li	Long Island City, NY (US)	1	4,667	Richard A Baker, Jr	West Newbury, MA (US)	1
4,623	Tsunekazu Saito	Musashino, JP	1	4,668	Jagjeet Gill	New York, NY (US)	1
4,624	Koutarou Suzuki	Musashino, JP	1	4,669	Gavin Nicol	Barrington, RI (US)	1
4,625	Kotaro Endo	Tokyo, JP	1	4,670	Jane E Cook	Mountain Lakes, NJ (US)	1
4,626	Yi Zheng	Los Gatos, CA (US)	1	4,671	Nat Grauman	Maplewood, NJ (US)	1
4,627	Ameya Sanzgiri	Fremont, CA (US)	1	4,672	Rosa W Tang	Glen Rock, NJ (US)	1
4,628	Umesh Bellur	Mumbai, IN	1	4,673	Aleksandr Vorobets	Fair Oaks, CA (US)	1
4,629	Nitin Awathare	Hinganghat, IN	1	4,674	Anton Petrushkin	Moscow, RU	1
4,630	Sourav Das	Dhekiajuli, IN	1	4,675	Markus Blohberger	Warngau, DE	1
4,631	Vinay Joseph Ribeiro	Delhi, IN	1	4,676	John Everett Creighton, IV	San Francisco, CA (US)	1
4,632	Qian Sun	Hangzhou, CN	1	4,677	Joseph Burke Forster	San Francisco, CA (US)	1
4,633	Lo-Yao Yeh	Taichung, TW	1	4,678	Frank R Libsch	White Plains, NY (US)	1
4,634	Peggy Joy Lu	Taichung, TW	1	4,679	Seiji Munetoh	Kawasaki, JP	1
4,635	Chia-Hsien Hung	Taichung, TW	1	4,680	Ghavam G Shahidi	Pound Ridge, NY (US)	1

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#	Name	Location	Patents	#	Name	Location	Patents
4,681	Enrique Martín López	Cambridge, GB	1	4,726	Anush Prabhu Ramachandran	Woodinville, WA (US)	1
4,682	Hidetomo Sohma	Kanagawa, JP	1	4,727	Raimundo Robledo Pontes Filho	Redmond, WA (US)	1
4,683	Cheolseung Kim	Seoul, KR	1	4,728	Rajeev Mandayam Vokkarne	Sammamish, WA (US)	1
4,684	Malcolm Postings	Danbury, CT (US)	1	4,729	Narasimha Kodihalli	Franklin Park, NJ (US)	1
4,685	Kevin T Saylor	Danbury, CT (US)	1	4,730	Christopher Scott Blackley	Redmond, WA (US)	1
4,686	Prabhjot Singh	Union City, CA (US)	1	4,731	David Allen Smith	Kirkland, WA (US)	1
4,687	Shivam Nayan Patel	San Francisco, CA (US)	1	4,732	Rhetick Sengupta	Seattle, WA (US)	1
4,688	David Kosecoff	San Francisco, CA (US)	1	4,733	Kevin C Young	Redmond, WA (US)	1
4,689	Silvio Micali	Brookline, MA (US)	1	4,734	Takeshi Miyamae	Kawasaki, JP	1
4,690	Prateek Mishra	Roseland, NJ (US)	1	4,735	Masahisa Tamura	Kawasaki, JP	1
4,691	Frank Villavicencio	Roseland, NJ (US)	1	4,736	David Lee Anthony Ramirez	Apopka, FL (US)	1
4,692	Merajuddin Mohammad	Parsippany, NJ (US)	1	4,737	Alfonso Miguel Morales	Oviedo, FL (US)	1
4,693	Brian Polcyn	Phoenix, AZ (US)	1	4,738	Jérôme Rastit	Marseilles, FR	1
4,694	Zackery Robison	Hornsby, AU	1	4,739	Chester Silvestri	Campbell, CA (US)	1
4,695	Muthian Sivathanu	Bengaluru, IN	1	4,740	Adam Silvestri	Campbell, CA (US)	1
4,696	Nishanth Chandran	Bengaluru, IN	1	4,741	Dongxu Li	Zhejiang, CN	1
4,697	Divya Gupta	Bengaluru, IN	1	4,742	Wei Chen	Zhejiang, CN	1
4,698	Apurv Mehra	Bengaluru, IN	1	4,743	Dhananjay Singh	Allahabad-Prayagraj, IN	1
4,699	Satyanarayana V Lokam	Bengaluru, IN	1	4,744	Bharat S Rawalkshatriya	Erie, PA (US)	1
4,700	Sambhav Satija	Bengaluru, IN	1	4,745	Adam Meghji	Toronto, CA	1
4,701	Sudheesh Singanamalla	Bengaluru, IN	1	4,746	Andrew Scott Goodson	Charlotte, NC (US)	1
4,702	Qi Zheng	Beijing, CN	1	4,747	Youpeng Xie	Hangzhou, CN	1
4,703	Jin Zhang	Beijing, CN	1	4,748	Guannan Kou	Hangzhou, CN	1
4,704	Ju Ling Liu	Beijing, CN	1	4,749	Wenxiang Jin	Hangzhou, CN	1
4,705	Nan Chen	Beijing, CN	1	4,750	Rungui Ye	Hangzhou, CN	1
4,706	Li Bo Zhang	Beijing, CN	1	4,751	Lingtao Kong	Hangzhou, CN	1
4,707	Nidhi Sharma	Pune, IN	1	4,752	Liman Hou	Hangzhou, CN	1
4,708	Sreekesh Sreelal	Pune, IN	1	4,753	Yifan Chen	Hangzhou, CN	1
4,709	Sumit K Jha	Pune, IN	1	4,754	Lei Zhang	Hangzhou, CN	1
4,710	Pushpendra Singh Kharsan	Pune, IN	1	4,755	Han Xiao	Hangzhou, CN	1
4,711	Kelley Cahill	Huntington Beach, CA (US)	1	4,756	Donghui Wang	Beijing, CN	1
4,712	Walter Accessor	Little Elm, TX (US)	1	4,757	Hongpei Li	Beijing, CN	1
4,713	Ryan Wheeler	Denton, TX (US)	1	4,758	Bingyang Liu	Beijing, CN	1
4,714	Anil R Nair	Plano, TX (US)	1	4,759	Zhichao Du	Shenzhen, CN	1
4,715	Senthilkumar Gopal Kalaimani	Frisco, TX (US)	1	4,760	Julie MacNaught	Durham, CT (US)	1
4,716	Neil Dutta	Addison, TX (US)	1	4,761	Ryan Enderby	New York, NY (US)	1
4,717	Senthil Thiagrajan	Westborough, MA (US)	1	4,762	Jennifer M Hinkel	Incline Village, NV (US)	1
4,718	Sudhir Vijendra	Westborough, MA (US)	1	4,763	Arka Ray	Los Angeles, CA (US)	1
4,719	Shoumeng Yan	Zhejiang, CN	1	4,764	Sang Mi Ryu	Incheon, KR	1
4,720	Zongmin Gu	Zhejiang, CN	1	4,765	Athula Alwis	Belle Meade, NJ (US)	1
4,721	Jun Zhu	Shanghai, CN	1	4,766	Jeffrey Campbell	Butler, PA (US)	1
4,722	Raj Jain	St. Louis, MO (US)	1	4,767	William Spence	Pittsburgh, PA (US)	1
4,723	Tara Thaer Salman	St. Louis, MO (US)	1	4,768	Meherzad F Aga	Longmont, CO (US)	1
4,724	Balendran Mugundan	Redmond, WA (US)	1	4,769	Syed Y Abbas	Longmont, CO (US)	1
4,725	Affan Arshad Dar	Redmond, WA (US)	1	4,770	Huijie Zhang	Ontario, CA	1

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#	Name	Location	Patents	#	Name	Location	Patents
4,771	Rifaat Shekh-Yusef	Ottawa, CA	1	4,816	Vinod Anbalagan	Kanchipuram District, IN	1
4,772	Mehdi Tassoumt	Edinburgh, GB	1	4,817	Madhav Vaidyanath	Chennai, IN	1
4,773	Wayne Haber	Alpharetta, GA (US)	1	4,818	Thilagaraj Kannaiyan	Chennai, IN	1
4,774	Avi Ben-David	Savyon, IL	1	4,819	Peng Sun	Guangzhou, CN	1
4,775	Vladislav Amirov	Ashdod, IL	1	4,820	Yifei Zhou	Guangzhou, CN	1
4,776	Ori Erez	Sderot, IL	1	4,821	Zhi Ying	Shanghai, CN	1
4,777	Yoav Pinkas	Ganei Tikva, IL	1	4,822	Perry Robinson MacNeille	Lathrup Village, MI (US)	1
4,778	Yeon Hyang Kim	Karnataka, IN	1	4,823	John Michael Galan Ferrer	Carson, CA (US)	1
4,779	Hanno Weber	Kirchheim/Teck, DE	1	4,824	Taylor Hawley	Dearborn, MI (US)	1
4,780	Zhihui Zhu	Hangzhou, CN	1	4,825	Joseph Wisniewski	Royal Oak, MI (US)	1
4,781	Shan Yu	Hangzhou, CN	1	4,826	Fling Finn Tseng	Ann Arbor, MI (US)	1
4,782	Vipul Gupta	Noida, IN	1	4,827	Gregory R Hintermeister	Rochester, MN (US)	1
4,783	Ankur Agrawal	Noida, IN	1	4,828	Michael A Kaczmarski	Tucson, AZ (US)	1
4,784	Rahul Agrawal	Noida, IN	1	4,829	Thomas K Clark	Tucson, AZ (US)	1
4,785	Prashant Sharma	Noida, IN	1	4,830	Prashant Bhatwadekar	Pune, IN	1
4,786	Kalgesh Singh	Noida, IN	1	4,831	Yung-Cheng Huang	New Taipei, TW	1
4,787	Saurabh Kumar	Noida, IN	1	4,832	Jiewu Leng	Guangzhou, CN	1
4,788	Anil Kumar Saini	Noida, IN	1	4,833	Alan Zhou	Guangzhou, CN	1
4,789	Ankur Dua	Haryana, IN	1	4,834	Qiang Liu	Guangzhou, CN	1
4,790	Thomas Rizos	Austin, TX (US)	1	4,835	Guolei Ruan	Guangzhou, CN	1
4,791	Winnie Chau	Hong Kong, CN	1	4,836	Shide Ye	Guangzhou, CN	1
4,792	John Philip Mulligan	Hong Kong, CN	1	4,837	Jianbo Jing	Guangzhou, CN	1
4,793	Shashi Gowda	Hong Kong, CN	1	4,838	Hu Zhang	Guangzhou, CN	1
4,794	Cal Wilson Webster	St. Petersburg, FL (US)	1	4,839	James B Snyder	Minneapolis, MN (US)	1
4,795	Joshua Miller	St. Petersburg, FL (US)	1	4,840	Justin M Johnson	Hudson, WI (US)	1
4,796	Nikhat Parveen	Uttar Pradesh, IN	1	4,841	James W Howard	Circle Pines, MN (US)	1
4,797	Wen Zhu	McLean, VA (US)	1	4,842	Paul James Lillibridge	Belton, TX (US)	1
4,798	Shabbir M Dahod	Andover, MA (US)	1	4,843	Tamas Visegrady	Zurich, CH	1
4,799	Robert Sturim	Wenham, MA (US)	1	4,844	Banavathi Venkata Subra Girish	Bengaluru, IN	1
4,800	Vivek Madhu Sudan Badri Narayan	Boston, MA (US)	1	4,845	Saritha Arunkumar	Hursley, GB	1
4,801	Lucia Deus	Reading, MA (US)	1	4,846	Xiuying Dai	Hangzhou, CN	1
4,802	Igor Barbashin	Vancouver, CA	1	4,847	Michelle Zhou	Aldie, VA (US)	1
4,803	Raymond R Lee	Los Angeles, CA (US)	1	4,848	Ying Wang	Herndon, VA (US)	1
4,804	Cole A Mason	Los Angeles, CA (US)	1	4,849	Wen-De T Chang	Chantilly, VA (US)	1
4,805	Josiah Johnson Umezurike	Columbia, SC (US)	1	4,850	Satya P Yandra	Ashburn, VA (US)	1
4,806	Todd Loren Lash	Oakland, CA (US)	1	4,851	Erfaun Noorani	Fairless Hills, PA (US)	1
4,807	Shangru Wu	Shenzhen, CN	1	4,852	Ho Yun Kyung	Seoul, KR	1
4,808	Haihua Zhang	Beijing, CN	1	4,853	Jaikrishnan Hari	Horamavu, IN	1
4,809	Xingxia Zhang	Hong Kong, CN	1	4,854	Teja Chiranjeevi Tummalapalli	Morrisville, NC (US)	1
4,810	Ruoqing Zhang	Hong Kong, CN	1	4,855	Mari M Wade	Cary, NC (US)	1
4,811	Sujaya Rao	Bengaluru, IN	1	4,856	Atallah Hezbor	Durham, NC (US)	1
4,812	Vinayakumar Kasimsetty	Phoenix, AZ (US)	1	4,857	Ramachander Raja	Scotch Plains, NJ (US)	1
4,813	Kamesh Palani	Bangalore KA, IN	1	4,858	Garry Lyons	Dublin, IE	1
4,814	Timothy Hearn	Scottsdale, AZ (US)	1	4,859	Yi-Hui Ma	Cumberland, PA (US)	1
4,815	Varshini Ramiya Vasudevan	Chennai, IN	1	4,860	Henry Gleizer	New York, NY (US)	1

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#	Name	Location	Patents	#	Name	Location	Patents
4,861	Shi Shu	Hangzhou, CN	1	4,906	Duy Vu Minh Nguyen	Ho Chi Minh, VN	1
4,862	Yasuhiro Umemoto	Kyoto, JP	1	4,907	Qigang Wang	Beijing, CN	1
4,863	Subrao Venugopal Shenoy	San Jose, CA (US)	1	4,908	Xiaobing Guo	Beijing, CN	1
4,864	Saahil Shenoy	San Jose, CA (US)	1	4,909	Zhongchao Shi	Beijing, CN	1
4,865	Sanyuan He	Zhejiang, CN	1	4,910	Zeyu Ning	Beijing, CN	1
4,866	Anchika Agarwal	Singapore, SG	1	4,911	Seth Ethington	McKinney, TX (US)	1
4,867	Pushpinder Singh	Tamil Nadu, IN	1	4,912	Benjamin D Ethington	Savannah, TX (US)	1
4,868	Sangmi Kim	Seongnam-si, KR	1	4,913	Jonathan F Cholak	San Antonio, TX (US)	1
4,869	Harihar Pai	Bengaluru, IN	1	4,914	Dominique Godefroy	Princeton, NJ (US)	1
4,870	Kavitha Alagesan	Bengaluru, IN	1	4,915	Arun Moothedath	Hillsborough, NJ (US)	1
4,871	Nagendra Reddy Devireddy	Bengaluru, IN	1	4,916	Bhomik Pande	Lucknow, IN	1
4,872	Haiyang Ding	Shenzhen, CN	1	4,917	Steven Garcia	South Riding, VA (US)	1
4,873	Dexin Su	Hangzhou, CN	1	4,918	Vaibhav Vohra	San Ramon, CA (US)	1
4,874	Silei Cheng	Beijing, CN	1	4,919	Rohit Tripathi	San Ramon, CA (US)	1
4,875	Xiaohe Liu	Beijing, CN	1	4,920	Fernando Nakano	Reston, VA (US)	1
4,876	Haris Palapra	Bengaluru, IN	1	4,921	Rahul Lamba	Uttar Pradesh, IN	1
4,877	Zhen Zeng	Shenzhen, CN	1	4,922	Alireza Salimi	Reston, VA (US)	1
4,878	Jiguang Lu	Shenzhen, CN	1	4,923	Benjamin Glen McCarty	Washington, DC (US)	1
4,879	Vincenzo Sciancalepore	Heidelberg, DE	1	4,924	Christopher Paul Siefken	Charlotte, NC (US)	1
4,880	Lanfranco Zanzi	Heidelberg, DE	1	4,925	Mahesh Kommareddi	Charlotte, NC (US)	1
4,881	Antonio Albanese	Heidelberg, DE	1	4,926	Brian Keith Jackson	Waxhaw, NC (US)	1
4,882	Xavier Costa Perez	Heidelberg, DE	1	4,927	Ying Kiat Jonathan Declan Tan	Singapore, SG	1
4,883	Zhi Guo Deng	Beijing, CN	1	4,928	Hyunsuk Han	San Ramon, CA (US)	1
4,884	Qi Li	Beijing, CN	1	4,929	Jayakrishnan Nair	San Ramon, CA (US)	1
4,885	Huan Wu	Beijing, CN	1	4,930	Amitkumar Tank	Union City, CA (US)	1
4,886	Shun Xian Wu	Beijing, CN	1	4,931	Srinivas Ambikapathi	Fremont, CA (US)	1
4,887	Xiao Ling Chen	Beijing, CN	1	4,932	Masao Sakai	Sendai, JP	1
4,888	Qing Yu Pei	Beijing, CN	1	4,933	Junya Iwazaki	Sendai, JP	1
4,889	Hardik Wadhwa	Bengaluru, IN	1	4,934	Eisuke Koizumi	Sendai, JP	1
4,890	Puneet Vashisht	Haryana, IN	1	4,935	Shingo Hasegawa	Sendai, JP	1
4,891	Meenakshi Sundaram P	Walldorf, DE	1	4,936	Shuji Isobe	Sendai, JP	1
4,892	David Benayoun	Parkland, FL (US)	1	4,937	Masayuki Fukumitsu	Ebetsu, JP	1
4,893	Leon Turetsky	Bedminster, NJ (US)	1	4,938	Darin Myman	New Brunswick, NJ (US)	1
4,894	Jonathan Pekar	La Jolla, CA (US)	1	4,939	Christopher Spanton	Seattle, WA (US)	1
4,895	Felix Pekar	Clarksburg, NJ (US)	1	4,940	Dileban Karunamoorthy	Carlton, AU	1
4,896	Eric Pekar	Clarksburg, NJ (US)	1	4,941	Mark C Grandau	Verona, WI (US)	1
4,897	Mary Benayoun	Parkland, FL (US)	1	4,942	Jianping Wang	San Diego, CA (US)	1
4,898	Kwantae Cho	Daejeon, KR	1	4,943	Soleh Udin Al Ayubi	Newton, MA (US)	1
4,899	Robert J Kapinos	Durham, NC (US)	1	4,944	Rick A Hamilton	Charlottesville, VA (US)	1
4,900	Robert Norton	Raleigh, NC (US)	1	4,945	Michael N Jacobs	Jordan, MN (US)	1
4,901	Russell Speight VanBlon	Raleigh, NC (US)	1	4,946	Simon-Pierre Marion	Brossard, CA	1
4,902	Scott W Li	Cary, NC (US)	1	4,947	George Dyche, Jr	Mason, OH (US)	1
4,903	Eugene Aseev	Moscow Region, RU	1	4,948	Julie Vargas	San Antonio, TX (US)	1
4,904	Michael Chadwick	Chandler, AZ (US)	1	4,949	Donghyeok Lee	Jeju-si, KR	1
4,905	Francis Tuan Anh Nguyen	Ho Chi Minh, VN	1	4,950	Namje Park	Jeju-si, KR	1

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#	Name	Location	Patents	#	Name	Location	Patents
4,951	In Kyung Kim	Jeju-si, KR	1	4,996	Angela Ung	Bonbeach, AU	1
4,952	Wenbo Yang	Hangzhou, CN	1	4,997	Fagner Lordello	Potts Point, AU	1
4,953	Paul Zawierka	New York, NY (US)	1	4,998	Cassidy Jacob Mountjoy	Solana Beach, CA (US)	1
4,954	Lama Chakra	Apex, NC (US)	1	4,999	Tarun Chitra	Brooklyn, NY (US)	1
4,955	Latrell D Freeman	Holly Springs, NC (US)	1	5,000	Rei Chiang	San Francisco, CA (US)	1
4,956	Dilip Krishnaswamy	Bengaluru, IN	1	5,001	Sudeep Choudhari	Pune, IN	1
4,957	Agasthya P Narendranathan	San Ramon, CA (US)	1	5,002	Pvs Chanakya Yadav	Pune, IN	1
4,958	James M Dzierzanowski	Tempe, AZ (US)	1	5,003	Prem Manoj Mehta	Pune, IN	1
4,959	Mingliang Yin	Zhejiang, CN	1	5,004	Aditi Yaduvanshi	Pune, IN	1
4,960	Ryo Furukawa	Tokyo, JP	1	5,005	Shreshtha Mitra	Pune, IN	1
4,961	Shin Saito	Sagamihara, JP	1	5,006	William Su	Riverside, CA (US)	1
4,962	Sang Jun Kang	Seoul, KR	1	5,007	Jia Zhang	Irvine, CA (US)	1
4,963	Martin Holland	Hannover, DE	1	5,008	Isaac Markus Serfaty	Miami, FL (US)	1
4,964	Nobert Lotter	Rimbach, DE	1	5,009	Wenming Kuai	Great Falls, VA (US)	1
4,965	Sebastian Söhner	Karlsruhe, DE	1	5,010	Joshua Solomon Rappaport	Rockville, MD (US)	1
4,966	Steven Teel	Lutz, FL (US)	1	5,011	Fuzhen Li	Great Falls, VA (US)	1
4,967	Michael Felker	Lutz, FL (US)	1	5,012	Karl Wuest	Zurich, CH	1
4,968	Laurent-Frederic Ducreux	Grenoble, FR	1	5,013	Moritz Schneider	Zurich, CH	1
4,969	Matthieu Volat	Grenoble, FR	1	5,014	Kari Kostiainen	Zurich, CH	1
4,970	Mingshu Lin	Hangzhou, CN	1	5,015	Haris Pasic	Biot, FR	1
4,971	Yu Ma	Zhejiang, CN	1	5,016	Joelle Adler	Marina Del Rey, CA (US)	1
4,972	Michael Sungjun Kim	Fairfax, VA (US)	1	5,017	Jose Rosas	Santiago, CL	1
4,973	Jung Hee Cheon	Seoul, KR	1	5,018	Yusuke Hoshizuki	Tokyo, JP	1
4,974	Dongwoo Kim	Seoul, KR	1	5,019	Komalpreet Kaur	Delhi, IN	1
4,975	Michael Wallace Gray	Guanaba, AU	1	5,020	Vipul Mehrotra	Uttar Pradesh, IN	1
4,976	James Evans	Lutwyche, AU	1	5,021	Mustafa Rafique	Dublin, IE	1
4,977	Jurgen Schouppe	Vlaams Brabant, BE	1	5,022	Kevin Reilly	Poughkeepsie, NY (US)	1
4,978	Yu Lin Zhai	Beijing, CN	1	5,023	Yiming Wu	Shenzhen, CN	1
4,979	Si Heng Sun	Xian, CN	1	5,024	Qingshan Gu	Shenzhen, CN	1
4,980	Xiao Lu Wang	Beijing, CN	1	5,025	Daniel J Dubeau	Bothell, WA (US)	1
4,981	Yue Zhang	Beijing, CN	1	5,026	Ann Charlot Hunaes Harvey	Iron Station, NC (US)	1
4,982	Aleksey Sergeevich Smirnov	Reutov, RU	1	5,027	Shweta Jain	New York, NY (US)	1
4,983	Duncan Carl Cock Foster	New York, NY (US)	1	5,028	Kelsey L Bruso	Eagan, MN (US)	1
4,984	Griffin Cock Foster	New York, NY (US)	1	5,029	Kevin Flanders	Eagan, MN (US)	1
4,985	Natalie Keogh	Concord, CA (US)	1	5,030	Lik Mui	Hayward, CA (US)	1
4,986	Loren Heiman	San Anselmo, CA (US)	1	5,031	Shravanthi Denthumdas	Frisco, TX (US)	1
4,987	Daniel Swislow	San Francisco, CA (US)	1	5,032	Yifan Chen	Ann Arbor, MI (US)	1
4,988	Alfred F Boschulte	Kissimee, FL (US)	1	5,033	James Fishelson	Ypsilanti, MI (US)	1
4,989	Victor Schnee	Mendham, NJ (US)	1	5,034	Frank Albrecht	Walldorf, DE	1
4,990	Howard Cannon	Boston, MA (US)	1	5,035	Igor Muttik	Aylesbury, GB	1
4,991	Thomas Forest Farb	Wakefield, MA (US)	1	5,036	Paul Dohyung Kim	Miami, FL (US)	1
4,992	John David Rich	Vaucluse, AU	1	5,037	Atsushi Shimamura	Sunnyvale, CA (US)	1
4,993	Cameron Bale	Saint-Lambert, CA	1	5,038	Steffen Kux	Mittweida, DE	1
4,994	Andrew Maizels	Hornsby, AU	1	5,039	Jean Paul Ruiz Depraz	Mittweida, DE	1
4,995	Andrew Horn	Seven Hills, AU	1	5,040	Faraz Babar	Paradise Valley, AZ (US)	1

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#	Name	Location	Patents	#	Name	Location	Patents
5,041	Aimee Cardwell	Plymouth, MA (US)	1	5,086	Gad Yitzhak Weissman	Hod Hasharon, IL	1
5,042	Ashish Kumar	Bengaluru, IN	1	5,087	Liron Shtraichman	Petah Tikva, IL	1
5,043	Lavanya Venkatanarayanan	Phoenix, AZ (US)	1	5,088	Shenbin Zhang	Beijing, CN	1
5,044	Todd Dietz	North Wales, PA (US)	1	5,089	Bingfeng Pi	Beijing, CN	1
5,045	Jared Grove	Ardmore, PA (US)	1	5,090	Jun Sun	Beijing, CN	1
5,046	Evangeline Castaneda	West Chester, PA (US)	1	5,091	Daisuke Kaji	Kariya, JP	1
5,047	Brandon Conley	Wynnewood, PA (US)	1	5,092	Yohei Ooka	Kariya, JP	1
5,048	Jianliang Xu	Hong Kong, CN	1	5,093	Edmund Korres	Munich, DE	1
5,049	Ce Zhang	Changchun, CN	1	5,094	Peter Rohrauer	Hoerlkofen, DE	1
5,050	Cheng Xu	Wuhan, CN	1	5,095	Thomas Wagner	Haar, DE	1
5,051	Min Namgoong	Seongnam-si, KR	1	5,096	Oliver Wick	Hohenkammer, DE	1
5,052	Hyeonin Jeong	Seongnam-si, KR	1	5,097	Sebastian Zimmermann	Munich, DE	1
5,053	Xun Sun	Shanghai, CN	1	5,098	Alaa S Youssef	Valhalla, NY (US)	1
5,054	Jianmin Xue	Shanghai, CN	1	5,099	Giovanni Pacifici	New York, NY (US)	1
5,055	Gregsie Leighton	Buford, GA (US)	1	5,100	Dimitrios Pendarakis	Westport, CT (US)	1
5,056	Julius Bernotas	Vilnius, LT	1	5,101	Hyman Chantz	Scarsdale, NY (US)	1
5,057	Vaidotas Simaitis	Kaunas, LT	1	5,102	Benjamin Weiss	Chicago, IL (US)	1
5,058	Victor Cacciari Miraldo	Utrecht, NL	1	5,103	Anjun Jin	Lafayette, CA (US)	1
5,059	Harold Carr	Sandy, UT (US)	1	5,104	Zhihao Li	Ningbo, CN	1
5,060	Maurice P Herlihy	Burlington, MA (US)	1	5,105	Shiqin Zeng	Hangzhou, CN	1
5,061	Alex Kogan	Burlington, MA (US)	1	5,106	Alan O'Herlihy	Glenville, IE	1
5,062	Mark Sean Moir	Wellington, NZ	1	5,107	Joe Allen	Ballybunion, IE	1
5,063	Guanyi Sun	Beijing, CN	1	5,108	Dan Pescaru	Timisoara, RO	1
5,064	Bin Xie	Beijing, CN	1	5,109	Alexandru Arion	Timisoara, RO	1
5,065	Guo Ma	Beijing, CN	1	5,110	Escolástico Sanchez Martinez	Madrid, ES	1
5,066	Jingzhan Zhang	Framingham, MA (US)	1	5,111	Ruben Chavarri Elduayen	Madrid, ES	1
5,067	Todd Russell Whitman	Bethany, CT (US)	1	5,112	Timothy Eller	Millbrae, CA (US)	1
5,068	Johannes Jaco Liebenberg	Sandton, ZA	1	5,113	Patrick De La Garza	Sunnyvale, CA (US)	1
5,069	Guillaume Hoareau	Batiment, FR	1	5,114	Daniel Klein	Mountain View, CA (US)	1
5,070	Qin Li	Shanghai, CN	1	5,115	George Kellerman	Sunnyvale, CA (US)	1
5,071	Jian Hua Zhang	Beijing, CN	1	5,116	Steven Eliscu	Foster City, CA (US)	1
5,072	Zhi Jun Wang	Beijing, CN	1	5,117	Danny Yang	Santa Clara, CA (US)	1
5,073	Xiao Guang Song	Beijing, CN	1	5,118	Rakesh Ramachandran	Kerala, IN	1
5,074	Wu Gen Zhan	Beijing, CN	1	5,119	Rajiv Chandran	Jharkand, IN	1
5,075	Yong Wu	Beijing, CN	1	5,120	Brennan Bennett	Park City, UT (US)	1
5,076	Rafael Pass	Sunnyvale, CA (US)	1	5,121	Emily S Lerner	McKinney, TX (US)	1
5,077	Yue Guo	Sunnyvale, CA (US)	1	5,122	Seok Woo Lee	Seoul, KR	1
5,078	Eric Mathew Bell	Emeryville, CA (US)	1	5,123	Duk Soo Kim	Seoul, KR	1
5,079	Raj Gaurav Srivastava	Uttar Pradesh, IN	1	5,124	Sang Gyoo Sim	Seoul, KR	1
5,080	Mohammed Saif Husain	West Bengal, IN	1	5,125	Min Woo Nam	Seoul, KR	1
5,081	Bertrand F Cambou	Flagstaff, AZ (US)	1	5,126	Kwon Koo Kwak	Seoul, KR	1
5,082	Jia Li	Shenzhen, CN	1	5,127	Jae Yeon Yoon	Seoul, KR	1
5,083	Huanxin Liu	Shenzhen, CN	1	5,128	Manoneet Kohli	O'Fallon, MO (US)	1
5,084	Nathanael Phillip Coonrod	Gilbert, AZ (US)	1	5,129	Rick Unnerstall	O'Fallon, MO (US)	1
5,085	Ofer Hermoni	Plano, TX (US)	1	5,130	Lakshmi Sushma Daggubati	O'Fallon, MO (US)	1

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#	Name	Location	Patents	#	Name	Location	Patents
5,131	Sri Chaitanya Sanaboina	O'Fallon, MO (US)	1	5,176	Richard Benson	Pompano Beach, FL (US)	1
5,132	Saurabh Pujar	White Plains, NY (US)	1	5,177	Clayton Leo Henry	Deale, MD (US)	1
5,133	Edward A Epstein	Putnam Valley, NY (US)	1	5,178	Jae Seok Lee	Seoul, KR	1
5,134	Louis Degenaro	White Plains, NY (US)	1	5,179	Hyo Jung Lee	Seoul, KR	1
5,135	Burn Lewis	Ossining, NY (US)	1	5,180	Myoung Soo Choi	Goyang-si, KR	1
5,136	David Jevans	Menlo Park, CA (US)	1	5,181	Daniel del Hoyo Rodriguez	Madrid, ES	1
5,137	Andrea Miele	Hillsboro, OR (US)	1	5,182	Shawn Jafari Tabrizi	Redmond, WA (US)	1
5,138	Diep Thi Ngoc Nguyen	Hanoi, VN	1	5,183	Xinmin Wang	Hangzhou, CN	1
5,139	Siddhartha Dutta	Peoria, AZ (US)	1	5,184	Feng Qian	Hangzhou, CN	1
5,140	Jerry Davis	Bournemouth, GB	1	5,185	Qianting Guo	Hangzhou, CN	1
5,141	Shravan Kumar Parunandula	Andhra Pradesh, IN	1	5,186	Ananth Natarajan	Houston, TX (US)	1
5,142	Pranav Vishwas Deshpande	Maharashtra, IN	1	5,187	Neelakant R Patel	Bengaluru, IN	1
5,143	Krishna Kumar Ramadas	Bournemouth, GB	1	5,188	Mark Braunstein	Atlanta, GA (US)	1
5,144	Uche Ojukwu	London, GB	1	5,189	Wenyu Yang	Beijing, CN	1
5,145	Frank Van Hoof	Ringwood, GB	1	5,190	Chunmeng Gao	Beijing, CN	1
5,146	Brian Stankiewicz	Saint Paul, MN (US)	1	5,191	Jiaping Wang	Redmond, WA (US)	1
5,147	Nicholas Brian Stankiewicz	Saint Paul, MN (US)	1	5,192	Rafael Nat Josef Pass	Sunnyvale, CA (US)	1
5,148	Iddo Bentov	Ithaca, NY (US)	1	5,193	Tsz Hong Hubert Chan	Sunnyvale, CA (US)	1
5,149	Philip Daian	New York, NY (US)	1	5,194	Chang-Zen Tsai	Taipei, TW	1
5,150	Lorenz Breidenbach	Zurich, CH	1	5,195	Chia-Hao Lo	New Taipei, TW	1
5,151	Dafeng Xu	Hangzhou, CN	1	5,196	Darren Lawless	Aurora, CO (US)	1
5,152	Oleksiy Lyubynskyy	San Francisco, CA (US)	1	5,197	Thomas Bouve	Koolkerke, BE	1
5,153	Jaeyong Park	Hwaseong-si, KR	1	5,198	Joseph B Ries	Bellevue, IA (US)	1
5,154	Ashwin Roongta	East Brunswick, NJ (US)	1	5,199	Jennifer L Szkatulski	Rochester, MI (US)	1
5,155	Sayan Banerjee	Morganville, NJ (US)	1	5,200	Thien Van Pham	Lacey, WA (US)	1
5,156	Jingwen Nan	Beijing, CN	1	5,201	FaizalSheriff Kalifullah Sheriff	Irvine, CA (US)	1
5,157	Wei Bai	Beijing, CN	1	5,202	Malolan Chetlur	Bengaluru, IN	1
5,158	Hongsup So	Seongnam-si, KR	1	5,203	Oliver Kroneisen	Frankfurt, DE	1
5,159	Hong Kyu Lee	Seongnam-si, KR	1	5,204	Georg Koester	Berlin, DE	1
5,160	Jeehong Lee	Seongnam-si, KR	1	5,205	Michael Wehrstein	Potsdam, DE	1
5,161	Chul-soon Choi	Seongnam-si, KR	1	5,206	Anjia Yang	Guangdong, CN	1
5,162	Eunho Chang	Seongnam-si, KR	1	5,207	Tirunell V Lakshman	Morganville, NJ (US)	1
5,163	Hojin Jang	Seongnam-si, KR	1	5,208	Meredith Altenhofen	Denver, CO (US)	1
5,164	Martin C Sinclair	Fareham, GB	1	5,209	Jason Blackhurst	San Francisco, CA (US)	1
5,165	James McCulloch	Fareham, GB	1	5,210	Stephen Cardot	Burnsville, MN (US)	1
5,166	Stephen Pipes	Fareham, GB	1	5,211	Prasad Bhosale	Albany, NY (US)	1
5,167	Luke Owens	San Mateo, CA (US)	1	5,212	Nicholas A Lanzillo	Troy, NY (US)	1
5,168	Theodore C Tanner	San Mateo, CA (US)	1	5,213	Michael Rizzolo	Albany, NY (US)	1
5,169	Bryan Smith	San Mateo, CA (US)	1	5,214	Chih-Chao Yang	Glenmont, NY (US)	1
5,170	Benoit Razet	San Mateo, CA (US)	1	5,215	Naohisa Nishida	Osaka, JP	1
5,171	Craig Amazeen	Scottsdale, AZ (US)	1	5,216	Joseph Gregory Delong	San Antonio, TX (US)	1
5,172	Youngjun Jo	Seongnam-si, KR	1	5,217	Jonathan Huntington Rhea	North Richland Hills, TX (US)	1
5,173	Soumya R	Bengaluru, IN	1	5,218	Rajeev Garg	Frisco, TX (US)	1
5,174	Manjusha Nair	Bengaluru, IN	1	5,219	Adam Edgar	McKinney, TX (US)	1
5,175	Jeff Stollman	Wayne, PA (US)	1	5,220	Sarah L Green	Richardson, TX (US)	1

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#	Name	Location	Patents	#	Name	Location	Patents
5,221	Roderic Paulk	Wylie, TX (US)	1	5,266	Shyam Bharat Khatau	Chicago, IL (US)	1
5,222	Sheldon Kent Meredith	Roswell, GA (US)	1	5,267	Parvez Hakim	Ilford, GB	1
5,223	Ying Yan	Beijing, CN	1	5,268	Paul Park	Gyeonggi-do, KR	1
5,224	Yang Chen	Beijing, CN	1	5,269	Meenakshi Shandilya	Madhya Pradash, IN	1
5,225	Eric Chang	Beijing, CN	1	5,270	Hsun Chao	West Lafayette, IN (US)	1
5,226	Jinglei Ren	Beijing, CN	1	5,271	Apoorv Maheshwari	West Lafayette, IN (US)	1
5,227	Liang Chen	Beijing, CN	1	5,272	Daniel DeLaurentis	West Lafayette, IN (US)	1
5,228	Yanjie Gao	Beijing, CN	1	5,273	Antoine Bouchard	Calgary, CA	1
5,229	Joseph Ligman	Wilton, CT (US)	1	5,274	Jonathan B King	Forest Grove, OR (US)	1
5,230	Venkat K Balagurusamy	Suffern, NY (US)	1	5,275	Sridhar Ranganathan	Bengaluru, IN	1
5,231	Mingliang Wang	Hangzhou, CN	1	5,276	Liam R Harpur	Skerries, IE	1
5,232	Fehmina Merchant	Irvine, CA (US)	1	5,277	Chris Kau	Mountain View, CA (US)	1
5,233	Leucir Marin, Jr	Austin, TX (US)	1	5,278	John Rice	Tramore, IE	1
5,234	Simon Borst	Maplewood, NJ (US)	1	5,279	Andrew Baine	Washington, DC (US)	1
5,235	Xueqiang Ma	Sunnyvale, CA (US)	1	5,280	Alexander I Semenyuk	Brooklyn, NY (US)	1
5,236	Kamil Rafal Gancarz	Zgierz, PL	1	5,281	Brian Gapinski	Brooklyn, NY (US)	1
5,237	Hsien-Chun Chiu	Taoyuan, TW	1	5,282	Tommy Arngren	Södra Sunderby, SE	1
5,238	I-Hui Lu	Taoyuan, TW	1	5,283	Johan Kristiansson	Luleå, SE	1
5,239	Cheng-Chang Tsai	Taoyuan, TW	1	5,284	Debojyoti Das	Kolkata, IN	1
5,240	Ting-Hung Chu	Taoyuan, TW	1	5,285	Deepa Dubey	Mumbai, IN	1
5,241	Chun-Hao Lin	Taoyuan, TW	1	5,286	Jitan Chandanani	Mumbai, IN	1
5,242	Han-Kuan Yu	Taoyuan, TW	1	5,287	Dipayan Ghosh	Mumbai, IN	1
5,243	Chang-Yi Lee	Taoyuan, TW	1	5,288	Steven Layne Canepa	Agoura Hills, CA (US)	1
5,244	Jesus Diaz Vico	Thalwil, CH	1	5,289	Shantanu Sinha	Kolkata, IN	1
5,245	Louie Gasparini	San Mateo, CA (US)	1	5,290	Diptiman Dasgupta	Kolkata, IN	1
5,246	Thomas Zakrzewski	Mahwah, NJ (US)	1	5,291	Chi Wang	Redmond, WA (US)	1
5,247	Marcus Isaac Daley	New York, NY (US)	1	5,292	Edet Edet Nkposong	Mercer Island, WA (US)	1
5,248	Tetsuo Inoue	Tokyo, JP	1	5,293	Shubham Gupta	Jaipur, IN	1
5,249	Casey C Krueger	Issaquah, WA (US)	1	5,294	Xin Peng Liu	Beijing, CN	1
5,250	George L Small	Williamsville, NY (US)	1	5,295	Ying Chun Guo	Beijing, CN	1
5,251	James F van Oss	Buffalo, NY (US)	1	5,296	Jian Nan Guo	Beijing, CN	1
5,252	James A Regenor	Orchard Park, NY (US)	1	5,297	Elizabeth Ondula	Nairobi, KE	1
5,253	Paul K Guerrier	Orchard Park, NY (US)	1	5,298	Alexander Bessonov	San Jose, CA (US)	1
5,254	George Baggs	Hamburg, NY (US)	1	5,299	Patrick Tague	Mountain View, CA (US)	1
5,255	Jason C Jones	East Aurora, NY (US)	1	5,300	Mark Shwartzman	Campbell, CA (US)	1
5,256	Naghmana Majed	Dallas, TX (US)	1	5,301	Stephen Winston	San Jose, CA (US)	1
5,257	Jenny S Li	Cary, NC (US)	1	5,302	Vadim Gore	Beaverton, OR (US)	1
5,258	Elezaveta Koumpan	Ontario, CA	1	5,303	Enrique Martin Lopez	Cambridge, GB	1
5,259	Gopal Indurkhya	Charlotte, NC (US)	1	5,304	Hongwei Li	Cambridge, GB	1
5,260	Zhe Li	Guangzhou, CN	1	5,305	Maysa Malfiza Garcia de Macedo	Sao Paulo, BR	1
5,261	Michael Maneval	Schopfheim, DE	1	5,306	Marcia Ito	Sao Paulo, BR	1
5,262	Michael Mayer	Oberwil, CH	1	5,307	Dorothy Jean Bolt	San Antonio, TX (US)	1
5,263	Ingomar Sotriffer	Gundelfingen, DE	1	5,308	Fanding Yang	Hangzhou, CN	1
5,264	Shachi Sharma	New Delhi, IN	1	5,309	George Michael Weiksner	Riverside, CT (US)	1
5,265	James C Canterbury	Hillsborough, NJ (US)	1	5,310	George Bolden Weiksner	Riverside, CT (US)	1

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#	Name	Location	Patents	#	Name	Location	Patents
5,311	Timothy Ryan Tello	Trail Manor, TX (US)	1	5,356	Nethaji Tummuru	Sunnyvale, CA (US)	1
5,312	Michael Randolph Corey	New York, NY (US)	1	5,357	Surbhi Sheth-Shah	Los Altos, CA (US)	1
5,313	Daniel K Chapsky	Brooklyn, NY (US)	1	5,358	Michael Kunzmann	Palo Alto, CA (US)	1
5,314	Erik Taubeneck	Brooklyn, NY (US)	1	5,359	Sanjay Shirole	Palo Alto, CA (US)	1
5,315	Ionela-Roxana Danila	New York, NY (US)	1	5,360	Jun Meng	Menlo Park, CA (US)	1
5,316	Yu-Yu Lin	Redwood City, CA (US)	1	5,361	Roland Kavali	Odintzovo, RU	1
5,317	Paayal Vora	Seattle, WA (US)	1	5,362	Madoka Sakaitani	Tokyo, JP	1
5,318	Raj Shekhar Shukla	Seattle, WA (US)	1	5,363	Kenichi Mogi	Tokyo, JP	1
5,319	Scott Mehlman	Merrick, NY (US)	1	5,364	Matthew D Wood	Hillsboro, OR (US)	1
5,320	Michael Zimits	Massapequa Park, NY (US)	1	5,365	Shyam Kumar Doddavula	Bengaluru, IN	1
5,321	Lisa Marks-Canty	Middlesex, NJ (US)	1	5,366	Brijesh Balakrishnan	Mangalore, IN	1
5,322	Alexander Sheung Lai Wong	Waterloo, CA	1	5,367	Adrian Papacica	Carmel, CA (US)	1
5,323	Ramy Abdelmageed Ebrahim Khalil	Zug, CH	1	5,368	Todd Weston Arnold	Charlotte, NC (US)	1
5,324	Arthur Gervais	Zug, CH	1	5,369	Barry Michael Graham	Silver Spring, MD (US)	1
5,325	Ambrose Kam	Westampton, NJ (US)	1	5,370	Shenbaga Shankar	Pearland, TX (US)	1
5,326	Hiren Patel	Mount Laurel, NJ (US)	1	5,371	Alexandra Urman	New York, NY (US)	1
5,327	Alexander Richard Vesey	Patton, PA (US)	1	5,372	Kevin Ross	Lehi, UT (US)	1
5,328	Emi K Olsson	Poughkeepsie, NY (US)	1	5,373	Muhammad Ahsan Naim	South Jordan, UT (US)	1
5,329	Ziyuan Luo	Hangzhou, CN	1	5,374	Mark Cuddihy	New Boston, MI (US)	1
5,330	Viktor Nordstrom	Barcelona, ES	1	5,375	Srinivasan Sundararajan	Ann Arbor, MI (US)	1
5,331	Victor Muñoz Sola	Cassa de la Selva, ES	1	5,376	Doug Thornburg	Dearborn, MI (US)	1
5,332	Jose Luis De La Rosa I Esteva	Girona, ES	1	5,377	Oleg Andreev	Alameda, CA (US)	1
5,333	Jae Min Kim	Suwon-si, KR	1	5,378	Adam Reese Ludwin	San Francisco, CA (US)	1
5,334	Jae Won Lee	Seongnam-si, KR	1	5,379	Devon Gundry	Oakland, CA (US)	1
5,335	Hong Wei Sun	Beijing, CN	1	5,380	Ryan Robert Smith	San Francisco, CA (US)	1
5,336	Yan Rong Shen	Beijing, CN	1	5,381	Keith Allen Rarick	San Francisco, CA (US)	1
5,337	Xi Xue Jia	Beijing, CN	1	5,382	Minghao Xi	Shenzhen, CN	1
5,338	Shuai Wang	Beijing, CN	1	5,383	Saravanan Sadacharam	Chennai, IN	1
5,339	Bin Jia	Hursley, GB	1	5,384	Mark Daniel Jackson	Fort Collins, CO (US)	1
5,340	Yoonsun Kye	Gyeonggi-do, KR	1	5,385	Jagadeesh Chandra Bose R P	Karnataka, IN	1
5,341	Sin Seok Kim	Gyeonggi-do, KR	1	5,386	Vibhu Saujanya Sharma	Bengaluru, IN	1
5,342	Wonkeun Lee	Gyeonggi-do, KR	1	5,387	Edward Lee	Costa Mesa, CA (US)	1
5,343	Suhyeon Jeong	Gyeonggi-do, KR	1	5,388	Theodore Valkov Valkov	The Dalles, OR (US)	1
5,344	SungMyun Song	Sejong-si, KR	1	5,389	Marc H Coq	Poughkeepsie, NY (US)	1
5,345	SangZee Lee	Daejeon-si, KR	1	5,390	Colette Manoni	Brewster, NY (US)	1
5,346	JinHa Park	Daejeon-si, KR	1	5,391	Collin Walling	Poughkeepsie, NY (US)	1
5,347	Thomas J Waters	St. Petersburg, FL (US)	1	5,392	Corey McQuay	Poughkeepsie, NY (US)	1
5,348	Richard H Waters	Knoxville, TN (US)	1	5,393	Eugene E Nitka	Poughkeepsie, NY (US)	1
5,349	Robert N Barrett	St. Petersburg, FL (US)	1	5,394	Trent Balta	Poughkeepsie, NY (US)	1
5,350	Sai Koti Reddy Danda	Narasaraopet, IN	1	5,395	Jagoda Kuzma	Cracow, PL	1
5,351	Priyanka Agrawal	Bengaluru, IN	1	5,396	Bartlomiej T Malecki	Slomniki, PL	1
5,352	Srikanth Govindaraj Tamilselvam	Bengaluru, IN	1	5,397	Piotr Padkowski	Lodz, PL	1
5,353	Amrita Saha	Bengaluru, IN	1	5,398	Marek Peszt	Cracow, PL	1
5,354	Carlo Innocenti	Burlington, MA (US)	1	5,399	Piotr J Walczak	Cracow, PL	1
5,355	Jong Hyeon Kim	Seoul, KR	1	5,400	Ricardo Golcher Ugalde	San Jose, CR	1

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#	Name	Location	Patents	#	Name	Location	Patents
5,401	Carlos Gustavo Alfaro Briceno	Heredia, CR	1	5,446	Prasoon Kumar Sinha	Bengaluru, IN	1
5,402	Jun Zhu	Yangpu District, CN	1	5,447	Kevin Tobin	Avon, CT (US)	1
5,403	Flavio du Pin Calmon	Cambridge, MA (US)	1	5,448	Weining Tan	Mississauga, CA	1
5,404	Michele M Franceschini	White Plains, NY (US)	1	5,449	Andrew Conn	San Carlos, CA (US)	1
5,405	Sambit Sahu	Hopewell Junction, NY (US)	1	5,450	Ching-Tung Hsu	Miaoli County, TW	1
5,406	Anuj Khanna Sohum	Singapore, SG	1	5,451	Chun-Wei Shih	Miaoli County, TW	1
5,407	Charles Yong Jien Foong	Singapore, SG	1	5,452	Kuang-Che Lee	Miaoli County, TW	1
5,408	Kulpreet Singh	New Delhi, IN	1	5,453	Chia-Hung Li	Miaoli County, TW	1
5,409	Ayush Aggarwal	Gurgaon, IN	1	5,454	Chien-Yao Huang	Miaoli County, TW	1
5,410	Anurag Singh	Gurgaon, IN	1	5,455	Chun-Hsien Tsai	Miaoli County, TW	1
5,411	Paulo Henrique Almeida Cavoto	Campinas, BR	1	5,456	Ting-Chuan Lee	Miaoli County, TW	1
5,412	Argemiro Jose de Lima	São Paulo, BR	1	5,457	Chun-Jung Tsai	Miaoli County, TW	1
5,413	Alan Braz	Yorktown Heights, NY (US)	1	5,458	Shubhangi Sengar	Jabalpur, IN	1
5,414	Heloisa Caroline De Souza Pereira Candello	São Paulo, BR	1	5,459	Matthew Green	Canberra, AU	1
5,415	Fabrizio Nascimento Caldas	Sumaré, BR	1	5,460	Jieqian Zheng	Hangzhou, CN	1
5,416	Daniel Ivan Beard	Tustin, CA (US)	1	5,461	Hans Ahlbäck	Åbo, FI	1
5,417	Ramanathan Jagadeesan	Saratoga, CA (US)	1	5,462	Harri Hakala	Turku, FI	1
5,418	Mark Staples	Acton, AU	1	5,463	Mikael Jaatinen	Raisio, FI	1
5,419	Paul Rimba	Acton, AU	1	5,464	Leena Marjatta Mattila	Turku, FI	1
5,420	John Manganilla	Torrance, CA (US)	1	5,465	Kevin B Stanton	Hillsboro, OR (US)	1
5,421	Gowrishankar Subramaniam Natarajan	Torrance, CA (US)	1	5,466	Tyler Levine	San Jose, CA (US)	1
5,422	Virgil L Archer, III	Los Angeles, CA (US)	1	5,467	Christopher Metz	Danville, CA (US)	1
5,423	Mohammed A Qaudeer	Tampa, FL (US)	1	5,468	Zhaoxing Li	Shenyang, CN	1
5,424	Abdul Raheem	Irving, TX (US)	1	5,469	Rohan Dhesikan	San Jose, CA (US)	1
5,425	Jason Trask	Jenks, OK (US)	1	5,470	David D Ward	Los Gatos, CA (US)	1
5,426	Jagannath K Rangarajan	Irving, TX (US)	1	5,471	Amandeep Singh	Dallas, TX (US)	1
5,427	Charles G Wasserott	Owasso, OK (US)	1	5,472	Jacques Cresp	Saint Jeannet, FR	1
5,428	Ahmed A Khan	Plano, TX (US)	1	5,473	Fabrice Livigni	Nice Meridia, FR	1
5,429	Rasmi Samal Ranjan	Hyderabad, IN	1	5,474	Vaibhav Jain	Boston, MA (US)	1
5,430	Dawood A Syed	Tampa, FL (US)	1	5,475	Luca Marchi	New York, NY (US)	1
5,431	Cesar Augusto Rodriguez Bravo	Alajuela, CR	1	5,476	Håkan Englund	Lund, SE	1
5,432	John R Feezell	Pikeville, TN (US)	1	5,477	Christoffer Jerkeby	Tyresö, SE	1
5,433	Naquib Hatami	Fairfax, VA (US)	1	5,478	Bernard Smeets	Dalby, SE	1
5,434	Zalmai Azmi	Centreville, VA (US)	1	5,479	Lonnie Jason Carter	Kingwood, TX (US)	1
5,435	Oliver Latka	Munich, DE	1	5,480	Cris Jay Gwin	Riverview, FL (US)	1
5,436	Anja Wilbert	Munich, DE	1	5,481	Theresa Kruse Leahy	Matthews, NC (US)	1
5,437	Georg Kreimer	Munich, DE	1	5,482	Piotr Czaban	London, GB	1
5,438	Denise Wildner	Munich, DE	1	5,483	Sviatoslav Nikolskii	Moscow, RU	1
5,439	Jose Enrique Gonzalez Modecir	Munich, DE	1	5,484	Kenneth Kappler	London, GB	1
5,440	Sima Nadler	Kochav Yair, IL	1	5,485	Nicolas Gotchac	Berlin, DE	1
5,441	Sharon Keidar Barner	Haifa, IL	1	5,486	Lars Johnson	Brooklyn, NY (US)	1
5,442	Lucas Davi	Essen, DE	1	5,487	Hans Fischmann	Wellesley, MA (US)	1
5,443	Dan M Mirica	Chestnut Hill, MA (US)	1	5,488	Cristina Serban	Middletown, NJ (US)	1
5,444	Yu Zhang	Shenzhen, CN	1	5,489	Jennifer Morovitz	Ballwin, MO (US)	1
5,445	Danli Xie	Shenzhen, CN	1	5,490	Stephen Chasko	Marietta, GA (US)	1

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#	Name	Location	Patents	#	Name	Location	Patents
5,491	Michael Demeter	Alpharetta, GA (US)	1	5,536	Carl R Larsen	West Palm Beach, FL (US)	1
5,492	Won Sig Kang	Seoul, KR	1	5,537	Ming-Che Chang	Taoyuan, TW	1
5,493	Chang Seop Park	Seongnam-si, KR	1	5,538	Pin-Jung Chiang	Taoyuan, TW	1
5,494	Jorg Ruckriemen	Berlin, DE	1	5,539	Keh-Hwa Shyu	Taoyuan, TW	1
5,495	Jens Ehreke	Berlin, DE	1	5,540	Ryan G DeJana	Longmont, CO (US)	1
5,496	Andrew Lee Watts	Seattle, WA (US)	1	5,541	Dan Liu	Hangzhou, CN	1
5,497	Fraser M Smith	Salt Lake City, UT (US)	1	5,542	Shankar Ramanathan	Richardson, TX (US)	1
5,498	Fei Chen	Beijing, CN	1	5,543	Jerome Henry	Pittsboro, NC (US)	1
5,499	Junguo Gao	Hangzhou, CN	1	5,544	Brian James Snitzer	Lancaster, PA (US)	1
5,500	Timofey Mochalov	Kaluga, RU	1	5,545	David Dwayne Weck	Santa Rosa Beach, FL (US)	1
5,501	Michael Thompson	Miami, FL (US)	1	5,546	Ann Corrao	Raleigh, NC (US)	1
5,502	Suat Mercan	Miami, FL (US)	1	5,547	Michael James Hudson	Boca Raton, FL (US)	1
5,503	Mumin Cebe	Miami, FL (US)	1	5,548	Predrag Maksimovic	Boca Raton, FL (US)	1
5,504	Kemal Akkaya	Miami, FL (US)	1	5,549	Vladimir Peric	Boca Raton, FL (US)	1
5,505	Arif Selcuk Uluagac	Miami, FL (US)	1	5,550	Subrata Mitra	Bengaluru, IN	1
5,506	Toshiyuki Uehara	Tokyo, JP	1	5,551	Vishal Babu Bhavani	Mumbai, IN	1
5,507	Ken Tajima	Tokyo, JP	1	5,552	Sunav Choudhary	Bengaluru, IN	1
5,508	Jesus Gabriel Trillo Vargas	Guadalajara, MX	1	5,553	Kishalay Raj	New Delhi, IN	1
5,509	Arturo Adrian Reynoso Ibarra	Guadalajara, MX	1	5,554	Ayush Chauhan	Meerut, IN	1
5,510	David Rodriguez Torres	Guadalajara, MX	1	5,555	Bruce Jaynes	Mt. Vernon, OH (US)	1
5,511	Oscar Martinez Huezo	Guadalajara, MX	1	5,556	Brigid Mcdermott	New York, NY (US)	1
5,512	Qiaozi Chai	Beijing, CN	1	5,557	Jun Zuo	Hangzhou, CN	1
5,513	Wei Zhang	Beijing, CN	1	5,558	Michele Martino Franceshini	Croton on Hudson, NY (US)	1
5,514	Yanzhao Yang	Beijing, CN	1	5,559	Ravi V Khadiwala	Bartlett, IL (US)	1
5,515	Lili Long	Beijing, CN	1	5,560	Dragan Grebovich	Amesbury, MA (US)	1
5,516	Alexander Ocher	San Jose, CA (US)	1	5,561	Chong Li	Weehawken, NJ (US)	1
5,517	Viktor Lapitski	Mountain View, CA (US)	1	5,562	Sichao Yang	Basking Ridge, NJ (US)	1
5,518	Andrey Belyy	Sunnyvale, CA (US)	1	5,563	Lei Zhang	West New York, NJ (US)	1
5,519	Limin Zhang	Shanghai, CN	1	5,564	Peter L Fuhr	Oak Ridge, TN (US)	1
5,520	Jinzhi Hua	Shanghai, CN	1	5,565	Marissa E Morales-Rodriguez	Oak Ridge, TN (US)	1
5,521	Sishuang Wan	Shanghai, CN	1	5,566	Sterling S Rooke	Crofton, MD (US)	1
5,522	Weiqi Yu	Shanghai, CN	1	5,567	Yanpeng Lin	Hangzhou, CN	1
5,523	Xu Le	Shanghai, CN	1	5,568	Tatsuya Sato	Tokyo, JP	1
5,524	Marcin Wojciech Dudar	Hong Kong, CN	1	5,569	Nikhil Chandrakant Khedkar	Thane, IN	1
5,525	Peter On Bon Chan	Hong Kong, CN	1	5,570	Neville Dubash	Mumbai, IN	1
5,526	Frederick Kwok Yin Leung	Hong Kong, CN	1	5,571	Prashant Sahadev Sawant	Mumbai, IN	1
5,527	Yongsheng Yang	Hangzhou, CN	1	5,572	Thomas Joseph Dean	Mountain View, CA (US)	1
5,528	Yingjie Li	Hangzhou, CN	1	5,573	Olivier Bernin	Blackrock, IE	1
5,529	Wensheng Dou	Hangzhou, CN	1	5,574	Kavin Aravind	Milpitas, CA (US)	1
5,530	Xinyu Huang	Hangzhou, CN	1	5,575	Vinayak Agrawal	Mountain View, CA (US)	1
5,531	Gautam Gupta	Fremont, CA (US)	1	5,576	Jeong Hee Yoon	Seoul, KR	1
5,532	Ernesto Digiambattista	Lynnfield, MA (US)	1	5,577	Jayachandra Varma	Irving, TX (US)	1
5,533	Andrei Bezdedeanu	Westwood, MA (US)	1	5,578	Da Wei Zhu	Shenzhen, CN	1
5,534	Michael D Kail	Los Gatos, CA (US)	1	5,579	Bin Hua Liu	Shenzhen, CN	1
5,535	Dhanya Therese Jose	Stavanger, NO	1	5,580	Prabal Banerjee	Kolkata, IN	1

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#	Name	Location	Patents
5,581	Shreya Chakraborty	Bengaluru, IN	1
5,582	Katsumi Nagata	Foster City, CA (US)	1
5,583	Divya Sai Toopran	Sunnyvale, CA (US)	1
5,584	Yicheng Zhang	Guangdong, CN	1
5,585	Yanwei Zhang	Guangdong, CN	1
5,586	Xing He	Guangdong, CN	1
5,587	Wei Peng	Guangdong, CN	1
5,588	Xing Zhao	Shanghai, CN	1
5,589	Hong Liu	Shanghai, CN	1
5,590	Qing Zhang	Shanghai, CN	1
5,591	Xuemin Wang	Shanghai, CN	1
5,592	Rajnish Prasad	Bengaluru, IN	1
5,593	Michael Thomas Malarkey	Waxhaw, NC (US)	1
5,594	John Brian Costello	Long Beach, CA (US)	1
5,595	Brian Diederich	Simi Valley, CA (US)	1
5,596	Mike A Holmberg	Boise, ID (US)	1
5,597	Nataraj Kumar Gobbak	Boise, ID (US)	1
5,598	Gokul Bhargava Kandiraju	Briancilff Manor, NY (US)	1
5,599	Haithem El Abed	Nozay, FR	1
5,600	Bessem Sayadi	Nozay, FR	1
5,601	Young-Way Liu	New Taipei, TW	1
5,602	Kevin L Schultz	Raleigh, NC (US)	1
5,603	Darryl Adderly	Cary, NC (US)	1
5,604	Rosanna Mannan	San Jose, CA (US)	1
5,605	Kevin K Moshir	Scottsdale, AZ (US)	1
5,606	Sean Moshir	Scottsdale, AZ (US)	1
5,607	Stuart Browne	Scottsdale, AZ (US)	1
5,608	Robert D Slater	Murphy, TX (US)	1
5,609	Felipe G Salles	Garland, TX (US)	1
5,610	Shih-An Chen	Hsinchu, TW	1
5,611	Wen-Kuei Lai	Hsinchu, TW	1
5,612	Adam Back	San Francisco, CA (US)	1
5,613	Pieter Wuille	Mountain View, CA (US)	1
5,614	Mark Friedenbach	San Jose, CA (US)	1
5,615	Anna Vladi	Glen Rock, NJ (US)	1
5,616	Raghavendra Kidiyoor Bhagavatha	San Jose, CA (US)	1
5,617	Christopher Andrew McCoy	San Francisco, CA (US)	1
5,618	Rick Tipton	Corryton, TN (US)	1
5,619	Mark D Austin	Allen, TX (US)	1
5,620	Muralidharan Kodialam	Holmdel, NJ (US)	1
5,621	Tirunellai V Lakshman	Holmdel, NJ (US)	1
5,622	Tal Muskal	Saratoga, CA (US)	1
5,623	Jason Swope	Aurora, CO (US)	1
5,624	Robert Thorman	Rockwall, TX (US)	1
5,625	Shams Khan	Wesley Chapel, FL (US)	1
5,626	Alejandro Brito	Mountain View, CA (US)	1
5,627	Min Kang Song	Seoul, KR	1
5,628	Seung Jun Ko	Seoul, KR	1
5,629	Akash Madan Mishra	Mumbra, IN	1
5,630	Rahul Jain	Kolkata, IN	1
5,631	Markus Schmidt-Karaca	Heidelberg, DE	1
5,632	Ali Kashmar	Ottawa, CA	1
5,633	Ahmed Osama	Cairo, EG	1
5,634	Prasanna S Patil	Scarsdale, NY (US)	1
5,635	Tarek ElBeih	Cairo, EG	1
5,636	Mohamed Yasser	Cairo, EG	1
5,637	Jin Kocsis	Aurora, OH (US)	1
5,638	Yifu Wu	Akron, OH (US)	1
5,639	Gihan Janith Mendis Imbulgoda Liyangahawatte	Akron, OH (US)	1
5,640	Girish Banavathi Venkata Subba	Bengaluru, IN	1
5,641	Satoshi Imai	Kawasaki, JP	1
5,642	Toru Katagiri	Kawasaki, JP	1
5,643	Motoyoshi Sekiya	Chigasakl, JP	1
5,644	Nitin Singla	Bengaluru, IN	1
5,645	Yashavantha Nagaraju	Bengaluru, IN	1
5,646	Peter Julian Reyes Flor	O'Fallon, MO (US)	1
5,647	Christopher Williams	Wallingford, PA (US)	1
5,648	Joseph A Fiscella	Hoboken, NJ (US)	1
5,649	Anita M Williams Galiano	Pennington, NJ (US)	1
5,650	In Gi Kim	Gwangju, KR	1
5,651	Takahide Nogayama	Yokohama, JP	1
5,652	Toshihiro Takahashi	Tokyo, JP	1
5,653	George Avetisov	Rego Park, NY (US)	1
5,654	Donnell A Davis	Bowie, MD (US)	1
5,655	Thomas V Brock	Carrollton, TX (US)	1
5,656	Randall A Stark	Euless, TX (US)	1
5,657	Susan J Christian	Grapevine, TX (US)	1
5,658	Mohamed Grissa	Corvallis, OR (US)	1
5,659	Joni Rapanen	Vantaa, FI	1
5,660	Abhishek Pitti	Attapur, IN	1
5,661	Young Kwon Kim	Seoul, KR	1
5,662	Se Hyung Kim	Seoul, KR	1
5,663	Young Ju Kim	Seoul, KR	1
5,664	Jeff Donald Drake	Louisville, KY (US)	1
5,665	Kevin S Lee	Milpitas, CA (US)	1
5,666	Corydon A Hinton	Oakland, CA (US)	1
5,667	Alexandra Elena Constantin	San Jose, CA (US)	1
5,668	Anup Kalia	Yorktown Heights, NY (US)	1
5,669	Valentina Salapura	Yorktown Heights, NY (US)	1
5,670	Mathew S Thoennes	Port Chester, NY (US)	1

INVENTORS

#	Name	Location	Patents
5,671	Muthanna Ahmed Aziz	Al Ain, AE	1
5,672	Waleed Khalil Ahmed	Al Ain, AE	1
5,673	Michael Kureth	Burbank, CA (US)	1
5,674	Anthony N Fonk	Austin, TX (US)	1
5,675	Aldric Lee	Plano, TX (US)	1
5,676	Pushkar Yashavant Deole	Pune, IN	1
5,677	Zachary Lynde	Austin, TX (US)	1
5,678	Jagadeesh Chandra Bose Rantham Prabhakara	Chittoor, IN	1
5,679	Scott M Saltsgaver	Apex, NC (US)	1
5,680	Santosh Ramrao Patil	Santa Clara, CA (US)	1
5,681	Christian Hellwig	Rott, DE	1
5,682	Kilian Becher	Dresden, DE	1
5,683	Axel Schroepfer	Borthen, DE	1
5,684	Yei Sung Kim	Princeton Junction, NJ (US)	1
5,685	Tricia Assar Agrawal	Houston, TX (US)	1
5,686	Ahson Syed Hasnain	Allen, TX (US)	1
5,687	Matthew Joseph Widdowson	Houston, TX (US)	1
5,688	Ricardo Padilha	Florianópolis, BR	1
5,689	Rodney George Harrison	London, GB	1
5,690	Terence Rokop	Aloha, OR (US)	1
5,691	Michael J Edwards	Hillsborough, CA (US)	1
5,692	Hector Hoyos	Ridgefield, CT (US)	1
5,693	Miriam Berhane Russom	Bellevue, WA (US)	1
5,694	Eustace Ngwa Asanghanwa	Kirkland, WA (US)	1
5,695	Pawan R Chowdhary	San Jose, CA (US)	1
5,696	Shun Jiang	San Jose, CA (US)	1
5,697	Guangjie Ren	Belmont, CA (US)	1
5,698	Chung-hao Tan	San Jose, CA (US)	1
5,699	Sephi Joseph Shapira	Ramot Hasavim, IL	1
5,700	Cho-Hsuan Lee	Taipei, TW	1
5,701	Markus Kilian	Merzhausen, DE	1
5,702	Allen Gluck	Spring Valley, NY (US)	1
5,703	Jai Hoon Kim	Seongnam-si, KR	1
5,704	Kwang Hoon Choi	Suwon-si, KR	1
5,705	Dae Han Kim	Suwon-si, KR	1
5,706	Feng Li	Beijing, CN	1
5,707	Yunpeng Wang	Beijing, CN	1
5,708	Zhiyuan Yu	Beijing, CN	1
5,709	Wenchao Wang	Beijing, CN	1
5,710	Shihui Zhou	Beijing, CN	1
5,711	Xianghui Zhao	Beijing, CN	1
5,712	Volkan Sevindik	Reston, VA (US)	1
5,713	James Borzilleri	Sandy, UT (US)	1
5,714	Carlos Garcia Perez	Murray, UT (US)	1
5,715	David Nelson	Riverton, UT (US)	1
5,716	Guangwu Guo	Shenzhen, CN	1
5,717	Kun Xiao	Shenzhen, CN	1
5,718	David Hufker	Shawnee, KS (US)	1
5,719	Michael David Svoren, Jr	Overland Park, KS (US)	1
5,720	Sreejith Gireesan	Edison, NJ (US)	1
5,721	Balasubramanian K Pethayapera	Edison, NJ (US)	1
5,722	Bimal Mankara Balan	Ernakulam, IN	1
5,723	Insoo Suk	Seoul, KR	1
5,724	Rob Balfour	Toronto, CA	1
5,725	Greg Bandler	Toronto, CA	1
5,726	Stephane Chopart	Les Pennes Mirabeau, FR	1
5,727	Yu Zhang	Guangdong, CN	1
5,728	Yuxiang Huang	Guangdong, CN	1
5,729	Benjamin L Weintraub	Sunnyvale, CA (US)	1
5,730	Young Wn Kwun	Seoul, KR	1
5,731	Hao Lei	Hangzhou, CN	1
5,732	Zhangjie Huang	Hangzhou, CN	1
5,733	Roxana Monge Nunez	Perez Zeledon, CR	1
5,734	Sheyla V Vargas	Hatillo, CR	1
5,735	Heung Sik Chae	Seoul, KR	1
5,736	Mun Seok Yang	Seoul, KR	1
5,737	William Daryl Cammack	Frisco, TX (US)	1
5,738	Christopher D Burchett	Lewisville, TX (US)	1
5,739	David Konetski	Austin, TX (US)	1
5,740	John D Kutzko	Pagosa Springs, CO (US)	1
5,741	Wayne C A Wright	Linton Maidstone KENT, GB	1
5,742	Reuben Robert Thomson-Wood	London, GB	1
5,743	Nicola Melis	London, GB	1
5,744	Maria Rosa Del Rio Llorente	London, GB	1
5,745	Lidong Zhou	Bellevue, WA (US)	1
5,746	Michael Lowell Roberts	Seattle, WA (US)	1
5,747	Clinton Taylor	Barrington, NH (US)	1
5,748	Nick Armstrong	Sydney, AU	1
5,749	Ben Buckingham	Sydney, AU	1
5,750	Daniel Friedman	Sydney, AU	1
5,751	Elliot Shepherd	Sydney, AU	1
5,752	Eric Knight	Sydney, AU	1
5,753	William Fox	Palm Harbor, FL (US)	1
5,754	Gang Huang	Beijing, CN	1
5,755	Xuanzhe Liu	Beijing, CN	1
5,756	Huaqian Cai	Beijing, CN	1
5,757	Lingxuan Hu	Beijing, CN	1
5,758	Hai'ou Jiang	Beijing, CN	1
5,759	Haizhen Zhou	Hangzhou, CN	1
5,760	Michael Mossoba	Arlington, VA (US)	1

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#	Name	Location	Patents	#	Name	Location	Patents
5,761	Jianjun Zhang	Hangzhou, CN	1	5,806	Tushar Gupta	Bengaluru, IN	1
5,762	Anand Menon	Lone Tree, CO (US)	1	5,807	Vijay Rayapati	Bengaluru, IN	1
5,763	Eric Beans	Orlando, FL (US)	1	5,808	Yuvaraj Loganathan	Bengaluru, IN	1
5,764	Adolph Miller Allen	Oakland, CA (US)	1	5,809	Mussie Haile	Fairfax, VA (US)	1
5,765	Paul Kiely	Santa Cruz, CA (US)	1	5,810	Filippo Federici Canova	Espoo, FI	1
5,766	Noufal Kappachali	Santa Clara, CA (US)	1	5,811	David Z Gao	Carmel, CA (US)	1
5,767	David M Enyeart	Raleigh, NC (US)	1	5,812	Robert Smith	Huntington Beach, CA (US)	1
5,768	Guy Scott	Tanah Merah, AU	1	5,813	David Lee Lark	Corcoran, CA (US)	1
5,769	Lindsay Moloney	Bellbird Park, AU	1	5,814	Michael Hunter Smith	Huntington Beach, CA (US)	1
5,770	Mark Ammar Rayes	San Ramon, CA (US)	1	5,815	Nikhilkumar V Shah	Bear, DE (US)	1
5,771	Min Chen	Shenzhen, CN	1	5,816	Paul A Ragone	Winter Garden, FL (US)	1
5,772	Yang Zhou	Shenzhen, CN	1	5,817	Anil Bhikuayya Jangam	Milpitas, CA (US)	1
5,773	David Iseminger	Lake Stevens, WA (US)	1	5,818	Ravikanth Chaganti	Karnataka, IN	1
5,774	Richard Johnson	Hillsboro, OR (US)	1	5,819	Stephen P O'Neal	Overland Park, KS (US)	1
5,775	David Harding	Portland, OR (US)	1	5,820	William M Parsel	Overland Park, KS (US)	1
5,776	Dale Peek	Happy Valley, OR (US)	1	5,821	Nathan J Rauh	Rochester, MN (US)	1
5,777	Steve Timm	Bend, OR (US)	1	5,822	Alex Motley	Rochester, MN (US)	1
5,778	Matt Klepp	Portland, OR (US)	1	5,823	Andrew Gordon Guibert	Rochester, MN (US)	1
5,779	Robb Wijnhausen	Portland, OR (US)	1	5,824	James Stephens	Rochester, MN (US)	1
5,780	Daniel Flynn	Sterling, VA (US)	1	5,825	Mark Swatosh	Rochester, MN (US)	1
5,781	Eric Wesley Herring	Hillsboro, VA (US)	1	5,826	Matthias Neugschwandtner	Rueschlikon, CH	1
5,782	Miguel Galvez	Plaistow, NH (US)	1	5,827	Manoj Gopalakrishnan	Bengaluru, IN	1
5,783	Matthew Roberts	North Chelmsford, MA (US)	1	5,828	Ashish Kumar Mishra	Odisha, IN	1
5,784	Stephen Tarmey	Leominster, MA (US)	1	5,829	Amol Kulkarni	Hillsboro, OR (US)	1
5,785	Ashwin Reddy Lingannagari	Billerica, MA (US)	1	5,830	Anthony Kenyon	Farnham, GB	1
5,786	Ravi Kiran Raman	Champaign, IL (US)	1	5,831	Tanay Gahlot	Ponda Goa, IN	1
5,787	Lav Raj Varshney	Champaign, IL (US)	1	5,832	Kuntal Dey	New Delhi, IN	1
5,788	Chih-Wen Hsueh	Taipei, TW	1	5,833	Seema Nagar	Bengaluru, IN	1
5,789	Thomas Triplet	Manotick, CA	1	5,834	Meenal Kapoor	Gurgaon, IN	1
5,790	Emil Janulewicz	Nepean, CA	1	5,835	Vinayak Sastri	Bengaluru, IN	1
5,791	David Côté	Gatineau, CA	1	5,836	William Martino	Brooklyn, NY (US)	1
5,792	Atul Ajoy	Redmond, WA (US)	1	5,837	Stuart Popejoy	Brooklyn, NY (US)	1
5,793	Daniel Dulaney	Groton, MA (US)	1	5,838	Monica Quaintance	Brooklyn, NY (US)	1
5,794	John P Filippone	Cambridge, MA (US)	1	5,839	Samuel Massa Moiyallah, Jr	Newark, DE (US)	1
5,795	Wenqiang Zhao	Hangzhou, CN	1	5,840	Victoria J Miller	Gainesville, FL (US)	1
5,796	Wenbing Zhang	Hangzhou, CN	1	5,841	Lisa M Dender	Maryville, TN (US)	1
5,797	Ariel Meilich	Montevideo, UY	1	5,842	Matthew Chalkley	Dunshaughlin, IE	1
5,798	Thor Alexander	Beverly Hills, CA (US)	1	5,843	Robert T Sanders	Raleigh, NC (US)	1
5,799	Hugo Arregui	Gonzalez Catan, AR	1	5,844	Amar Chokhawala	San Mateo, CA (US)	1
5,800	Daniel Morgan Harris	Grosse Point Farms, MI (US)	1	5,845	Vivek Gupta	San Jose, CA (US)	1
5,801	Matthew E Carroll	Charlotte, NC (US)	1	5,846	Joe Roets	Bellevue, WA (US)	1
5,802	Ram Mohan Ravindranath	Karnataka, IN	1	5,847	Alex Benedetto	Kirkland, WA (US)	1
5,803	Lei Liu	San Jose, CA (US)	1	5,848	Adam Crowder	Kirkland, WA (US)	1
5,804	Wei-Peng Chen	Fremont, CA (US)	1	5,849	Roby Daquilante	Port Orchard, WA (US)	1
5,805	Manjula Sridhar	Bengaluru, IN	1	5,850	Noah Gribbin	Seattle, WA (US)	1

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#	Name	Location	Patents	#	Name	Location	Patents
5,851	Regan Karlewicz	Bellevue, WA (US)	1	5,896	Emmanuel Benbinuto Antonio	Mandaluyong, PH	1
5,852	Daniel Luedke	Seattle, WA (US)	1	5,897	Darwin Endaya Flores	Pampanga, PH	1
5,853	David Rigby	Lynnwood, WA (US)	1	5,898	Yvonne Jean Balsamo Martinez	Dumaguete, PH	1
5,854	Dean Shelton	Mukilteo, WA (US)	1	5,899	Rinze Cats	The Hague, NL	1
5,855	Afsal Marattil	Kerala, IN	1	5,900	Keith William Schindler	Nipomo, CA (US)	1
5,856	Hee Jung Wang	Seoul, KR	1	5,901	Dennis Maliani	Marina Del Rey, CA (US)	1
5,857	Kwang Wook Lee	Seoul, KR	1	5,902	Gandhi Sivakumar	Melbourne, AU	1
5,858	Dong Hoe Kim	Seoul, KR	1	5,903	Faried Abrahams	Laytonsville, MD (US)	1
5,859	Patrick Soon-Shiong	Culver City, CA (US)	1	5,904	Krishnan K Ramachandran	Campbell, CA (US)	1
5,860	Jianli Pan	Columbia, MO (US)	1	5,905	Anand Pikle	Pune, IN	1
5,861	Jianyu Wang	Columbia, MO (US)	1	5,906	Amol A Dhondse	Pune, IN	1
5,862	Fenglian Xu	Hampshire, GB	1	5,907	Lucas Correia Villa Real	Sao Paulo, BR	1
5,863	Jake Turner	Ferndown, GB	1	5,908	Priscilla Barreira Avegliano	Apto, BR	1
5,864	Liam Grace	Eastleigh, GB	1	5,909	Carlos Henrique Cardonha	São Paulo, BR	1
5,865	Anastasia Paterson	Guildford, GB	1	5,910	Ivan M Milman	Austin, TX (US)	1
5,866	Olaf Funke	Weilerbach, LU	1	5,911	Sushain Pandit	Austin, TX (US)	1
5,867	Alfred Michael Smith	Madison, NJ (US)	1	5,912	Calvin Chan	Albuquerque, NM (US)	1
5,868	Muhammad Emad Khan	New York, NY (US)	1	5,913	Uri Kartoun	Cambridge, MA (US)	1
5,869	Henry Hwangbo	Northbrook, IL (US)	1	5,914	Fang Lu	Billerica, MA (US)	1
5,870	Timothy Kyunghyun Won	Rockville, MD (US)	1	5,915	Seyoung Huh	Daejeon, KR	1
5,871	Shannon Code	Raleigh, NC (US)	1	5,916	Laurent Tonnelier	Paris, FR	1
5,872	Sean Dennis	Earnley, GB	1	5,917	Dongyan Wang	Santa Clara, CA (US)	1
5,873	Gregory Simon	Beaufort, NC (US)	1	5,918	Haisong Gu	Cupertino, CA (US)	1
5,874	Rasit O Topaloglu	Poughkeepsie, NY (US)	1	5,919	Mingze Xu	Plano, TX (US)	1
5,875	Jordan Martin	Victoria, CA	1	5,920	Kuangyuan Sun	Santa Clara, CA (US)	1
5,876	Justin Martin	Lake Cowichan, CA	1	5,921	Amjed Ratib Al-Zoubi	Northville, MI (US)	1
5,877	Sireen Malik	Bothell, WA (US)	1	5,922	Meliza Carrion	San Antonio, TX (US)	1
5,878	Siyu Xia	Hangzhou, CN	1	5,923	Joseph George	Bee Cave, TX (US)	1
5,879	Lei Cao	Hangzhou, CN	1	5,924	Christopher Scott Lowe	San Antonio, TX (US)	1
5,880	John W Elliott	San Diego, CA (US)	1	5,925	Kevin J Delaney	Cedar Rapids, IA (US)	1
5,881	Pawel Cichocki	Warsaw, PL	1	5,926	Joseph G Razo	Marion, IA (US)	1
5,882	Aritoki Takada	Santa Clara, CA (US)	1	5,927	Diane D McClatchy	Annapolis, MD (US)	1
5,883	Jessica R Eidem	Rochester, MN (US)	1	5,928	Dongming Hwang	Durham, NC (US)	1
5,884	Jingdong Sun	Rochester, MN (US)	1	5,929	Barry Mosakowski	Raleigh, NC (US)	1
5,885	Weijia Zhang	Austin, TX (US)	1	5,930	Jianjun Zhang	Cary, NC (US)	1
5,886	Xujun Lu	Austin, TX (US)	1	5,931	Valery Miftakhov	San Carlos, CA (US)	1
5,887	Sven Trieflinger	Renningen, DE	1	5,932	Alexander Gurzhi	Cupertino, CA (US)	1
5,888	Pratik Soni	Porter Ranch, CA (US)	1	5,933	Alan White	Tiburon, CA (US)	1
5,889	Richard Gunawan	Chula Vista, CA (US)	1	5,934	David D Wright, Sr	Santa Cruz, CA (US)	1
5,890	Xiang Yao	Shanghai, CN	1	5,935	Sai Zeng	Yorktown Heights, NY (US)	1
5,891	Ken G Tisdel	Richmond, TX (US)	1	5,936	Jun Duan	Selden, NY (US)	1
5,892	Paul Michael Gerhardt	Oakland, CA (US)	1	5,937	Nerla Jean-Louis	White Plains, NY (US)	1
5,893	Gary F Diamanti	Wake Forest, NC (US)	1	5,938	Sheng Qiang	Lenexa, KS (US)	1
5,894	Mauro Marzorati	Lutz, FL (US)	1	5,939	Kantha Kumar Kanchiraju	Overland Park, KS (US)	1
5,895	Jorge Alonso Hernandez Nevarez	Tlaquepaque, MX	1	5,940	Jimmy Qi	Shanghai, CN	1

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#	Name	Location	Patents	#	Name	Location	Patents
5,941	Richard Liu	Shanghai, CN	1	5,986	Kaustubh Inamdar	Bengaluru, IN	1
5,942	Moshe Shadmon	Redwood City, CA (US)	1	5,987	Jamal Mohiuddin Mohammad	Karimnagar, IN	1
5,943	Levy Cohen	Tel Aviv, IL	1	5,988	Paul Michael Burke	Bedford, NH (US)	1
5,944	Daniel Abadi	College Park, MD (US)	1	5,989	Warner Lee Hines	Southlake, TX (US)	1
5,945	Owen Arden	Santa Cruz, CA (US)	1	5,990	Giorgio A Curatolo	Houston, TX (US)	1
5,946	Glenn Scott	Mountain View, CA (US)	1	5,991	Deliang Qian	Tampa, FL (US)	1
5,947	Michael R Gabriel	Mountain View, CA (US)	1	5,992	Sreenivasa Ganji	Tampa, FL (US)	1
5,948	Haribabu Reddy Marthala	Hyderabad, IN	1	5,993	Matthew John Campagna	Bainbridge Island, WA (US)	1
5,949	Bhagat Kumar Allugubelly	Hyderabad, IN	1	5,994	Abdelkadar M'Hamed Benkreira	Washington, DC (US)	1
5,950	Shishir Choubey	Bengaluru, IN	1	5,995	Herve Chabanne	Issy-les-Moulineaux, FR	1
5,951	Oleg Kalistratov	Balakhna, RU	1	5,996	Thomas Chenevier	Issy-les-Moulineaux, FR	1
5,952	Michael Cleat Bishop, II	Issaquah, WA (US)	1	5,997	Laurent Lambert	Issy-les-Moulineaux, FR	1
5,953	Kurt Newman	Columbus, GA (US)	1	5,998	Olivier Clemot	Issy-les-Moulineaux, FR	1
5,954	Debashis Ghosh	Charlotte, NC (US)	1	5,999	Tom Funk	Littleton, CO (US)	1
5,955	Robert Wohlers	Castro Valley, CA (US)	1	6,000	Chandirasekaran Dhakshinamoorthy	Banglore, IN	1
5,956	Ronald G Gottschalk	The Basin, AU	1	6,001	Basavaraju Vasamurthy	Bengaluru, IN	1
5,957	Pritpal Arora	Bengaluru, IN	1	6,002	Rod Stein	Edmonton, CA	1
5,958	Dennis Anthony Perpetua, Jr	Jay, NY (US)	1	6,003	Ronald H Minter	Edgewater, FL (US)	1
5,959	Brandon E D'Amore	Sherman Oaks, CA (US)	1	6,004	Pasteur Ntake	Bucerias, MX	1
5,960	Joel P Thatcher	Oroville, WA (US)	1	6,005	Rama Mwikalo	Dar es Salaam, TZ	1
5,961	Gregory A Piccionelli	Westlake Village, CA (US)	1	6,006	Masaru Imoto	Tokyo, JP	1
5,962	Adi Ben-Ari	London, GB	1	6,007	Benjamin Mark Roberts	Toronto, CA	1
5,963	Felix B Kwizera	Riruta Satelite, KE	1	6,008	Brett David Bergmann	Toronto, CA	1
5,964	Purity Mugambi	Mumbai, IN	1	6,009	Ananth Narayanan Easwar Prasad	Bengaluru, IN	1
5,965	Gerhard A Widmayer	Herrenberg, DE	1	6,010	Fazlur Rahman Sit Mohamed Ali	Bengaluru, IN	1
5,966	Guy James Elden	Parsippany, NJ (US)	1	6,011	Subbulakshmi Kallidaikurichi Viswesvaran	Bengaluru, IN	1
5,967	Mitchel Jon Maio	Moorpark, CA (US)	1	6,012	Rebecca Stepp Morgan	Charlottesville, VA (US)	1
5,968	James Caldwell Ford	Orleans, MA (US)	1	6,013	Shawn Cart Gunsolley	Charlotte, NC (US)	1
5,969	Joshua Whitney	Richardson, TX (US)	1	6,014	Chad Ryan Compton	Valley Park, MO (US)	1
5,970	Johan Muedsam	Plano, TX (US)	1	6,015	Eric Dryer	Charlotte, NC (US)	1
5,971	Aarthi Reddy	Allen, TX (US)	1	6,016	Alexander Michael Valderrama	Palo Alto, CA (US)	1
5,972	Jean Luo	Berkeley, CA (US)	1	6,017	Tianyu Zhao	Sunnyvale, CA (US)	1
5,973	Chih Chien Huang	Mountain View, CA (US)	1	6,018	Tu Pham	San Jose, CA (US)	1
5,974	Hernan A Cunico	Holly Springs, NC (US)	1	6,019	Glenn Willen	Mountain View, CA (US)	1
5,975	Sean Dunne	Blackrock, IE	1	6,020	Gregory Sanders	Greenbelt, MD (US)	1
5,976	Asima Silva	Holden, MA (US)	1	6,021	Matt Corollo	New York City, NY (US)	1
5,977	Hugo M Krawczyk	Tarrytown, NY (US)	1	6,022	Chia-Hui Lin	Taoyuan, TW	1
5,978	Rohit Ranchal	Cambridge, MA (US)	1	6,023	Per W Brashers	Oakland, CA (US)	1
5,979	Olivia Choudhury	Cambridge, MA (US)	1	6,024	Anuj Chopra	Singapore, SG	1
5,980	Amarendra Das	Cambridge, MA (US)	1	6,025	Hao-Ting Shih	Taipei, TW	1
5,981	Senthil Bakthavachalam	Yorktown Heights, NY (US)	1	6,026	Sang Hoon Hyun	Seoul, KR	1
5,982	Jens Jelitto	Rueschlikon, CH	1	6,027	Hubert Ritzdorf	Zurich, CH	1
5,983	Ilie Circiumaru	Luxembourg, DE	1	6,028	Taylor Schmidt	Austin, TX (US)	1
5,984	Luke Anthony Hinds	Wiltshire, GB	1	6,029	Kfir Wolfson	Beer Sheva, IL	1
5,985	Padmanabha Venkatagiri Seshadri	Mysore, IN	1	6,030	Modesto Tabares	Weston, FL (US)	1

INVENTORS

#	Name	Location	Patents	#	Name	Location	Patents
6,031	Xiaofeng Du	London, GB	1	6,076	Hiroshi Watanabe	Yokohama, JP	1
6,032	James A Carson	Riverside, CT (US)	1	6,077	Haining Fan	Brea, CA (US)	1
6,033	Ryuta Richard Makino	Greenwich, CT (US)	1	6,078	Gaurav Nagla	Oakville, CA	1
6,034	Susan H Glenn-Joseph	Rye Brook, NY (US)	1	6,079	Iustina-Miruna Vintila	Bucharest, RO	1
6,035	Xiaotian Wang	Hangzhou, CN	1	6,080	Mehmet Balasaygun	Freehold, NJ (US)	1
6,036	Tyson Trautmann	Redondo Beach, CA (US)	1	6,081	Joel Ezell	Broomfield, CO (US)	1
6,037	Andrew Burnell	Redondo Beach, CA (US)	1	6,082	Hiroki Yanagisawa	Tokyo, JP	1
6,038	Se-Young Huh	Daejeon, KR	1	6,083	Dallas Hoffman	Vancouver, CA	1
6,039	Jung-Yeon Hwang	Daejeon, KR	1	6,084	Vincent Julien David	Port Washington, NY (US)	1
6,040	Warren Grunbok, II	Poughkeepsie, NY (US)	1	6,085	Yogaraj Jayaprakasam	Phoenix, AZ (US)	1
6,041	Sean M Gulley	Boston, MA (US)	1	6,086	Daniel Reznik	Staten Island, NY (US)	1
6,042	Stefan Lemsitzer	Stainz, AT	1	6,087	Hemant Bhatia	Naperville, IL (US)	1
6,043	Marc Vauclair	Overijse, BE	1	6,088	Travis Brown	New York, NY (US)	1
6,044	Dae Hyun Park	Seoul, KR	1	6,089	Ashwin Nagalla	Brooklyn, NY (US)	1
6,045	Yunhai Yang	Elgin, IL (US)	1	6,090	Adam Stradling	Berlin, DE	1
6,046	Thomas J Senese	Schaumburg, IL (US)	1	6,091	Isaac Wooden	Bothell, WA (US)	1
6,047	George R Economy	Arlington Heights, IL (US)	1	6,092	Zachary Gianos	Burlingame, CA (US)	1
6,048	Gregg Arquero	White Plains, NY (US)	1	6,093	Yasha Spong	Oakland, CA (US)	1
6,049	Steven Burchfield	Woodstock, NY (US)	1	6,094	Venkat Ram Sriram	Saratoga, CA (US)	1
6,050	Syed F Hossain	Wappinger Falls, NY (US)	1	6,095	Yong Wang	Hangzhou, CN	1
6,051	Joshua Schaeffer	White Plains, NY (US)	1	6,096	Rohan V Malcolm	Kingston, JM	1
6,052	Eric Kass	Mannheim, DE	1	6,097	Lukun Lai	Hangzhou, CN	1
6,053	Robert J Brenneman	Stormville, NY (US)	1	6,098	Matthew Winslow	Savannah, GA (US)	1
6,054	Philip F Chan	Poughkeepsie, NY (US)	1	6,099	Scott Bohanan	Savannah, GA (US)	1
6,055	Helen C Fischer	Wappingers Falls, NY (US)	1	6,100	Shamim A Naqvi	Morristown, NJ (US)	1
6,056	David Gross	Poughkeepsie, NY (US)	1	6,101	Robert Frank Raucci	New York, NY (US)	1
6,057	Dulce Smith	Westchester, NY (US)	1	6,102	Goutham Puppala	Basking Ridge, NJ (US)	1
6,058	Eyal Binyamin Shtrauch	Geulim, IL	1	6,103	Joshua D Lampkins	Gardena, CA (US)	1
6,059	Nagina Eliav	Even Yehuda, IL	1	6,104	Hyun (Tiffany) J Kim	Irvine, CA (US)	1
6,060	Hanoch Sapoznikov	Zidman, IL	1	6,105	Mhd Zuhir Ziedan	South Brisbane, AU	1
6,061	Rahul Suraparaju	Fremont, CA (US)	1	6,106	Maissoun Abou Hamra	South Brisbane, AU	1
6,062	Patrick R Esposito, II	Morgantown, WV (US)	1	6,107	Luc Jarry-Lacombe	Rueil Malmaison, FR	1
6,063	Matthew J Milan	Toronto, CA	1	6,108	Vincent Langard	Juvignac, FR	1
6,064	Jon HC Tirmandi	Toronto, CA	1	6,109	William L Wellman	Lexington, MA (US)	1
6,065	Mark T Wise	Morgantown, WV (US)	1	6,110	Mark Potts	Cherry Hills Village, CO (US)	1
6,066	Zenovy S Wowczuk	Morgantown, WV (US)	1	6,111	James F Myers	Boston, MA (US)	1
6,067	Marcin Jozef Rabenda	Roznow, PL	1	6,112	David L Balter	Boston, MA (US)	1
6,068	Yu-Cheng Hsiao	Taipei, TW	1	6,113	Eric C Stone	Boston, MA (US)	1
6,069	Ying-Hsun Lai	Tainan, TW	1	6,114	Amanuel Zeryihun	Pinole, CA (US)	1
6,070	Adam Robyak	Tampa, FL (US)	1	6,115	David Melcher	Ypsilanti, MI (US)	1
6,071	Bertrand Sirodot	Calgary, CA	1	6,116	Chit Wah Christine Leong	Houston, TX (US)	1
6,072	Brandon Kaier	Centennial, CO (US)	1	6,117	Alexandra Theresa Ashpole	Sunnyvale, CA (US)	1
6,073	Peter A Mehring	Los Altos, CA (US)	1	6,118	Su Han	Pudong New District, CN	1
6,074	Scott A Durgin	San Jose, CA (US)	1	6,119	Feifei Li	Zhejiang Province, CN	1
6,075	Thomas C Reese	Ellicott City, MD (US)	1	6,120	Qi Liang	Shanghai, CN	1

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#	Name	Location	Patents	#	Name	Location	Patents
6,121	Chang X Miao	Shanghai, CN	1	6,166	Andrew T Fausak	Coppell, TX (US)	1
6,122	Liu Xin	Shanghai, CN	1	6,167	Daniel L Hamlin	Round Rock, TX (US)	1
6,123	Belavadi Nagarajaswamy Ramesh	Bengaluru, IN	1	6,168	Gregory N Hoelzer	Raleigh, NC (US)	1
6,124	Basavaraj Patil	Dallas, TX (US)	1	6,169	Guozhen Pan	Hangzhou, CN	1
6,125	M Mobeen Khan	Parker, TX (US)	1	6,170	Yichen Tu	Hangzhou, CN	1
6,126	Stefano Pepe	San Francisco, CA (US)	1	6,171	Ni Zhou	Hangzhou, CN	1
6,127	Giuseppe Cardinale Ciccotti	Rome, IT	1	6,172	Jianguo Xu	Hangzhou, CN	1
6,128	Marco Palumbi	Rome, IT	1	6,173	Jan Kok	Munich, DE	1
6,129	Ivan Minutillo	Rome, IT	1	6,174	Scott Lively	Bartlett, IL (US)	1
6,130	Giuseppe Magnotta	Rome, IT	1	6,175	Maurice Godin	Nepean, CA	1
6,131	Marc Jonathan Uldridge	Brisbane, AU	1	6,176	Thomas Hampp	Stuttgart, DE	1
6,132	Anthony Douglass	Brisbane, AU	1	6,177	Philipp Hoffmann	Hamburg, DE	1
6,133	Xiangying Yang	Cupertino, CA (US)	1	6,178	David Lebutsch	Tuebingen, DE	1
6,134	Michael P O'Brien	Manasquan, NJ (US)	1	6,179	Daniel Pittner	Steinenbronn, DE	1
6,135	David C White, Jr	Saint Petersburg, FL (US)	1	6,180	Gregory J Falco	Los Altos, CA (US)	1
6,136	Muhilan Natarajan	Allen, TX (US)	1	6,181	Caleb Li	Edmond, OK (US)	1
6,137	Christopher Shaun Roberts	Spring, TX (US)	1	6,182	Pavel Fedorov	Seattle, WA (US)	1
6,138	Timothy M Mitchell	Seattle, WA (US)	1	6,183	Carlos Caldera	Waltham, MA (US)	1
6,139	Daniel Nguyen	Auburn, WA (US)	1	6,184	Kelly Jackson	San Francisco, CA (US)	1
6,140	Adonis X Williams	Renton, WA (US)	1	6,185	Rahul Arora	Seattle, WA (US)	1
6,141	Michael R Vanguardia	Kent, WA (US)	1	6,186	Pablo Kogan	Ramat Gan, IL	1
6,142	Siten Sanghvi	Jersey City, NJ (US)	1	6,187	Ori Wallenstein	Raanana, IL	1
6,143	Ronald B Baker	Wake Forest, NC (US)	1	6,188	Ching-Chou Tang	Tainan, TW	1
6,144	Francisco Marchan	Samborondon, EC	1	6,189	Chao-Tang Yu	Tainan, TW	1
6,145	Alejandro Ruiz	Quito, EC	1	6,190	Chien-Liang Hsieh	Tainan, TW	1
6,146	Reza Ghaemi	Watervliet, NY (US)	1	6,191	Kun-Yu Li	Tainan, TW	1
6,147	Xuefei Li	San Ramon, CA (US)	1	6,192	Jhih-Deng Hong	Tainan, TW	1
6,148	George Antoniou	Sunny Isles Beach, FL (US)	1	6,193	Yu-Hao Chung	Tainan, TW	1
6,149	Oresteban Carabeo	Miramar, FL (US)	1	6,194	Ming-Ta Wu	Tainan, TW	1
6,150	Roberto Hernandez Espinosa	Pembroke Pines, FL (US)	1	6,195	Sheng-Kai Huang	Tainan, TW	1
6,151	William Sandberg-Maitland	Ottawa, CA	1	6,196	Qing-Yuan Huang	Tainan, TW	1
6,152	Burton George Tregub	Encino, CA (US)	1	6,197	Milong Sabandith	Irvine, CA (US)	1
6,153	Thomas E Chefalas	Somers, NY (US)	1	6,198	Daniel J Larimer	Christianburg, VA (US)	1
6,154	Matthew John Lawrenson	Lausanne, CH	1	6,199	Richard B Whitner	Blacksburg, VA (US)	1
6,155	Julian Charles Nolan	Lausanne, CH	1	6,200	Leonardo Lima Ribeiro	Blacksburg, VA (US)	1
6,156	Norihiko Kobayashi	Tokyo, JP	1	6,201	Lawrence Salibra	Hong Kong, CN	1
6,157	Nobuhiro Fukuda	Kanagawa, JP	1	6,202	Vinay Rao	Bentonville, AR (US)	1
6,158	Makoto Hinata	Kanagawa, JP	1	6,203	Dhivya Ganesan	Rogers, AR (US)	1
6,159	Takanao Yano	Tokyo, JP	1	6,204	Jennifer Northrup	Eureka Springs, AR (US)	1
6,160	Yukan Liao	Toronto, CA	1	6,205	Richard C Mcsorley	Bentonville, AR (US)	1
6,161	Vinodan K Lingham	Los Altos, CA (US)	1	6,206	Christopher R Heeney	Bella Vista, AR (US)	1
6,162	Mark Levitt	Foster City, CA (US)	1	6,207	Steven Lewis	Bentonville, AR (US)	1
6,163	Krisan Ramesh Nichani	San Francisco, CA (US)	1	6,208	Leehod Baruch	Rishon Leziyon, IL	1
6,164	Guillaume P Lebleu	San Francisco, CA (US)	1	6,209	Jacob Ryan Bordens	Chatham, NJ (US)	1
6,165	Jianbiao Dai	Shanghai, CN	1	6,210	Brick Eksten	Uxbridge, CA	1

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#	Name	Location	Patents	#	Name	Location	Patents
6,211	Craig White	Richmond Hill, CA	1	6,256	Roderick MacKenzie	Ft. Lauderdale, FL (US)	1
6,212	Jian-Wei Liao	Taipei, TW	1	6,257	Joseph V Gallagher	Newport, RI (US)	1
6,213	Chin-Wei Tien	Taipei, TW	1	6,258	Rafael Saavedra	Sunnyvale, CA (US)	1
6,214	Chia-Kang Ho	Hsinchu County, TW	1	6,259	Peter Williams	Belmont, CA (US)	1
6,215	Peter Robinson	Enoggera Reservoir, AU	1	6,260	Denis Dementev	Moscow, RU	1
6,216	Eric Young	Annerley, AU	1	6,261	Laurel Fielding	McLean, VA (US)	1
6,217	Sangeetha Seshadri	Santa Clara, CA (US)	1	6,262	Tewodros Mulatu	Silver Spring, MD (US)	1
6,218	Tao Duan	Beijing, CN	1	6,263	Hillel Solow	Beit Shemesh, IL	1
6,219	Hai Ji	Beijing, CN	1	6,264	Yossi Tsuria	Jerusalem, IL	1
6,220	Tamara Gaidar	Haifa, IL	1	6,265	Avraham Poupko	Jerusalem, IL	1
6,221	Eran Birk	Haifa, IL	1	6,266	Shabtai Atlow	Efrat, IL	1
6,222	Nava Levy	Haifa, IL	1	6,267	Patricia Gomes Soares Florissi	Briarcliff Manor, NY (US)	1
6,223	Peter Wisnovsky	Oakland, CA (US)	1	6,268	Ofri Masad	Beer-Sheva, IL	1
6,224	Matthew Branton	New York, NY (US)	1	6,269	Jason Gerardi	Tampa, FL (US)	1
6,225	Steve Ernst	Walnut Creek, CA (US)	1	6,270	Javier Dominguez	Tampa, FL (US)	1
6,226	Nicholas Sun	Mercer Island, WA (US)	1	6,271	Sara DeBella	Tampa, FL (US)	1
6,227	Damian Finol Correa	Seattle, WA (US)	1	6,272	Sreedhar Vemuri	Secunderabad, IN	1
6,228	Yunlong Liu	Seattle, WA (US)	1	6,273	Peter Flor	O'Fallon, MO (US)	1
6,229	Risham Y Chokshi	North Brunswick, NJ (US)	1	6,274	David Safford	Niskayuna, NY (US)	1
6,230	Autumn Good	Austin, TX (US)	1	6,275	Atul Kshirsagar	San Ramon, CA (US)	1
6,231	William Livesey	Seattle, WA (US)	1	6,276	William David Smith, II	Schenectady, NY (US)	1
6,232	Andie Schroeder	Alston, MA (US)	1	6,277	Richard Paul Messmer	Niskayuna, NY (US)	1
6,233	Malcolm Gary LaFever	Lyons, CO (US)	1	6,278	Cédric Hebert	Mougins, FR	1
6,234	Ted N Myerson	New York, NY (US)	1	6,279	Laurent Gomez	Pégomas, FR	1
6,235	Steven Mason	Las Vegas, NV (US)	1	6,280	José Márquez	Nußloch, DE	1
6,236	Justin J Muller	San Jose, CA (US)	1	6,281	Brian Roche	Rockland, MA (US)	1
6,237	Ranjit Notani	Plano, TX (US)	1	6,282	Xuebin He	Framingham, MA (US)	1
6,238	Timothy James Wright	London, GB	1	6,283	Thinh Nguyen	Stoneham, MA (US)	1
6,239	Chang Nyoung Suh	Gwangmyeong-si, KR	1	6,284	Gary White, Jr	Medford, MA (US)	1
6,240	Mayank Sharma	Bengaluru, IN	1	6,285	Abhishek Kar	Kolkata, IN	1
6,241	Buland Khan	Navi Mumbai, IN	1	6,286	Arpit Jain	Kota, IN	1
6,242	Brian S Beaman	Apex, NC (US)	1	6,287	Kuntal Das	Burdwan, IN	1
6,243	Eric V Kline	Rochester, MN (US)	1	6,288	Shyam Kumar	Patna, IN	1
6,244	Jonathan M C Rosenoer	Westport, CT (US)	1	6,289	Li Chun Wang	Hsinchu, TW	1
6,245	Rakesh Babu Katragadda	Bloomfield Hills, MI (US)	1	6,290	Yu-Jia Chen	Kaohsiung, TW	1
6,246	Juan Ramirez	Buenos Aires, AR	1	6,291	Shu Wang	Beijing, CN	1
6,247	G Krishna Kumar	Troy, MI (US)	1	6,292	Chidambaram Arunachalam	Cary, NC (US)	1
6,248	Chandana Karipineni	Northville, MI (US)	1	6,293	Felipe Ignacio Garrido	Raleigh, NC (US)	1
6,249	Saritha Vellanki	Bloomfield Hills, MI (US)	1	6,294	Bjorn Hamel	Dublin, CA (US)	1
6,250	Sudha Kolachalam	Ashland, MA (US)	1	6,295	Jonathan David Ruggiero	Walnut Creek, CA (US)	1
6,251	Mohammad Zoualfaghari	London, GB	1	6,296	Risto Alas	Tallinn, EE	1
6,252	Daniel Maurice Lerner	Missouri City, TX (US)	1	6,297	Ao-Jan Su	Santa Clara, CA (US)	1
6,253	Simon Youngs	Overland Park, KS (US)	1	6,298	Saravanan Mallesan	Fairfax, VA (US)	1
6,254	David W Holmes	Sammamish, WA (US)	1	6,299	Lee E Sattler	Mount Airy, MD (US)	1
6,255	Robert J Maccini	Jamestown, RI (US)	1	6,300	Jean M McManus	Bernardsville, NJ (US)	1

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#	Name	Location	Patents	#	Name	Location	Patents
6,301	Gil Makmel	Petach-Tikva, IL	1	6,346	Matthew Robben	Loveland, OH (US)	1
6,302	Or Gamliel	Petach-Tikva, IL	1	6,347	Chaoxin Hu	Beijing, CN	1
6,303	Dima Barboi	Tel Aviv, IL	1	6,348	Kecheng Lu	Beijing, CN	1
6,304	Mark Schmulevich	Moscow, RU	1	6,349	Ramesh Chandra Soni	Pune, IN	1
6,305	Darrius M Jones	San Antonio, TX (US)	1	6,350	Sandeep Gupta	Pune, IN	1
6,306	Hansol Seo	Yongin-si, KR	1	6,351	Mohan Hastak	Mumbai, IN	1
6,307	Namhee Kim	Seoul, KR	1	6,352	Jason Palazzolo	Pooler, GA (US)	1
6,308	Judith Ying Priest	Palo Alto, CA (US)	1	6,353	Kevin Barnes	Douglasville, GA (US)	1
6,309	Francisco P Curbera	Hastings On Hudson, NY (US)	1	6,354	David A Booz	Poughkeepsie, NY (US)	1
6,310	Yurdaer N Doganata	Chestnut Ridge, NY (US)	1	6,355	Jonathan D Dye	Armonk, NY (US)	1
6,311	Maria Eleftheriou	Mt Kisco, NY (US)	1	6,356	Michael J Dye	Salt Lake City, UT (US)	1
6,312	Mark H Overman	Dedham, MA (US)	1	6,357	Egan F Ford	Salt Lake City, UT (US)	1
6,313	David W Grawrock	Aloha, OR (US)	1	6,358	Eiland Glover	Nashville, TN (US)	1
6,314	Alexander Vladimirovich Vlasov	Moscow, RU	1	6,359	John W Reitano	Nashville, TN (US)	1
6,315	Vadim Borisovich Leonovich	Moscow, RU	1	6,360	Wesley John Boudville	Los Angeles, CA (US)	1
6,316	Perry Haldenby	Mississauga, CA	1	6,361	Ignacio Alvarez	Portland, OR (US)	1
6,317	Frederik Armknecht	Worms, DE	1	6,362	David Brett Pasirstein	Morristown, NJ (US)	1
6,318	James E Carey	Rochester, MN (US)	1	6,363	Gong Su	New York, NY (US)	1
6,319	Scott N Gerard	Durham, NC (US)	1	6,364	Thomas D Erickson	Minneapolis, MN (US)	1
6,320	Liqun Chen	Bristol, GB	1	6,365	Aisha Walcott	Nairobi, KE	1
6,321	Stuart Haber	New York, NY (US)	1	6,366	Serguei Mankovskii	Morgan Hill, CA (US)	1
6,322	Hajoon Ko	Cambridge, MA (US)	1	6,367	Steven L Greenspan	Scotch Plains, NJ (US)	1
6,323	Hui Li	Shenzhen, CN	1	6,368	Maria Cecilia Velez Rojas	Santa Clara, CA (US)	1
6,324	Kejiao Li	Foshan, CN	1	6,369	William Manning	Playa Del Ray, CA (US)	1
6,325	Peng Yi	Zhengzhou, CN	1	6,370	Thorsten Kramp	Jona, CH	1
6,326	Fusheng Zhu	Gangzhou, CN	1	6,371	Marko Vukolic	Zurich, CH	1
6,327	Xinchun Zhang	Shenzhen, CN	1	6,372	Tianqing Leng	Kunming, CN	1
6,328	Mengchang Chen	Guangzhou, CN	1	6,373	Tianhui Leng	Kunming, CN	1
6,329	Shisheng Chen	Shenzhen, CN	1	6,374	David Chavez	Broomfield, CO (US)	1
6,330	Yiqin Lu	Shenzhen, CN	1	6,375	Laurent Philonenko	San Francisco, CA (US)	1
6,331	Yunyong Zhang	Beijing, CN	1	6,376	John Matthew Wnuk	Mesa, AZ (US)	1
6,332	Jinwu Wei	Beijing, CN	1	6,377	William Becker	Stamford, CT (US)	1
6,333	Shengfei Li	Shenzhen, CN	1	6,378	Ian A Nazzari	Moraga, CA (US)	1
6,334	Huiyao An	Shenzhen, CN	1	6,379	Paul Eipper	Corupa, BR	1
6,335	Junfeng Ma	Shenzhen, CN	1	6,380	Mohamed Alaa Aljawhari	South Australia, AU	1
6,336	Wei Li	Guangzhou, CN	1	6,381	Hui Li	Guangdong, CN	1
6,337	Minqian Pu	Shenzhen, CN	1	6,382	Xiangui Wang	Guangdong, CN	1
6,338	Kaixuan Xing	Shenzhen, CN	1	6,383	Zhili Lin	Guangdong, CN	1
6,339	Jong Ho Won	West Lafayette, IN (US)	1	6,384	Xueming Si	Guangdong, CN	1
6,340	Gregory Bollella	Redwood City, CA (US)	1	6,385	Xin Yang	Guangdong, CN	1
6,341	Victor Chapela	Palo Alto, CA (US)	1	6,386	Timothy S Galebach	Park City, UT (US)	1
6,342	Ricardo Corral Corral	Mexico City, MX	1	6,387	Jared Bowie	Las Vegas, NV (US)	1
6,343	Jeffrey McGregor	Palm Springs, CA (US)	1	6,388	Michael Chin	Belize, BZ	1
6,344	Craig Stack	La Jolla, CA (US)	1	6,389	Stephen H Galebach	Medford, MA (US)	1
6,345	Jason Lyons	Arlington, VA (US)	1	6,390	Tim Dunlevy	San Mateo, CA (US)	1

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#	Name	Location	Patents
6,391	Theodore C Tanner, Jr	San Mateo, CA (US)	1
6,392	Ahto Buldas	Tallinn, EE	1
6,393	Nelson E Brestoff	Sequim, WA (US)	1
6,394	Jagannath Rajagopal	Mississauga, CA	1
6,395	Luis Gerardo Paris	Maple Valley, WA (US)	1
6,396	Michael Patrick Mackey	Lake Stevens, WA (US)	1
6,397	Ariji Das	Chicago, IL (US)	1
6,398	Timothy Mossbarger	La Mesa, CA (US)	1
6,399	Roderick Neil Hodgson	London, GB	1
6,400	Shamir Allibhai	San Francisco, CA (US)	1
6,401	Ahto Truu	Tartu, EE	1
6,402	Michael Gault	Amsterdam, NL	1
6,403	Wesley John Boudville	Perth, AU	1
6,404	Sead Muftic	Rockville, MD (US)	1
6,405	Asterios Steven Geros	New York, NY (US)	1
6,406	Stephen Lesavich	Kenosha, WI (US)	1
6,407	Zachary C Lesavich	Kenosha, WI (US)	1

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#	Name	Patents
1	International Business Machines Corporation	607
2	Advanced New Technologies Co., Ltd.	491
3	Alibaba Group Holding Limited	168
4	Nchain Licensing Ag	131
5	Alipay (hangzhou) Information Technology Co., Ltd.	127
6	Mastercard International Incorporated	120
7	State Farm Mutual Automobile Insurance Company	89
8	Bank of America Corporation	80
9	Accenture Global Solutions Limited	69
10	Capital One Services, LLC	67
11	Visa International Service Association	55
12	Tencent Technology (shenzhen) Company Limited	39
13	Intel Corporation	36
14	Wells Fargo Bank, N.a.	36
15	Microsoft Technology Licensing, LLC	33
16	Emc IP Holding Company LLC	32
17	Nchain Holdings Limited	32
18	Hewlett Packard Enterprise Development LP	31
19	Paypal, Inc.	30
20	Ebay, Incorporated	30
21	Sap Se	29
22	Salesforce.com, Inc.	29
23	Cisco Technology, Inc.	28
24	Inveniam Capital Partners, Inc.	28
25	Coinplug, Inc.	28
26	Oracle International Corporation	27
27	United Services Automobile Association (usaa)	27
28	Nec Corporation	25
29	Coinbase, Inc.	22
30	At&t Intellectual Property I, L.p.	22
31	Verizon Patent and Licensing Inc.	22
32	American Express Travel Related Services Company, Inc.	22
33	Salesforce, Inc.	19
34	Equity Shift, Inc.	18
35	Red Hat, Inc.	18
36	Samsung Sds Co., Ltd.	18
37	Ford Global Technologies, LLC	16
38	Citibank, N.a.	16
39	Nippon Telegraph and Telephone Corporation	16
40	T-mobile Usa, Inc.	16
41	Mythical, Inc.	16
42	Massachusetts Mutual Life Insurance Company	15
43	Akamai Technologies, Inc.	15
44	Americorp Investments LLC	15
45	Innoplexus Ag	14
46	Samsung Electronics Co., Ltd.	14
47	Nasdaq, Inc.	14
48	Electronics and Telecommunications Research Institute	13
49	Telefonaktiebolaget Lm Ericsson (publ)	13
50	Walmart Apollo, LLC	12
51	Huawei Technologies Co., Limited	12
52	Siemens Aktiengesellschaft	12
53	Dell Products Inc.	12
54	British Telecommunications Public Limited Company	12
55	Baidu Online Network Technology (beijing) Co., Ltd.	11
56	Ledgerdomain Inc.	11
57	Acronis International Gmbh	11
58	Micron Technology Incorporated	10
59	0chain Corp.	10
60	Strong Force Tx Portfolio 2018, LLC	10
61	Hiro Systems Pbc	10
62	Fujitsu Corporation	10
63	Nike, Inc.	10
64	Honeywell International Inc.	10
65	Amazon Technologies, Inc.	10
66	Anchor Labs, Inc.	10
67	Gsc Secrypt, LLC	10
68	Winklevoss Ip, LLC	10
69	Sony Corporation	9
70	R3 Ltd.	9
71	Worldpay Limited	9
72	Amdocs Development Limited	9
73	Vmware, Inc.	9
74	Dish Network L.l.c.	9
75	Panasonic Intellectual Property Corporation of America	9
76	Syniverse Technologies, LLC	9
77	Hitachi, Ltd.	9
78	Centurylink Intellectual Property LLC	9
79	Kyocera Document Solutions Inc.	9
80	Nokia Technologies Oy	9
81	Alipay Labs (singapore) Pte. Ltd.	9
82	Blockchain Asics LLC	9
83	Atrium Separate IP Holdings Number 4, LLC	8
84	Tassat Group Inc.	8
85	Nant Holdingsip, LLC	8
86	Edjx, Inc.	8
87	Tradove, Inc.	8
88	Gemini Ip, LLC	8
89	Block, Inc.	8
90	Mcafee, Inc.	8

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#	Name	Patents
91	General Electric Company	8
92	The Boeing Company	8
93	Forcepoint LLC	8
94	Beatdapp Software Inc.	8
95	Toyota Motor North America, Inc.	8
96	Cognitive Scale, Inc.	8
97	Verisign, Inc.	7
98	Kyndryl, Inc.	7
99	Hon Hai Precision Industry Co., Ltd.	7
100	Intercontinental Exchange Holdings, Inc.	7
101	Alchemy Insights, Inc.	7
102	Side, Inc.	7
103	Aristocrat Technologies, Inc.	7
104	Moac Blockchain Tech Inc.	7
105	Refinitiv US Organization LLC	7
106	Sprint Communications Comapny L.p.	7
107	Northern Trust Corporation	7
108	Factom, Inc.	7
109	Textron Innovations Inc.	6
110	T-mobile Innovations LLC	6
111	Eluvio, Inc.	6
112	Canon Kabushiki Kaisha	6
113	Commissariat a L'energie Atomique Et Aux Energies Alternatives	6
114	Sony Pictures Entertainment, Inc.	6
115	The Bank of New York Mellon Corporation	6
116	Liquineq Ag	6
117	Janssen Pharmaceutica Nv	6
118	Tata Consultancy Services Limited	6
119	Netspective Communications LLC	6
120	Beijing Baidu Netcom Science Technology Co., Ltd	6
121	Kpmg Llp	6
122	Fmr Corp.	6
123	Adobe, Inc.	6
124	Duvon Corporation	6
125	Northwestern University	6
126	Adp, Inc.	6
127	Avaya Inc.	6
128	Deeptruth, LLC	6
129	Xage Security, Inc.	6
130	Labyrinth Research LLC	6
131	Guardtime IP Holdings Limited	6
132	Insights Network	5
133	Sony Group Corporation	5
134	Circlesx LLC	5
135	Ping Identity Corporation	5

#	Name	Patents
136	Radware, Ltd.	5
137	Live Nation Entertainment, Incorporated	5
138	Johnson Controls Tyco IP Holdings Llp	5
139	Sony Interactive Entertainment Inc.	5
140	Cryptowerk Corp.	5
141	Swear Inc.	5
142	Chia Network Inc.	5
143	Nomura Research Institute, Ltd.	5
144	Hewlett-packard Development Company, L.p.	5
145	China Unionpay Co., Ltd.	5
146	Bull Sas	5
147	The Toronto-dominion Bank	5
148	Boardwalktech, Inc	5
149	Nasdaq Technology Ab	5
150	Bundesdruckerei Gmbh	5
151	Altr Solutions, Inc.	5
152	Eternal Paradise Limited	5
153	Cloudminds (shanghai) Robotics Co., Ltd.	5
154	Workday, Inc.	5
155	Ezblock Ltd.	4
156	Carrier Corporation	4
157	Parity Technologies Ltd.	4
158	Chicago Mercantile Exchange Inc.	4
159	Docusign International (emea) Limited	4
160	Unstoppable Domains Inc.	4
161	Ava Labs, Inc.	4
162	Jinan University	4
163	Cable Television Laboratories, Inc.	4
164	Zengo Inc.	4
165	Hong Kong Applied Science and Technology Research Institute Company, Limited	4
166	Beijing Baidu Netcom Science and Technology Co., Ltd.	4
167	Mastercard Asia/pacific Pte. Ltd.	4
168	Arcblock, Inc.	4
169	Infrared5, Inc.	4
170	Touch Point Worldwide, Inc.	4
171	Virtual Hold Technology Solutions, LLC	4
172	Dapper Labs, Inc.	4
173	Royal Bank of Canada	4
174	Seagate Technology Incorporated	4
175	Nhn Corporation	4
176	Beyond Aerospace Ltd.	4
177	Koninklijke Kpn N.v.	4
178	At&t Mobility Ii LLC	4
179	Blockstream Corporation	4
180	Block.one	4

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#	Name	Patents
181	Turing Technology, Inc.	4
182	Myomega Systems Gmbh	4
183	Blockstack Pbc	4
184	Macrogen Corp.	4
185	Ca, Inc.	4
186	Jingdong Technology Information Technology Co., Ltd.	3
187	Mutualink, Inc.	3
188	Osom Products, Inc.	3
189	Chainstack Pte. Ltd.	3
190	Hefei Dappworks Technology Co., Ltd.	3
191	Marvell Asia Pte., Ltd.	3
192	Circle Internet Financial Limited	3
193	Hypr Corp.	3
194	Dk Crown Holdings Inc.	3
195	Jura Pentium Ag	3
196	The Travelers Indemnity Company	3
197	Cplabs, Inc.	3
198	Experian Information Solutions, Inc.	3
199	Quantum Group Inc.	3
200	Burstiq, Inc.	3
201	Tsinghua University	3
202	Via Science, Inc.	3
203	Ncr Corporation	3
204	Docusign, Inc.	3
205	Denso Corporation	3
206	Robert Bosch G.m.b.h.	3
207	Nice Ltd	3
208	China Internet Network Information Center	3
209	Ernst & Young U.S. Llp	3
210	Arm Limited	3
211	Honda Motor Co., Ltd.	3
212	Upstream Data Inc.	3
213	Anchain.ai Inc.	3
214	Valassis Communications, Inc.	3
215	International Trust Machines Corporation	3
216	Peer Ledger Inc.	3
217	Gleipnir Technologies LLC	3
218	Emtruth, Inc.	3
219	Tenet 3, LLC	3
220	Leland Stanford Junior University	3
221	Smartaxiom, Inc.	3
222	Micro Focus Lcc	3
223	Rockwell Automation Technologies Incorporated	3
224	Dmg Blockchain Solutions, Inc.	3
225	Clarovia Holdings, LLC	3

#	Name	Patents
226	Bullish Global	3
227	Kure, LLC	3
228	Concord Technologies Inc.	3
229	Equifax Inc.	3
230	Aon Risk Services, Inc. of Maryland	3
231	Itron Gmbh	3
232	Theta Labs, Inc.	3
233	Infineon Technologies Ag	3
234	Battelle Memorial Institute	3
235	Pricewaterhousecoopers Llp	3
236	Nb Ventures, Inc.	3
237	Jpmorgan Chase Bank, N.a.	3
238	Nxm Labs, Inc.	3
239	Schneider Electric Industries Sas	3
240	Palo Alto Research Center Inc.	3
241	Xspero U.S.	3
242	Toyota Motor Engineering & Manufacturing North America, Inc.	3
243	Lenovo (singapore) Pte. Ltd.	3
244	Fortifid, Inc.	3
245	Providentia Worldwide, LLC	3
246	Acer Inc.	3
247	Speedchain, Inc.	3
248	Locatorx, Inc.	3
249	Metabora Co., Ltd.	3
250	Silver Rocket Data Technology (shanghai) Co., Ltd	3
251	Wandisco Inc.	3
252	Guangzhou University	3
253	Otis Elevator Company	3
254	Itext Group Nv	3
255	Lockheed Martin Corporation	3
256	Car Iq Inc.	3
257	Netiq Corporation	3
258	Oracle Financial Services Software Limited	3
259	Trend Micro Inc.	3
260	Hausman Properties, LLC	3
261	Shapeshift Ag	3
262	Avila Technology, LLC	3
263	Ranieri Ip, LLC	3
264	Mocana Corporation	3
265	Guardtime Sa	3
266	North Peak Resources Ltd.	3
267	Banjo Corporation	3
268	Proclus Technologies Limited	3
269	Shocard, Inc.	3
270	Lemon Inc.	2

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#	Name	Patents
271	Coin Metrics Inc.	2
272	Veritx Corp.	2
273	Secureworks, Inc.	2
274	Verasity Limited S.r.l.	2
275	Digicert, Inc.	2
276	Entefy Inc.	2
277	Avaworks, Incorporated	2
278	Google Inc.	2
279	Numéraire Financial, Inc.	2
280	Emanate Biomedical, Inc.	2
281	Humana Inc.	2
282	Carlsmed, Inc.	2
283	Ochain, LLC	2
284	Lottery Now, Inc.	2
285	At&t Intellectual Property Ii, L.p.	2
286	Wacom Co., Ltd.	2
287	Bloxtel Inc.	2
288	Blackstar Enterprises Group	2
289	Shanghai Lianshang Network Technology Co., Ltd.	2
290	Artema Labs, Inc	2
291	Poplar Technologies, Inc.	2
292	Safeflights Inc.	2
293	Hyundai Motor Company	2
294	Kia Motors Corporation	2
295	Fall Guy LLC	2
296	Amesite Inc.	2
297	Megachain Inc.	2
298	Telia Company Ab	2
299	Liquidapps Ltd	2
300	Diamond Standard Inc.	2
301	Eygs Llp	2
302	Frontage Road Holdings, LLC	2
303	Verint Americas Inc.	2
304	Volvo Car Corporation	2
305	Technologies Ip, LLC	2
306	First Genesis, Inc.	2
307	Green Market Square Limited	2
308	Rovi Guides, Inc.	2
309	Datchat, Inc.	2
310	Run Interactive, Inc.	2
311	Western Digital Technologies, Inc.	2
312	Champ Titles, Inc.	2
313	Siemens Healthcare Gmbh	2
314	Stichting Ip-oversight	2
315	Nexon Korea Corporation	2

#	Name	Patents
316	Metafyre Inc.	2
317	Atmps Ltd	2
318	Cch Incorporated	2
319	The Vanguard Group, Inc.	2
320	Sogang University Research Foundation	2
321	Unisys Corporation	2
322	Coinbase Crypto Services, Llc.	2
323	Cornell University	2
324	Schvey, Inc.	2
325	Bprotocol Foundation	2
326	Broadridge Financial Solutions, Inc.	2
327	Legacy Suite Inc	2
328	Pencildata, Inc.	2
329	Ascent Solutions Pte Ltd	2
330	1citadel Pte. Ltd.	2
331	Ceres Coin LLC	2
332	Vechain Foundation Limited	2
333	Igt Global Solutions Corporation	2
334	Circularise B.v.	2
335	Architecture Technology Corporation	2
336	Nagravision S.a.	2
337	Ai Bioelectronic Healthtech Co., Ltd.	2
338	Hrb Innovations, Inc.	2
339	Huazhong University of Science and Technology	2
340	Blocksafe Technologies, Inc.	2
341	Prosper Funding LLC	2
342	Ioxt, LLC	2
343	Ciena Corporation	2
344	Fujifilm Business Innovation Corp.	2
345	Myndshft Technologies, Inc.	2
346	Homium, LLC	2
347	Xilinx, Inc.	2
348	Finlink, Inc.	2
349	Facetec, Inc.	2
350	Splunk Inc.	2
351	Optum, Inc.	2
352	Research Foundation of the City University of New York	2
353	Prasaga Foundation	2
354	Cleartrace Technologies, Inc.	2
355	Ukci Holdings Limited	2
356	Lendingclub Bank, National Association	2
357	Bitaccess Inc.	2
358	Industry-academic Cooperation Foundation, Yonsei University	2
359	Nvidia Corporation	2
360	Bcdb, Inc.	2

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#	Name	Patents
361	Elementus Inc.	2
362	Zhiji Automotive Technology Co., Ltd.	2
363	Taliware, Inc.	2
364	Acuant, Inc.	2
365	Endress+hauserse+co. Kg	2
366	Whoborn Inc.	2
367	Disney Enterprises, Inc.	2
368	Hangzhou Qulian Technology Co., Ltd.	2
369	Etherweb Technologies LLC	2
370	Ellansalabs Inc.	2
371	Mydream Interactive, Inc.	2
372	Cognizant Technology Solutions India Pvt. Ltd.	2
373	Snplab Inc.	2
374	Quotient Technology Inc.	2
375	Currency Com Limited	2
376	Genesys Cloud Services, Inc.	2
377	Santa Clara University	2
378	Technion Research & Development Foundation Limited	2
379	Beijing University of Posts and Telecommunications	2
380	Skychain Co., Ltd.	2
381	Kabushiki Kaisha Toshiba	2
382	Dlt Global, Inc.	2
383	Nxgen Partners Ip, LLC	2
384	Iqvia Inc.	2
385	Trimble Transportation Enterprise Solutions, Inc.	2
386	First American Financial Corporation	2
387	Netease (hangzhou) Network Co., Ltd.	2
388	Doctrace, LLC	2
389	Uledger, Inc.	2
390	NumÉraire Financial, Inc.	2
391	Qomplx, Inc.	2
392	Protocol Labs, Inc.	2
393	Inspired Patents, LLC	2
394	Raytheon Company	2
395	Topia Technology, Inc.	2
396	Ivani, LLC	2
397	Usarad Holdings, Inc.	2
398	Aurign, Inc.	2
399	Bitflyer Blockchain, Inc.	2
400	Balanced Media Technology, LLC	2
401	Apifiny Group Inc.	2
402	Netsia, Inc.	2
403	Offstage Holdings, Inc.	2
404	Lo3 Energy Inc.	2
405	Transactive Grid Inc.	2

#	Name	Patents
406	Lucas Gc Limited	2
407	Skygrid, LLC	2
408	Piamond Corp.	2
409	Qed-it Systems Ltd.	2
410	Entrust Corporation	2
411	Ciphertrace, Inc.	2
412	A9.com, Inc.	2
413	Software Ag, Inc.	2
414	Sasken Technologies Ltd	2
415	Ogy Docs, Inc.	2
416	Seiko Epson Corporation	2
417	Bc Development Labs Gmbh	2
418	Blockpoint Systems Inc.	2
419	Zensar Technologies Limited	2
420	Toshiba Tec Kabushiki Kaisha	2
421	Protoblock, Inc.	2
422	Thunder Token Inc.	2
423	Watch Skins Corporation	2
424	Banco Bilbao Vizcaya Argentaria, S.a.	2
425	One Connect Smart Technology Co., Ltd. (shenzhen)	2
426	Exosite LLC	2
427	The University of Stavanger	2
428	Aware, Inc.	2
429	Eagency, Inc.	2
430	Science Applications International Corporation	2
431	Industrial Technology Research Institute	2
432	Nokia Solutions and Networks Oy	2
433	Countia, Llc.	2
434	Symbiont.io, Inc.	2
435	Verizon Media Inc.	2
436	Cygnetise Limited	2
437	Advanced Messaging Technologies, Inc.	2
438	Coinfirm Blockchain Lab Sp. Z O.o.	2
439	Gm Global Technology Operations LLC	2
440	United Services Automobile Association	2
441	Institute for Information Industry	2
442	Black Gold Coin, Inc.	2
443	Merck Sharp & Dohme Corporation	2
444	Td Professional Services, LLC	2
445	Digipharm Ltd	1
446	K4-security.co., Ltd	1
447	Web3 IP Holdings LLC	1
448	Orange	1
449	Baker Hughes Holdings LLC	1
450	Caerus Institute LLC	1

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#	Name	Patents
451	Kelvin Zero Inc.	1
452	Snap Inc.	1
453	Jiangsu Zhirong Energy Technology Co., Ltd.	1
454	Thinkrf Corporation	1
455	Skyscend, Inc.	1
456	Schneider Electric Systems Usa, Inc.	1
457	Data Alliance Co., Ltd.	1
458	Enduvo, Inc.	1
459	Monsoon Digital Pte Ltd.	1
460	Complexity Science Hub Vienna	1
461	Atlas Reality, Inc.	1
462	State Grid Beijing Electric Power Company	1
463	China Agricultural University	1
464	State Grid Corporation of China	1
465	Black Atom Technologies, Inc.	1
466	Anonydoxx, LLC	1
467	Ailia Sa	1
468	Margento R&d D.o.o	1
469	Tunego, Inc.	1
470	Airtime Networks, Inc.	1
471	Distro Energy B.v.	1
472	Ncr Voyix Corporation	1
473	Vechain Global Technology Sarl	1
474	Health Connect Global Limited	1
475	Mitsubishi Electric Research Laboratories, Inc.	1
476	Dicella Sp. Z O.o.	1
477	Tianjin University	1
478	Popology Megaverse LLC	1
479	Schlumberger Technology Corporation	1
480	Lourde Wright Holdings, LLC	1
481	Inje University Industry-cooperation Foundation	1
482	Pierce Aerospace Incorporated	1
483	Hpvc, LLC	1
484	Mend Medical, LLC	1
485	Zhejiang University City College	1
486	Zhejiang Gongshang University	1
487	Insititute of Information Engineering, Cas	1
488	Zhejiang Ponshine Information Technology Co., Ltd.	1
489	Georgia Tech Research Corporation	1
490	Inventec Appliances (pudong) Corporation	1
491	Inventec Appliances (shanghai) Co., Ltd.	1
492	Inventec Appliances Corporation	1
493	Cypheme	1
494	Voteapp, Inc.	1
495	Hangzhou Rivtower Technology Co., Ltd	1

#	Name	Patents
496	International Bisuness Machines Corporation	1
497	Zerynth S.p.a.	1
498	Compound Labs, Inc.	1
499	Schlage Lock Company LLC	1
500	Nufiat Technologies Limited	1
501	Farad Technologies Group, LLC	1
502	Deixis, Pbc	1
503	Real Title Block, LLC	1
504	Southeast University	1
505	Venturos Inc.	1
506	Simplecredit Micro-lending Co., Ltd.	1
507	Janssen Biotech, Inc.	1
508	Advanced Micro Devices Corporation	1
509	Double Jump.tokyo Inc.	1
510	Blue Yonder Group, Inc.	1
511	Worldline	1
512	Xerox Corporation	1
513	Common Computer Inc.	1
514	Desilo Inc	1
515	University of Electronic Science and Technology of China	1
516	Csp Inc.	1
517	Inmar Clearing, Inc.	1
518	Merqube, Inc.	1
519	Digimarc Corporation	1
520	Beijing Jingdong Zhenshi Information Technology Co., Ltd.	1
521	The Auto Club Group	1
522	Miovision Technologies Incorporated	1
523	Conio Inc.	1
524	Lukka Poland Sp. Z O.o.	1
525	Yocto Technologies, S.l.	1
526	Thomson Reuters Enterprise Centre Gmbh	1
527	Hyland Software Inc.	1
528	Ceremorphic, Inc.	1
529	Cube Security Inc.	1
530	Blockchain Systems Pte. Ltd.	1
531	The Flowchain Foundation Limited	1
532	Pufsecurity Corporation	1
533	Xi'an University of Posts and Telecommunications	1
534	Xi'an Anmeng Intelligent Technology Co., Ltd.	1
535	Decentralized Wireless Foundation, Inc.	1
536	Viet Nam National University Ho Chi Minh City	1
537	International University (iu)—vietnam National University Hcm City	1
538	Liveramp, Inc.	1
539	The Pitroda Group Llc.	1
540	Collectory S.a R.l.	1

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#	Name	Patents
541	Veri Labs, Inc.	1
542	Inspur Suzhou Intelligent Technology Co., Ltd	1
543	Foundation of Soongsil University-industry Cooperation	1
544	Siemens Industry, Inc.	1
545	Meddamark, Inc.	1
546	Beijing Boe Technology Development Co., Ltd.	1
547	Boe Technology Group Co., Ltd. China	1
548	Nok Nok Labs, Inc.	1
549	Mitel Networks Corporation	1
550	Jfrog, Ltd.	1
551	The United States of America, As Represented by the Secretary of the Navy	1
552	Dauntless Labs, LLC	1
553	Health2047, Inc.	1
554	Shanghai Newdon Technology Co., Ltd.	1
555	China Mobile Communication Co., Ltd Research Inst	1
556	China Mobile Communications Group Co., Ltd.	1
557	Dish Wireless L.l.c.	1
558	Pure Storage, Inc.	1
559	Barclays Execution Services Limited	1
560	Unified Sentinel Data Networks LLC	1
561	Blockjoy, Inc.	1
562	Toposware, Inc.	1
563	Icomply Investor Services Inc.	1
564	Booz Allen Hamilton Inc.	1
565	Equinix, Inc.	1
566	Quant Network Ltd.	1
567	Arknet Inc.	1
568	Outcomemd, Inc.	1
569	Atombeam Technologies Inc.	1
570	Ocelot Technologies, Inc.	1
571	Reliance Jio Infocomm Incorporated	1
572	Phunware, Inc.	1
573	Veriblock, Inc.	1
574	Gad Research, LLC	1
575	Abaxx Technologies Corp.	1
576	Biogy, Inc.	1
577	Inje University Industry-academic Cooperation Foundation	1
578	Challenger Deep Sas	1
579	The Joan and Irwin Jacobs Technion-cornell Institute	1
580	"enkri Holding", Limited Liability Company	1
581	Epic Semiconductors Inc	1
582	Cryptosoft Inc.	1
583	Huawei Cloud Computing Technologies Co., Ltd.	1
584	Tollen Software Limited	1
585	Hangzhou Vastchain Technology Co., Ltd	1

#	Name	Patents
586	Attn.live LLC	1
587	Ideal Innovations Incorporated	1
588	Virtusa Corporation	1
589	Fintainium, Inc.	1
590	Golden State Foods Corporation	1
591	Gearlay Technologies Inc.	1
592	Hive and Hamlet Inc.	1
593	Ramsee 1, LLC	1
594	Gractor Co., Ltd.	1
595	Korea Energy Convergence Association	1
596	Station Casinos, Inc.	1
597	Sivira Inc.	1
598	Gmo Globalsign, Inc.	1
599	Humbility Uab	1
600	Gram Tactical LLC	1
601	Pj Hammer Corporation	1
602	Optdyn, Inc.	1
603	Youngblood IP Holdings, LLC	1
604	Research Blocks Technologies, Inc.	1
605	Yoti Holding Limited	1
606	G6 Materials Corp.	1
607	Nanjing University of Science and Technology	1
608	Algemetric, Inc.	1
609	Triplecyber Corp.	1
610	Crown Sterling Limited, LLC	1
611	Progrexion Ip, Inc.	1
612	Carbon-block Inc.	1
613	Mettler-toledo (changzhou) Precision Instruments Ltd.	1
614	Mettler Toledo (changzhou) Measurement Technology Ltd.	1
615	Mettler-toledo International Trading (shanghai) Co., Ltd.	1
616	Tecnotree Technologies, Inc.	1
617	Icncast Co., Ltd	1
618	Siemens Ltd., China	1
619	Omnitracs, LLC	1
620	Sri International	1
621	Core Scientific Operating Company	1
622	Altimedia Corporation	1
623	Trade Collaboration Engine, LLC	1
624	Jadu Ar Inc.	1
625	Blocknative Corporation	1
626	Rheinisch-westfÄlische Technische Hochschule (rwth) Aachen	1
627	Comcast Cable Communications, LLC	1
628	Align Technology, Inc.	1
629	Assa Abloy Ab	1
630	Polysign, Inc.	1

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#	Name	Patents
631	Emory University	1
632	Novnet Computing System Tech Co., Ltd.	1
633	Unify Patente Gmbh & Co. Kg	1
634	Motional Ad LLC	1
635	Gtd Solution Inc.	1
636	Brave Software, Inc.	1
637	Tergo, LLC	1
638	Farmer Connect Sa	1
639	Zobocoo LLC	1
640	New York University	1
641	Onespan Canada Inc.	1
642	T Stamp Inc.	1
643	Northrop Grumman Systems Corporation	1
644	Avrohom Meir Gluck	1
645	Digipraise LLC	1
646	Edatanetworks Inc.	1
647	01 Communique Laboratory Inc.	1
648	Talen Summit Holdings Limited	1
649	Openct, Ag	1
650	Nanthealth, Inc.	1
651	Health Blockchain Convergence, Inc.	1
652	Philips North America LLC	1
653	Consensus Cloud Solutions, LLC	1
654	University of Arkansas	1
655	Membrane Labs Inc.	1
656	Ixup IP Pty Ltd	1
657	Theon Technology LLC	1
658	Mitsubishi Electric Corporation	1
659	Veiovia Ltd.	1
660	Springcoin, Inc.	1
661	Waly Cash Inc.	1
662	Blockchain Labs Inc.	1
663	Dia Association	1
664	Stream Source Technologies	1
665	L4s Corp.	1
666	Hashlynx Inc.	1
667	Sogang University Research & Business Development Foundation	1
668	Einstein Technologies Inc.	1
669	Billon Group Limited	1
670	Sneakertopia Inc.	1
671	Progress Rail Locomotive Inc.	1
672	Medibloc Co., Ltd.	1
673	Source Ltd.	1
674	Ant Blockchain Technology (shanghai) Co., Ltd.	1
675	Soonchunhyang University Industry Academy Cooperation Foundation	1

#	Name	Patents
676	Iq Universe Inc.	1
677	Deedstack, Inc.	1
678	Knoetik Solutions, Inc.	1
679	Liquidsports, Inc.	1
680	Hcl Technologies Limited	1
681	Audi Ag	1
682	Intralinks, Inc.	1
683	Goldman Sachs & Company	1
684	Lockular Limited	1
685	Aldelo, LP	1
686	Rolls-royce Corporation	1
687	Rolls-royce North American Technologies Inc.	1
688	Massachusetts Institute of Technology	1
689	Electricite De France	1
690	Eight Plus Ventures, LLC	1
691	City University of Hong Kong	1
692	Minuteman Capital LLC	1
693	Fair Isaac Corporation	1
694	Fidelity Information Services, LLC	1
695	Cowry Inc.	1
696	Milestone Entertainment, LLC	1
697	Quantum Digital Solutions Corporation	1
698	Crackle, Inc.	1
699	E-nome Pty Ltd	1
700	Cloudminds Robotics Co., Ltd.	1
701	Galena Hills Inc.	1
702	Plc Group Ag	1
703	Player Tokens, Inc.	1
704	Ingenium Blockchain Tech Srl	1
705	Tbol, Inc.	1
706	Shanghai Weierlijie Network Technology Development Co., Ltd.	1
707	D3d Co., Ltd.	1
708	Safran Passenger Innovations, LLC	1
709	Divi Labs and Technologies Sociedad Anonima	1
710	Issured Limited	1
711	Home Lending Pal, Inc.	1
712	Consensys Software Inc.	1
713	Agora Altx	1
714	Chongqing Jinvovo Network Technology Co., Ltd.	1
715	Li Zhan (shanghai) Technology Co., Ltd.	1
716	University of Florida Research Foundation, Incorporated	1
717	Virginia Commonwealth University	1
718	Veracode, Inc.	1
719	Two Six Labs, LLC	1
720	Maatadata, Inc.	1

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#	Name	Patents
721	Bengala Technologies, LLC	1
722	Bitmark, Inc.	1
723	Shanghai Tree-graph Blockchain Research Institute	1
724	Xidian University	1
725	Zhejiang University	1
726	Lenovo Enterprise Solutions (singapore) Pte. Ltd.	1
727	Xi'an Jiaotong University	1
728	Vamware, Inc.	1
729	Causam Enterprises, Inc.	1
730	Raytheon Technologies Corporation	1
731	Aenco Technologies Limited	1
732	Dishefs LLC	1
733	Hexagon Technology Center Gmbh	1
734	Prince Sultan University	1
735	Logicmatter, Inc.	1
736	Renmin University of China	1
737	Anqing Normal University	1
738	Rigetti & Co, LLC	1
739	Saudi Arabian Oil Company	1
740	Compellio S.a.	1
741	Luther Systems US Incorporated	1
742	Proof-of-search K.k.	1
743	Geeq Corporation	1
744	Pasig and Hudson, Pvt Limited	1
745	Forte Labs, Inc.	1
746	Blockchain Innovation, LLC	1
747	Eversus International Limited	1
748	Biometric Blockchain, LLC	1
749	Ceregate Gmbh	1
750	Firstblood Technologies, Inc.	1
751	Ai Bioelectronic Healthcare Co., Ltd.	1
752	Haventec Pty Ltd	1
753	Dunamu Inc.	1
754	Lambda256	1
755	Meta Platforms, Inc.	1
756	Jambb Inc.	1
757	Technische Universitat Berlin	1
758	Provide Technologies, Inc.	1
759	Infiltron Holdings, Inc.	1
760	Tianjin University of Technology	1
761	Salt Blockchain Inc.	1
762	Patientmd, Inc.	1
763	Omega Grid, LLC	1
764	Mastercard Internatioanl Incorporated	1
765	Toshiba Digital Solutions Corporation	1

#	Name	Patents
766	Indian Institute of Technology Bombay	1
767	National Applied Research Laboratories	1
768	Avaya Management L.p.	1
769	Cloud Raxak, Inc.	1
770	Bottomline Technologies (de) Inc.	1
771	Vertru Technologies Inc.	1
772	Domus Tower, Inc.	1
773	Avila Security Corporation	1
774	LG Electronics Inc.	1
775	L'oreal	1
776	Algorand, Inc.	1
777	Blockchain It Solutions Pty Ltd	1
778	Oracle Lnternational Corporation	1
779	Washington University	1
780	Prescryptive Health, Inc.	1
781	Aitivity Inc.	1
782	Icoin Technology, Inc.	1
783	Coracias Advanced Technologies LLC	1
784	Toffee Merger Sub Ii, LLC	1
785	Schweitzer Engineering Laboratories, Inc.	1
786	The Data Economics Company	1
787	Alldigital Specialty Insurance	1
788	Q Power LLC	1
789	Lendoit Technologies Israel Ltd.	1
790	Mercedes-benz Group Ag	1
791	At&t Global Network Services Hong Kong Ltd	1
792	Ledgendd Technologies Inc.	1
793	Tracelink, Inc.	1
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795	Guangdong University of Technology	1
796	3m Innovative Properties Company	1
797	Mclane Company, Inc.	1
798	Mallservice Inc.	1
799	Questaweb Holdings Inc.	1
800	Infomed Viet Nam	1
801	Lenovo (beijing) Co., Ltd.	1
802	Marlabs Incorporated	1
803	Xenial, Inc.	1
804	Trisk.io, Inc.	1
805	Tohoku University	1
806	Thermo Electron Scientific Instruments Corporation	1
807	Scenarex Inc.	1
808	Avery Dennison Retail Information Services, LLC	1
809	Jeju National University Industry-academic Cooperation Foundation	1
810	Prostep Ag	1

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811	Dr. Ing. H.c. F. Porsche Aktiengesellschaft	1
812	Rubidex, LLC	1
813	Blueowl, LLC	1
814	Crypto Lab Inc.	1
815	Safetech Bv	1
816	Thrive Bioscience, Inc.	1
817	Peoplebrowsr Inc.	1
818	Gauntlet Networks, Inc.	1
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821	Ping an Technology (shenzhen) Co., Ltd.	1
822	Barlea Corporation	1
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824	Hong Kong Baptist University	1
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826	Virtustream IP Holding Company LLC	1
827	Quantum Lock, Inc.	1
828	Vineti Inc.	1
829	Arizona Board of Regents on Behalf of Northern Arizona University	1
830	Prometheus8	1
831	Bayerische Motoren Werke Aktiengesellschaft	1
832	Walgreen Company	1
833	Everseen Limited	1
834	Qbrics, Inc.	1
835	Penta Security Systems Inc.	1
836	Oraichain Pte. Ltd.	1
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838	Ez-trust Co., Ltd.	1
839	Line Plus Corporation	1
840	Change Healthcare Holdings, LLC	1
841	Nhn Entertainment Corporation	1
842	Swempire Co., Ltd.	1
843	Probloch LLC	1
844	Bbm Health LLC	1
845	Beijing Kingsoft Internet Security Software Co., Ltd.	1
846	Synergex Group	1
847	Pham Holdings, Inc.	1
848	Panasonic Avionics Corporation	1
849	J2 Cloud Services, LLC	1
850	Nokia of America Corporation	1
851	Cloudcover Ip, LLC	1
852	United States Automobile Association (usaa)	1
853	Fundacja "blockchain Development Foundation"	1
854	Htc Corporation	1
855	S&p Global Inc.	1

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856	Moog Gmbh	1
857	Endress + Hauser Process Solutions Ag	1
858	Purdue Research Foundation	1
859	Bitclave Pte. Ltd.	1
860	Pocketful of Quarters, Inc.	1
861	Facebook, Inc.	1
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866	Artrigger Inc.	1
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868	Greenberg & Lieberman, LLC	1
869	Alpha Motor Corporation	1
870	Affle (india) Limited	1
871	Commonwealth Scientific and Industrial Research Organisation	1
872	Motion Matters Inc.	1
873	Health Vector LLC	1
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878	Green It Korea Co., Ltd.	1
879	Bundesdruckerei Gmbh Kommandantenstrasse 18	1
880	Sarcos Corp.	1
881	The Florida International University Board of Trustees	1
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883	Anapp Technologies Limited	1
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885	Zeronorth, Inc.	1
886	Chunghwa Telecom Co., Ltd.	1
887	Nakamoto & Turing Labs Inc	1
888	Ut-battelle, Inc.	1
889	S&s Crypto Technologies	1
890	Celltrust Corporation	1
891	Blocx LLC	1
892	Storecoin Inc.	1
893	University of Akron	1
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902	Marlabs Innovations Private Limited	1
903	Couponco Ltd	1
904	Airbus Helicopters	1
905	Vertigo Studios, LLC	1
906	Mox-speedchain, LLC	1
907	Bedrock Capital Limited	1
908	Identitii Pty Ltd	1
909	Lehr Holdings, Inc.	1
910	Peking University	1
911	Applied Materials, Inc.	1
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913	Imageware Systems, Inc.	1
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916	University of Illinois	1
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918	Verasity Foundation Company Limited	1
919	Chromata Corporation	1
920	Big Time Studios Ltd.	1
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922	Nutanix, Inc.	1
923	Revolt Cypher, LLC	1
924	Voice Life Inc.	1
925	T-mobile Lnnovations LLC	1
926	Kadena LLC	1
927	Helium Systems, Inc.	1
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930	The Curators of the University of Missouri	1
931	Loyyal Corporation	1
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937	Data Republic Pty Ltd	1
938	Airtime Network, Inc.	1
939	Apotheka Systems Inc.	1
940	National Technology & Engineering Solutions of Sandia, LLC	1
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945	Causam Energy, Inc.	1

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947	Coral Protocol	1
948	Open Invention Network LLC	1
949	Idemia Identity & Security France	1
950	Standard Transaction Co., Ltd.	1
951	Citizen Hex Inc.	1
952	R-stor Inc.	1
953	Bloomio Ag	1
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958	Motorola Solutions, Inc.	1
959	Arm IP Limited	1
960	Konica Minolta Laboratory U.s.a., Inc.	1
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989	Gcp IP Holdings I, LLC	1
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122	Ortiz & Lopez, PLLC	8
123	Luis M. Ortiz	8
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125	Klarquist Sparkman, LLP	8
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128	Michael A. Petrocelli	7
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141	Baker Botts L.L.P.	7
142	Mattingly & Malur, PC	7
143	Labyrinth Law PLLC	7
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146	Kraguljac Law Group, LLC	6
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150	Canon U.S.A., Inc. IP Division	6
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175	Molly L. Sauter	6
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184	NixonPeabody, LLP	5
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202	Idea Intellectual Limited	5
203	Margaret A Burke	5
204	Sam T Yip	5
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223	Eckert Seamans Cherin & Mellott, LLC	5
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228	Smith Baluch LLP	4
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231	Plager Schack LLP	4
232	Mark H Plager	4
233	Messner Reeves LLP	4
234	Meunier Carlin & Curfman LLC	4
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236	Christopher J. Forstner	4
237	John A. Morrissett	4
238	Dinsmore&Shohl, LLP	4
239	Whitaker Chalk Swindle & Schwartz PLLC	4
240	Berkeley Law & Technology Group, LLP	4
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258	Daniel E. Sineway, Esq.	4
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264	Baker & McKenzie LLP	4
265	Brian S. Boon	4
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276	Nicholas C. Russell	4
277	Dergosits & Noah LLP	4
278	Todd A Noah	4
279	James C. Edwards	4
280	Muirhead and Saturnelli, LLC	4
281	Philip E. Levy	4
282	Joseph Petrokaitis	4
283	Lieberman & Brandsdorfer, LLC	4
284	Hickman Palermo Becker Bingham LLP	4
285	Eric L. Sophir	4
286	Squire Patent Consulting & IP Law LLC	3
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288	Reed Smith LLP	3
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296	Stephen Hallberg	3
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309	Fountainhead Law Group P.C.	3
310	Jonathan Torchman	3
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313	Michael O'Keefe	3
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363	Bradley C. Fach	3
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396	Woods Oviatt Gilman LLP	2
397	Katherine H. McGuire, Esq.	2
398	Robert R. Aragona	2
399	Baratta Law PLLC	2
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402	Gary W. Grube	2
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408	Ran Pang	2
409	Andrew M. Calderon	2
410	Calderon Safran & Cole, P.C.	2
411	Sorell, Lenna & Schmidt, LLP	2
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448	NSIP Law	2
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454	Danielson Legal LLC	2
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533	David Postolski, Esq.	2
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635	Innovation Counsel LLP	1
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637	Gerard A. Messina	1
638	Allen, Dyer, Doppelt + Gilchrist, P.A. Attorneys at Law	1
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640	Digimarc Corporation	1
641	Stuart T. Auvinen	1
642	CPST Intellectual Property Inc.	1
643	Brett J. Slaney	1
644	Peter Martinez	1
645	Juan Vazquez	1
646	Rutan & Tucker, LLP	1
647	Hani Z. Sayed	1
648	Ravi Mohan	1
649	Derek Clements	1
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653	Jay A. Chesavage	1
654	Anton J. Hopen	1
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656	Bond, Schoeneck & King, PLLC	1
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677	TIPS Group	1
678	Carlson, Caspers, Vandenburgh & Lindquist, P.A.	1
679	Joseph Zane	1
680	Jack V. Musgrove	1
681	Patent GC LLC	1
682	Pinnacle IP Strategies, LLC	1
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684	Occhiuti & Rohlicek LLP	1
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686	Michael D. Eisenberg	1
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688	Brian Hennessey	1
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690	Lamon Patent Services	1
691	H. John Rizvi	1
692	John Rizvi, P.A.-The Patent Professor®	1
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698	Key IP Law Group, PLLC	1
699	Patent Law Works LLP	1
700	Bret E Field	1
701	Bozicevic, Field & Francis LLP	1
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711	EpiMED LLC	1
712	Stephen M. Hou	1
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715	Cochran Freund & Young LLC	1
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718	Stein IP, LLC	1
719	David B. Woycechowsky	1
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722	Chad Hammerlind	1
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724	Trace H. Jackson	1
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727	Taylor English Duma LLP	1
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731	KW Law, LLP	1
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735	Patent Law Group: Atkins and Associates, P.C.	1
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737	United One Law Group LLC	1
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740	McCracken & Gillen LLC	1
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744	DeSandro Law Group PLLC	1
745	Lanway IPR Services	1
746	Newport IP, LLC	1
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748	Mueting Raasch Group	1
749	Weaver IP L.L.C.	1
750	Outlier Patent Attorneys	1
751	Mughal IP P.C.	1
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753	Birch, Stewart, Kolasch & Birch, LLP	1
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755	Cuenot, Forsythe & Kim, LLC	1
756	Jordan T. Schiller	1
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758	Daniel G. Vivarelli, Jr.	1
759	Miyoung Shin	1
760	Newman Law, LLC	1
761	Andrew M. Metrailer	1
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764	Ostrager Chong Flaherty & Broitman P.C.	1
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766	Yongsok Choi, Esq.	1
767	Michael P. Dunnam	1
768	Gregory M. Howison	1
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770	Eandi Fitzpatrick LLP	1
771	Thomas E. Anderson	1
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773	Emmanuel A. Rivera	1
774	Laurence A. Greenberg	1
775	Werner H. Stemer	1
776	Ralph E. Locher	1
777	SoCal IP Law Group LLP	1
778	Steven C. Sereboff	1
779	Adam J. Thompson, Esq.	1
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782	Wayne Edward Ramage	1
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784	Kenneth Kwan	1
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801	Chandler Scheitlin	1
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805	JW Law Group	1
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807	Armis IP Law, LLC	1
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810	Torrey Pines Law Group, PC	1

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814	Joseph Bach, Esq.	1
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819	Fogarty LLP	1
820	Barak Cohen, Esq.	1
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823	Schlee IP International, P.C.	1
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1,033	Randall Bluestone	1
1,034	Nicholas D. Bowman	1
1,035	Hunter E. Webb	1

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1,036	Madelynne J. Farber	1
1,037	Mark A. Dodd	1
1,038	Daniel C. Housley	1
1,039	Meagher Emanuel Laks Goldberg & Liao, LLP	1
1,040	Adler Pollock & Sheehan P.C.	1
1,041	Garg Law Firm, PLLC	1
1,042	Rakesh Garg	1
1,043	Suiter Swantz pc llo	1
1,044	Soquel Group LLC	1
1,045	Mariel Kapouytuab Woods LLP	1
1,046	Liange Huang	1
1,047	Gregory B. Gulliver	1
1,048	The Roy Gross Law Firm LLC	1
1,049	Roy Gross	1
1,050	John Rauch	1
1,051	Michael Glenn	1
1,052	R. Whitney Johnson	1
1,053	Jeffrey R. Gray	1
1,054	Squire Patton Boggs (US) LLP	1
1,055	Michael P Shepherd	1
1,056	Alexander Berg	1
1,057	Robert J. Sacco	1
1,058	Olav M. Underdal	1
1,059	IDP Patent Services	1
1,060	Daniel D. Hill	1
1,061	ChenYoshimura LLP	1
1,062	Ira Stickler, Esq.	1
1,063	Che-Yang Chen	1
1,064	Law Office of Michael Chen	1
1,065	Maya Medeiros	1
1,066	Vazken Alexanian	1
1,067	David Chin	1
1,068	LK Global	1
1,069	Stuart H. Mayer	1
1,070	Tope-McKay & Associates	1
1,071	Jon E. Gordon	1
1,072	Haug Partners LLP	1
1,073	Nguyen Tarbet LLC	1
1,074	Middleton Reutlinger	1
1,075	Vierra Magen Marcus LLP	1
1,076	Sean F. Mellino	1
1,077	D. Peter Hochberg	1
1,078	Sanchelima & Associates, PA.	1
1,079	Christian Sanchelima	1
1,080	Jesus Sanchelima	1

ATTORNEYS

#	Name	Patents
1,081	Law Office of Robert Rose	1
1,082	Osha Liang LLP	1
1,083	Tina T. Wang	1
1,084	Egan Peterman Enders Huston	1
1,085	Stephen Guzzi	1
1,086	Michelle Carniaux	1
1,087	Roberts Mlotkowski Safran Cole & Calderon, P.C.	1
1,088	David Willoughby	1
1,089	Schwabe, Williamson & Wyatt, PC.	1
1,090	Karl L. Larson	1
1,091	Heedong Chae	1
1,092	Lucem, PC	1
1,093	Pepper Hamilton LLP	1
1,094	ePatentManager.com	1
1,095	Guerry L. Grune	1
1,096	Barlow, Josephs & Holmes, Ltd.	1
1,097	Edward J. Wixted, III	1
1,098	David R. Burns	1
1,099	Vector IP Law Group	1
1,100	Robert S. Babayi	1
1,101	Alexander G. Jochym	1
1,102	James De Vellis	1
1,103	Ingrid M. Foerster	1
1,104	SVL IPLaw	1
1,105	Rahan Uddin	1
1,106	Vincent G. LoTempio	1
1,107	Kloss, Stenger & LoTempio	1
1,108	David T. Stephenson	1
1,109	Zheng "Andy" Liu	1
1,110	Blueshift IP, LLC	1
1,111	Robert Plotkin	1
1,112	Andre J. Bahou	1
1,113	Christopher T. McNeill	1
1,114	Jose A. Medina-Cruz	1
1,115	Adesro IP	1
1,116	Daniel Morris	1
1,117	Michael B. Fein	1
1,118	Zheng Liu	1
1,119	Weintraub Tobin	1
1,120	Patrick B. Horne	1
1,121	Cotman IP Law Group, PLC	1
1,122	John W. Branch	1
1,123	Lowe Graham Jones PLLC	1
1,124	San Diego IP Law Group LLP	1
1,125	Trevor Coddington	1

LOCATIONS

#	Location	Patents
1	Hangzhou, CN	1,534
2	London, GB	448
3	Bengaluru, IN	355
4	San Francisco, CA (US)	354
5	Beijing, CN	345
6	Bloomington, IL (US)	287
7	Shenzhen, CN	273
8	New York, NY (US)	268
9	Seoul, KR	203
10	San Jose, CA (US)	192
11	Austin, TX (US)	189
12	Zhejiang, CN	143
13	Singapore, SG	128
14	Tokyo, JP	125
15	Shanghai, CN	125
16	Yorktown Heights, NY (US)	119
17	Raleigh, NC (US)	104
18	Palo Alto, CA (US)	85
19	Seattle, WA (US)	83
20	Normal, IL (US)	81
21	Atlanta, GA (US)	80
22	Portland, OR (US)	76
23	San Ramon, CA (US)	76
24	Cary, NC (US)	72
25	San Antonio, TX (US)	68
26	Phoenix, AZ (US)	68
27	Chennai, IN	67
28	Mountain View, CA (US)	66
29	New Delhi, IN	66
30	Brooklyn, NY (US)	64
31	Daejeon, KR	64
32	Las Vegas, NV (US)	64
33	Durham, NC (US)	64
34	Toronto, CA	63
35	Champaign, IL (US)	63
36	Cupertino, CA (US)	60
37	Chicago, IL (US)	60
38	Chenoa, IL (US)	59
39	Pune, IN	59
40	Hyderabad, IN	56
41	Santa Clara, CA (US)	56
42	Gyeonggi-do, KR	54
43	Haryana, IN	53
44	Oakland, CA (US)	53
45	Haifa, IL	52

#	Location	Patents
46	Heyworth, IL (US)	51
47	Saratoga, CA (US)	48
48	Los Angeles, CA (US)	48
49	Rome, IT	48
50	Seongnam-si, KR	48
51	Foster City, CA (US)	46
52	Hong Kong, CN	46
53	Taipei, TW	46
54	San Mateo, CA (US)	45
55	Mount Kisco, NY (US)	45
56	Heidelberg, DE	45
57	Vancouver, CA	45
58	Denver, CO (US)	44
59	Johns Creek, GA (US)	44
60	Dublin, IE	43
61	Yokosuka, JP	43
62	Tel Aviv, IL	43
63	Sunnyvale, CA (US)	42
64	Beaverton, OR (US)	42
65	Arlington, VA (US)	39
66	Zurich, CH	39
67	Elmsford, NY (US)	38
68	Downs, IL (US)	37
69	Nairobi, KE	37
70	Utica, IL (US)	37
71	White Plains, NY (US)	37
72	Moscow, RU	37
73	Cambridge, GB	36
74	Round Rock, TX (US)	36
75	Alpharetta, GA (US)	36
76	Chengdu, CN	36
77	Redmond, WA (US)	36
78	Berlin, DE	34
79	Cambridge, MA (US)	34
80	Plano, TX (US)	34
81	Guangdong, CN	34
82	Birmingham, MI (US)	34
83	Houston, TX (US)	33
84	Saint Peters, MO (US)	33
85	Chandigarh, IN	33
86	Los Altos, CA (US)	32
87	Luxembourg, LU	32
88	Dallas, TX (US)	32
89	Buenos Aires, AR	31
90	Juan-les-Pins, FR	31

LOCATIONS

#	Location	Patents
91	Mumbai, IN	30
92	Zürich, CH	30
93	Mountain View, MO (US)	29
94	Marietta, GA (US)	29
95	Guangzhou, CN	29
96	Boise, ID (US)	29
97	Karnataka, IN	29
98	Poughkeepsie, NY (US)	27
99	McLean, VA (US)	27
100	Rajasthan, IN	26
101	Kolkata, IN	26
102	O'Fallon, MO (US)	25
103	San Diego, CA (US)	25
104	Roundrock, TX (US)	25
105	Irvine, CA (US)	24
106	Rueschlikon, CH	24
107	Ashburn, VA (US)	24
108	Fremont, CA (US)	24
109	Charlotte, NC (US)	24
110	Kawasaki, JP	23
111	Milpitas, CA (US)	23
112	Springfield, MA (US)	22
113	Edison, NJ (US)	22
114	New Taipei, TW	22
115	Issaquah, WA (US)	22
116	Dublin, CA (US)	21
117	Sherman Oaks, CA (US)	21
118	Nanjing, CN	21
119	Scottsdale, AZ (US)	21
120	Lexington, MA (US)	21
121	Munich, DE	20
122	Bellevue, WA (US)	20
123	Ottawa, CA	20
124	Niskayuna, NY (US)	20
125	Morrisville, NC (US)	20
126	Hoboken, NJ (US)	20
127	Boston, MA (US)	19
128	Mississauga, CA	18
129	Waterloo, CA	18
130	Suwon-si, KR	18
131	Bentonville, AR (US)	18
132	Irving, TX (US)	18
133	Osaka, JP	18
134	Rogers, AR (US)	18
135	Tampa, FL (US)	18

#	Location	Patents
136	Satellite Beach, FL (US)	18
137	Berkeley, CA (US)	17
138	Savoy, IL (US)	17
139	New Brunswick, NJ (US)	17
140	Princeton, NJ (US)	17
141	Ridgefield, CT (US)	17
142	Gurgaon, IN	16
143	Delhi, IN	16
144	Schaumburg, IL (US)	16
145	Washington, DC (US)	16
146	San Carlos, CA (US)	16
147	Evanston, IL (US)	16
148	Culver City, CA (US)	15
149	Uttar Pradesh, IN	15
150	Leander, TX (US)	15
151	Kanagawa, JP	15
152	Frisco, TX (US)	15
153	Palatine, IL (US)	15
154	Alexandria, VA (US)	15
155	Xi'an, CN	15
156	Littleton, CO (US)	15
157	Rochester, MN (US)	15
158	Stamford, CT (US)	14
159	Mission Hills, KS (US)	14
160	Fairfax, VA (US)	14
161	Walnut Creek, CA (US)	14
162	Louisville, KY (US)	14
163	Boca Raton, FL (US)	14
164	Peoria, AZ (US)	14
165	Sammamish, WA (US)	14
166	Placentia, CA (US)	14
167	Northglenn, CO (US)	14
168	Taoyuan, TW	14
169	Miami, FL (US)	13
170	Anhui, CN	13
171	Musashino, JP	13
172	Irvington, NY (US)	13
173	Orinda, CA (US)	13
174	Georgetown, TX (US)	13
175	Ann Arbor, MI (US)	12
176	Menlo Park, CA (US)	12
177	Los Gatos, CA (US)	12
178	Cracow, PL	12
179	Kirkland, WA (US)	12
180	Barcelona, ES	12

LOCATIONS

#	Location	Patents
181	Apex, NC (US)	12
182	Grants Pass, OR (US)	12
183	Franklin, TN (US)	12
184	Broomfield, CO (US)	12
185	Dunwoody, GA (US)	12
186	Pasadena, CA (US)	12
187	Costa Mesa, CA (US)	12
188	Silver Spring, MD (US)	12
189	Campbell, CA (US)	12
190	McKinney, TX (US)	12
191	Gainesville, FL (US)	12
192	Kangasala, FI	12
193	New Fairfield, CT (US)	11
194	Henderson, NV (US)	11
195	Roswell, GA (US)	11
196	Jersey City, NJ (US)	11
197	Scarsdale, NY (US)	11
198	Wilmington, MA (US)	11
199	Bothell, WA (US)	11
200	Redwood City, CA (US)	11
201	Ithaca, NY (US)	11
202	Overland Park, KS (US)	11
203	Herndon, VA (US)	11
204	Hillsboro, OR (US)	11
205	Wuhan, CN	11
206	Union City, CA (US)	10
207	Georgetown, KY	10
208	Flower Mound, TX (US)	10
209	Beer Sheva, IL	10
210	Newport Beach, CA (US)	10
211	Mackinaw, IL (US)	10
212	Weston, FL (US)	10
213	Succasunna, NJ (US)	10
214	Punjab, IN	10
215	Yokohama, JP	10
216	Kitchener, CA	10
217	Paris, FR	10
218	Maynooth, IE	10
219	Grenoble, FR	10
220	Hampshire, GB	10
221	Antibes, FR	10
222	Tainan, TW	10
223	Chevy Chase, MD (US)	9
224	Tacoma, WA (US)	9
225	Naperville, IL (US)	9
226	Reno, NV (US)	9
227	Tianjin, CN	9
228	Port Orchard, WA (US)	9
229	Charles Town, WV (US)	9
230	Leesburg, VA (US)	9
231	Cape Elizabeth, ME (US)	9
232	Miaoli County, TW	9
233	Spokane, WA (US)	9
234	Pleasanton, CA (US)	9
235	Chandler, AZ (US)	9
236	Nara, JP	9
237	Roque Perez, AR	9
238	Riverdale, GA (US)	9
239	Woodstock, GA (US)	9
240	Portola Valley, CA (US)	9
241	Potsdam, DE	9
242	Bangalore Karnataka, IN	9
243	Murphy, TX (US)	9
244	Yamato, JP	9
245	Mulhuddart, IE	9
246	Bainbridge Island, WA (US)	9
247	Richmond Hill, CA	9
248	Minneapolis, MN (US)	9
249	Bluffton, SC (US)	9
250	Bolingbrook, IL (US)	9
251	Hursley, GB	9
252	Burnaby, CA	9
253	Noida, IN	9
254	Canton, MI (US)	8
255	Newton Highlands, MA (US)	8
256	Centerville, VA (US)	8
257	Heredia, CR	8
258	Magnolia, TX (US)	8
259	Monson, MA (US)	8
260	Suffield, CT (US)	8
261	West Orange, NJ (US)	8
262	Winchester, MA (US)	8
263	Vienna, AT	8
264	Sleepy Hollow, NY (US)	8
265	Westport, CT (US)	8
266	San Rafael, CA (US)	8
267	Herzliya, IL	8
268	Boulder, CO (US)	8
269	Colorado Springs, CO (US)	8
270	Markham, CA	8

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#	Location	Patents
271	Totowa, NJ (US)	8
272	Belmont, CA (US)	8
273	Pembroke, MA (US)	8
274	Reston, VA (US)	8
275	Salt Lake City, UT (US)	8
276	La Plata, AR	8
277	Fort Collins, CO (US)	8
278	Lone Tree, CO (US)	8
279	Richland, WA (US)	8
280	Newton, MA (US)	8
281	Akron, OH (US)	8
282	Larchmont, NY (US)	8
283	Milwaukee, WI (US)	8
284	Stony Point, NY (US)	8
285	The Colony, TX (US)	8
286	Telangana, IN	8
287	Minsk, BY	8
288	Danbury, CT (US)	8
289	Kelowna, CA	8
290	Andover, MA (US)	8
291	Mittweida, DE	8
292	Muroran, JP	7
293	Canterbury, GB	7
294	Glen Rock, NJ (US)	7
295	Toms River, NJ (US)	7
296	Laguna Hills, CA (US)	7
297	Orlando, FL (US)	7
298	Forest Hills, NY (US)	7
299	Avon, CT (US)	7
300	Bronxville, NY (US)	7
301	Petach Tikva, IL	7
302	Highlands Ranch, CO (US)	7
303	Kariya, JP	7
304	Netanya, IL	7
305	Tigard, OR (US)	7
306	Aurora, CO (US)	7
307	Jiangsu, CN	7
308	Ossining, NY (US)	7
309	St. Petersburg, FL (US)	7
310	Richmond, CA (US)	7
311	Monument, CO (US)	7
312	Morristown, NJ (US)	7
313	Millwood, NY (US)	7
314	Sterling Heights, MI (US)	7
315	Sterling, VA (US)	7

#	Location	Patents
316	Capital Federal, AR	7
317	Aubrey, TX (US)	7
318	Brighton, MA (US)	7
319	Park City, UT (US)	7
320	Wappingers Falls, NY (US)	7
321	Saint Paul, MN (US)	7
322	Ware, MA (US)	7
323	Sao Paulo, BR	7
324	Warsaw, PL	7
325	Tustin, CA (US)	7
326	Lyons, FR	7
327	Tucson, AZ (US)	7
328	Dubai, AE	7
329	Herefordshire, GB	7
330	West Lafayette, IN (US)	7
331	Guildford, GB	7
332	West Bloomfield, MI (US)	6
333	Ypsilanti, MI (US)	6
334	Greystones, IE	6
335	Gurugram, IN	6
336	Millbrae, CA (US)	6
337	Tolland, CT (US)	6
338	Santa Monica, CA (US)	6
339	East Brunswick, NJ (US)	6
340	Cedar Park, TX (US)	6
341	Zug, CH	6
342	Kyiv, UA	6
343	Philadelphia, PA (US)	6
344	Gyeongsangnam-do, KR	6
345	Pacifica, CA (US)	6
346	Montreal, CA	6
347	Ramat-HaSharon, IL	6
348	Henrico, VA (US)	6
349	Yongin-si, KR	6
350	Burlingame, CA (US)	6
351	Mesa, AZ (US)	6
352	Madrid, ES	6
353	Mason, OH (US)	6
354	Centennial, CO (US)	6
355	Ontario, CA	6
356	Halifax, CA	6
357	Glendale, CA (US)	6
358	Stanford, CA (US)	6
359	Surrey, CA	6
360	Wake Forest, NC (US)	6

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#	Location	Patents
361	Farnborough, GB	6
362	Allen, TX (US)	6
363	Richardson, TX (US)	6
364	West Hills, CA (US)	6
365	Brentwood, TN (US)	6
366	Warwick, NY (US)	6
367	Leixlip, IE	6
368	Fair Oaks Ranch, TX (US)	6
369	Vienna, VA (US)	6
370	Mahwah, NJ (US)	6
371	Sydney, AU	6
372	Furlong, PA (US)	6
373	Rockville, MD (US)	6
374	Westfield, NJ (US)	6
375	Stockholm, SE	6
376	Acton, MA (US)	6
377	São Paulo, BR	6
378	Farmington, AR (US)	6
379	Oak Point, TX (US)	6
380	Katsushika, JP	6
381	Miyagi, JP	6
382	Waxhaw, NC (US)	6
383	Istanbul, TR	6
384	Westclif-On-Sea, GB	6
385	Hilo, HI (US)	6
386	Los Altos Hills, CA (US)	5
387	West Hartford, CT (US)	5
388	Aurora, IL (US)	5
389	Blackrock, IE	5
390	Rye Brook, NY (US)	5
391	Jamaica Plain, MA (US)	5
392	Ramot Meir, IL	5
393	St. Louis, MO (US)	5
394	Staten Island, NY (US)	5
395	Parker, CO (US)	5
396	Jabalpur, IN	5
397	Morris Plains, NJ (US)	5
398	Woodside, CA (US)	5
399	Schenectady, NY (US)	5
400	Orem, UT (US)	5
401	Bloomfield Hills, MI (US)	5
402	El Paso, IL (US)	5
403	Bernardsville, NJ (US)	5
404	Wicklow, IE	5
405	Cannon Beach, OR (US)	5

#	Location	Patents
406	Clifton Park, NY (US)	5
407	Chagrin Falls, OH (US)	5
408	Westborough, MA (US)	5
409	Tempe, AZ (US)	5
410	Castro Valley, CA (US)	5
411	Cheseaux-sur-Lausanne, CH	5
412	Baradero, AR	5
413	Galway, IE	5
414	Mercer Island, WA (US)	5
415	Bhubaneswar, IN	5
416	Carson City, NV (US)	5
417	Chesterfield, NJ (US)	5
418	Aachen, DE	5
419	Geneva, CH	5
420	Älvsjö, SE	5
421	Nozay, FR	5
422	Wellington, FL (US)	5
423	Shrewsbury, MA (US)	5
424	Thane, IN	5
425	Aschheim, DE	5
426	Holmdel, NJ (US)	5
427	Boerne, TX (US)	5
428	Indialantic, FL (US)	5
429	Palaiseau, FR	5
430	Costa del Sol, SG	5
431	Pleasantville, NY (US)	5
432	Research Triangle Park, NC (US)	5
433	Boeblingen, DE	5
434	Westworth Village, TX (US)	5
435	Baltimore, MD (US)	5
436	Plainfield, IL (US)	5
437	Sendai, JP	5
438	Dungarvan, IE	5
439	Fairfield County, CT (US)	5
440	Rocky Point, NY (US)	5
441	Riverside, CT (US)	5
442	Stavanger, NO	5
443	Aventura, FL (US)	5
444	Key West, FL (US)	5
445	Aliso Viejo, CA (US)	4
446	Tamil Nadu, IN	4
447	Chhattisgarh, IN	4
448	Northville, MI (US)	4
449	Medford, MA (US)	4
450	Elmhurst, NY (US)	4

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#	Location	Patents
451	Abu Dhabi, AE	4
452	Johannesburg, ZA	4
453	Bucheon-si, KR	4
454	Highland Park, IL (US)	4
455	Oslow, NO	4
456	Beverly Hills, CA (US)	4
457	Torrance, CA (US)	4
458	Manchester, GB	4
459	Carlsbad, CA (US)	4
460	Somerville, MA (US)	4
461	Carmel, IN (US)	4
462	Delray Beach, FL (US)	4
463	Kefar Yona, IL	4
464	North Glenn, CO (US)	4
465	Snoqualmie, WA (US)	4
466	Westminster, CO (US)	4
467	Kaohsiung, TW	4
468	Rishpon, IL	4
469	Navi Mumbai, IN	4
470	Gilbert, AZ (US)	4
471	Gothenburg, SE	4
472	Jerusalem, IL	4
473	Spring, TX (US)	4
474	Spring Valley, NY (US)	4
475	Vilnius, LT	4
476	Edmonton, CA	4
477	Wayne, PA (US)	4
478	Cortlandt Manor, NY (US)	4
479	Manhattan Beach, CA (US)	4
480	Dundas, CA	4
481	Gwangmyeong-si, KR	4
482	Dearborn, MI (US)	4
483	Moreno Valley, CA (US)	4
484	Montville, NJ (US)	4
485	Dubuque, IA (US)	4
486	Maharashtra, IN	4
487	Provo, UT (US)	4
488	Falls Church, VA (US)	4
489	Chesterfield, MO (US)	4
490	Troy, MI (US)	4
491	Framingham, MA (US)	4
492	Jacksonville, FL (US)	4
493	The Hague, NL	4
494	Brookline, MA (US)	4
495	Woodinville, WA (US)	4

#	Location	Patents
496	Cushing, TX (US)	4
497	Porter Ranch, CA (US)	4
498	Nashville, TN (US)	4
499	Mullingar, IE	4
500	Celbridge, IE	4
501	Old Bridge, NJ (US)	4
502	South Jordan, UT (US)	4
503	Bihar, IN	4
504	Annandale, VA (US)	4
505	Leimen, DE	4
506	Beverly, MA (US)	4
507	St Johns, FL (US)	4
508	Marlborough, MA (US)	4
509	Summit, NJ (US)	4
510	Sichuan, CN	4
511	Tangier, MA	4
512	Miami Beach, FL (US)	4
513	Cheyenne, WY (US)	4
514	Cairo, EG	4
515	Center Conway, NH (US)	4
516	York, GB	4
517	Highland, UT (US)	4
518	Pflugerville, TX (US)	4
519	Mill Valley, CA (US)	4
520	Rungis, FR	4
521	Santa Cruz, CA (US)	4
522	Marina Del Rey, CA (US)	4
523	Brea, CA (US)	4
524	Oakland Park, FL (US)	4
525	Shaanxi, CN	4
526	Chapel Hill, NC (US)	4
527	Riyadh, SA	4
528	Navan, IE	4
529	Lovettsville, VA (US)	4
530	Lafayette, CA (US)	4
531	Buntingford, GB	4
532	Denton, TX (US)	4
533	Longmont, CO (US)	4
534	South Bend, IN (US)	4
535	Columbia, MO (US)	4
536	Carlton, AU	4
537	Great Falls, VA (US)	4
538	McDonough, GA (US)	4
539	Fujisawa, JP	4
540	Edogawa-ku, JP	4

LOCATIONS

#	Location	Patents
541	Rensselaer, NY (US)	4
542	Hanzghou, CN	4
543	Renton, WA (US)	4
544	Hunts Point, WA (US)	4
545	Skerries, IE	4
546	Redondo Beach, CA (US)	4
547	Guadalajara, MX	4
548	East New Market, MD (US)	4
549	Henfenfeld, DE	4
550	Moraga, CA (US)	4
551	Monaco, MC	4
552	Winter Park, FL (US)	4
553	Issy-les-Moulineaux, FR	4
554	Meath, IE	4
555	Encino, CA (US)	3
556	East Aurora, NY (US)	3
557	Chatillon, FR	3
558	The Woodlands, TX (US)	3
559	Rüschlikon, CH	3
560	Bolton, MA (US)	3
561	Savannah, GA (US)	3
562	Rotterdam, NL	3
563	Billericay, GB	3
564	Haslet, TX (US)	3
565	Lancaster, GB	3
566	Dresden, DE	3
567	Lancaster, SC (US)	3
568	Ponte Vedra, FL (US)	3
569	Rowlett, TX (US)	3
570	New Hartford, CT (US)	3
571	Baiano, IT	3
572	Naples, IT	3
573	Oceanside, CA (US)	3
574	Lakewood, CO (US)	3
575	Venice, CA (US)	3
576	Emeryville, CA (US)	3
577	Edinburgh, GB	3
578	Eulenbis, DE	3
579	Urbana, IL (US)	3
580	Hawthorn Woods, IL (US)	3
581	West Harrison, NY (US)	3
582	Espoo, FI	3
583	Petah Tikva, IL	3
584	Eugene, OR (US)	3
585	Arlington, TX (US)	3

#	Location	Patents
586	Sugar Land, TX (US)	3
587	Kobylniki, PL	3
588	Golub-Dobrzyn, PL	3
589	Bydgoszcz, PL	3
590	Lloydminster, CA	3
591	Ramat Gan, IL	3
592	Holon, IL	3
593	Lapid, IL	3
594	Tenafly, NJ (US)	3
595	Arverne, NY (US)	3
596	Aurora, OH (US)	3
597	Warwick, GB	3
598	Shimshit, IL	3
599	Ho Chi Minh, VN	3
600	Latina, IT	3
601	Nepean, CA	3
602	Kleinmachnow, DE	3
603	Northbrook, IL (US)	3
604	Tel Mond, IL	3
605	Dayton, OH (US)	3
606	Fairborn, OH (US)	3
607	Hilliard, OH (US)	3
608	Middletown, OH (US)	3
609	Xenia, OH (US)	3
610	Newcastle, WA (US)	3
611	Winchester, GB	3
612	Varese, IT	3
613	Grand Blanc, MI (US)	3
614	New Plymouth, NZ	3
615	Basking Ridge, NJ (US)	3
616	Dundrum, IE	3
617	King of Prussia, PA (US)	3
618	Kfar Saba, IL	3
619	Fullerton, CA (US)	3
620	Indore, IN	3
621	Albuquerque, NM (US)	3
622	Hanam, KR	3
623	Ballston Spa, NY (US)	3
624	Meerut, IN	3
625	Franklin, WI (US)	3
626	Mayfield Heights, OH (US)	3
627	Fairview Park, OH (US)	3
628	Solon, OH (US)	3
629	Indianola, WA (US)	3
630	Surprise, AZ (US)	3

LOCATIONS

#	Location	Patents
631	Cincinnati, OH (US)	3
632	Livermore, CA (US)	3
633	Madison, CT (US)	3
634	Newbury Park, CA (US)	3
635	Concord, MA (US)	3
636	Effingham, IL (US)	3
637	Bozeman, MT (US)	3
638	New York City, NY (US)	3
639	Thompsons Station, OH (US)	3
640	Carnation, WA (US)	3
641	Solna, SE	3
642	Orissa, IN	3
643	Olathe, KS (US)	3
644	Seneca, SC (US)	3
645	Kehl am Rhein, FR	3
646	Mannheim, DE	3
647	Royal Oak, MI (US)	3
648	Medford, NY (US)	3
649	Hawthorne, NY (US)	3
650	Greenwood Village, CO (US)	3
651	Huntingtown, MD (US)	3
652	Albany, CA (US)	3
653	Pensacola, FL (US)	3
654	La Canada Flintridge, CA (US)	3
655	Tiburon, CA (US)	3
656	Orono, MN (US)	3
657	Fair Lawn, NJ (US)	3
658	Rio de Janeiro, BR	3
659	Valinhos, BR	3
660	New Vernon, NJ (US)	3
661	Golden, CO (US)	3
662	Holly Springs, NC (US)	3
663	Peekskill, NY (US)	3
664	Santa Ana, CA (US)	3
665	Kyoto, JP	3
666	Boonsboro, MD (US)	3
667	Addison, TX (US)	3
668	Calgary, CA	3
669	Vence, FR	3
670	Minato-ku, JP	3
671	Hillsborough, NJ (US)	3
672	Milmay, NJ (US)	3
673	Hillsborough, CA (US)	3
674	Fredericksburg, VA (US)	3
675	City Beach, AU	3

#	Location	Patents
676	Grandview, MO (US)	3
677	Wheaton, IL (US)	3
678	Richmond, VA (US)	3
679	Union, NJ (US)	3
680	Fishkill, NY (US)	3
681	Munich Bavaria, DE	3
682	Udenheim, DE	3
683	Cerea, IT	3
684	Sint-Amandsberg, BE	3
685	Kanata, CA	3
686	Kamakura, JP	3
687	Carrollton, TX (US)	3
688	Hod Hasharon, IL	3
689	Tver, RU	3
690	Wandlitz, DE	3
691	Nootdorp, NL	3
692	Messina, IT	3
693	Point Richmond, CA (US)	3
694	Taichung, TW	3
695	Southbank, AU	3
696	Sidcup, GB	3
697	Chelmsford, GB	3
698	Nowy Wisnicz, PL	3
699	Huntington Beach, CA (US)	3
700	Weinheim, DE	3
701	Cumming, GA (US)	3
702	Jeju-si, KR	3
703	Lutz, FL (US)	3
704	Concord, CA (US)	3
705	Mendham, NJ (US)	3
706	Lewisville, TX (US)	3
707	Buford, GA (US)	3
708	Burlington, MA (US)	3
709	Boxborough, MA (US)	3
710	Suresnes, FR	3
711	Fareham, GB	3
712	Reynoldsburg, OH (US)	3
713	Cohoes, NY (US)	3
714	North Hills, NY (US)	3
715	Doncaster East, AU	3
716	Bryn Mawr, PA (US)	3
717	Mount Laurel, NJ (US)	3
718	Oronoco, MN (US)	3
719	Byron, MN (US)	3
720	Lehi, UT (US)	3

LOCATIONS

#	Location	Patents
721	Lexington, OH (US)	3
722	Mount Holly, NC (US)	3
723	Matthews, NC (US)	3
724	Croton on Hudson, NY (US)	3
725	Hsinchu, TW	3
726	Chino, CA (US)	3
727	Anaheim, CA (US)	3
728	Missouri City, TX (US)	3
729	Gilroy, CA (US)	3
730	Noel, MO (US)	3
731	Oldham, GB	3
732	Swords, IE	3
733	Kildalkey, IE	3
734	Herrenberg, DE	3
735	Morgantown, WV (US)	3
736	North Salem, NY (US)	3
737	Nanuet, NY (US)	3
738	Redwood City, UT (US)	3
739	Ivanhoe, AU	3
740	Glen Iris, AU	3
741	Doncaster, AU	3
742	Ringwood North, AU	3
743	Seaford, DE (US)	3
744	Mineral, VA (US)	3
745	Treverec, FR	2
746	Mission Viejo, CA (US)	2
747	Kazam, RU	2
748	Riverview, FL (US)	2
749	Gibraltar, GI	2
750	Bloomington, MN (US)	2
751	Pflugersville, TX (US)	2
752	Barrington Hills, IL (US)	2
753	Montréal, CA	2
754	Ghaiziabad, IN	2
755	Sofia, BG	2
756	Lenexa, KS (US)	2
757	Silverton, OR (US)	2
758	Pittsford, NY (US)	2
759	Bangkok, TH	2
760	Stuttgart, DE	2
761	Saskatoon, CA	2
762	Metuchen, NJ (US)	2
763	Franklin, NY (US)	2
764	Lewes, DE (US)	2
765	Old Greenwich, CT (US)	2

#	Location	Patents
766	Coxs Creek, KY (US)	2
767	Prospect, KY (US)	2
768	Jeffersonville, IN (US)	2
769	Izlake, SI	2
770	Sejong-si, KR	2
771	Reading, MA (US)	2
772	Garland, TX (US)	2
773	Vista, CA (US)	2
774	Bella Vista, AR (US)	2
775	Pullman, WA (US)	2
776	La Tronche, FR	2
777	Warner Robins, GA (US)	2
778	Heath, TX (US)	2
779	Cork, IE	2
780	Palos Verdes Estates, CA (US)	2
781	Frome, GB	2
782	Duesseldorf, DE	2
783	Fort Wayne, IN (US)	2
784	Hoboken, NY (US)	2
785	Rishon leZion, IL	2
786	Layton, UT (US)	2
787	Anaheim Hills, CA (US)	2
788	Elkhorn, NE (US)	2
789	Indianapolis, IN (US)	2
790	Castle Rock, CO (US)	2
791	El Cerrito, CA (US)	2
792	North Hollywood, CA (US)	2
793	West Port, CT (US)	2
794	Tallinn, ES	2
795	Talinn, ES	2
796	Kotputli, IN	2
797	Vantaa, FI	2
798	Helsinki, FI	2
799	Webster, NY (US)	2
800	Wiernsheim, DE	2
801	Sindelfingen, DE	2
802	Dortmund, DE	2
803	Schoenaich, DE	2
804	Addlestone, GB	2
805	Morton, IL (US)	2
806	Bulverde, TX (US)	2
807	Southlake, TX (US)	2
808	Mahomet, IL (US)	2
809	English Harbour, AG	2
810	Lakeway, TX (US)	2

LOCATIONS

#	Location	Patents
811	Duisburg, DE	2
812	Roorkee, IN	2
813	Even Yehuda, IL	2
814	Kiryat Mozkin, IL	2
815	Helmstadt-Bargen, DE	2
816	Westlake, OH (US)	2
817	Gates Mills, OH (US)	2
818	Avon, OH (US)	2
819	Valley View, OH (US)	2
820	Mentor, OH (US)	2
821	Brecksville, OH (US)	2
822	Kirkwood, MO (US)	2
823	Nahariya, IL	2
824	Uttarakhand, IN	2
825	Plant City, FL (US)	2
826	Ebensfeld, DE	2
827	Hsinchu County, TW	2
828	Liberty Lake, WA (US)	2
829	Puerto Plato, DO	2
830	Norton, MA (US)	2
831	Lakeville, MA (US)	2
832	Scarborough, CA	2
833	Paramakudi, IN	2
834	Norwalk, IA (US)	2
835	Robbinsville, NJ (US)	2
836	St. John's, CA	2
837	New Castle, DE (US)	2
838	Downingtown, PA (US)	2
839	Yorba Linda, CA (US)	2
840	Randolph, NJ (US)	2
841	Bridgewater, NJ (US)	2
842	Beer-Sheva, IL	2
843	Kfar Yona, IL	2
844	Waterloo, CA (US)	2
845	Columbia, SC (US)	2
846	Bethpage, NY (US)	2
847	Southfield, MI (US)	2
848	Farmington Hills, MI (US)	2
849	Kibbutz Yifat, IL	2
850	Natick, MA (US)	2
851	Banagalore Karnataka, IN	2
852	Annandale, NJ (US)	2
853	Lithonia, GA (US)	2
854	Clamart, FR	2
855	Middletown, NJ (US)	2

#	Location	Patents
856	Monmouth Junction, NJ (US)	2
857	Manhasset, NY (US)	2
858	Hopkinton, MA (US)	2
859	Cashiers, NC (US)	2
860	St. Charles, IL (US)	2
861	Sun Valley, CA (US)	2
862	Hudson, MA (US)	2
863	Rijswijk, NL	2
864	Doetinchem, NL	2
865	Delft, NL	2
866	Zwartewaal, NL	2
867	Warwick, RI (US)	2
868	Udiapur, IN	2
869	Kansas City, MO (US)	2
870	Wellesley, MA (US)	2
871	Mooresville, NC (US)	2
872	Middle Island, NY (US)	2
873	Frickingen, DE	2
874	Lubeck, DE	2
875	Easton, PA (US)	2
876	Malvern, PA (US)	2
877	Newtown Square, PA (US)	2
878	Brookfield, WI (US)	2
879	Laguna Beach, CA (US)	2
880	Unterhaching, DE	2
881	Winnipeg, CA	2
882	Kota, IN	2
883	Monte Sereno, CA (US)	2
884	Elk River, MN (US)	2
885	Gorakhpur, IN	2
886	Tallahassee, FL (US)	2
887	Bronx, NY (US)	2
888	Jefferson, MA (US)	2
889	Melrose, MA (US)	2
890	Pembroke Pines, FL (US)	2
891	Town and Country, MO (US)	2
892	Vasco-da-Gama, IN	2
893	Wadala East, IN	2
894	Thane West, IN	2
895	Cypress, TX (US)	2
896	Lafayette, CO (US)	2
897	St George's, BM	2
898	Grand Cayman, KY	2
899	Ramat-Gan, IL	2
900	Danville, CA (US)	2

LOCATIONS

#	Location	Patents
901	Potomac, MD (US)	2
902	Karlsruhe, DE	2
903	Schopfheim, DE	2
904	Flagstaff, AZ (US)	2
905	Chantilly, VA (US)	2
906	Pittsburgh, PA (US)	2
907	Novi, MI (US)	2
908	Graz, AT	2
909	Agoura Hills, CA (US)	2
910	Burnsville, MN (US)	2
911	Blanchardstown, IE	2
912	Incheon, KR	2
913	Poing, DE	2
914	Fair Oaks, CA (US)	2
915	Rancho Palos Verdes, CA (US)	2
916	Discovery Bay, CA (US)	2
917	Erskineville, AU	2
918	Clontarf, AU	2
919	West Pennant Hills, AU	2
920	Tourrettes-sur-Loup, FR	2
921	Lynnwood, WA (US)	2
922	Somers, NY (US)	2
923	Bellingham, MA (US)	2
924	Mansfield, MA (US)	2
925	Scituate, MA (US)	2
926	Nashua, NH (US)	2
927	Chestnut Hill, MA (US)	2
928	Daly City, CA (US)	2
929	Nofit, IL	2
930	Middletown, NY (US)	2
931	Thornhill, CA	2
932	Fairlawn, NJ (US)	2
933	Athens, GR	2
934	Piscataway, NJ (US)	2
935	Florham Park, NJ (US)	2
936	Budd Lake, NJ (US)	2
937	Seongnam, KR	2
938	Moreland Hills, OH (US)	2
939	Oklahoma City, OK (US)	2
940	Minnetonka, MN (US)	2
941	North Potomac, MD (US)	2
942	Westwood, MA (US)	2
943	Bruce, AU	2
944	Dunlop, AU	2
945	Petaluma, CA (US)	2

#	Location	Patents
946	Frankfurt am Main, DE	2
947	Liberty Hill, TX (US)	2
948	Prishtina, XK	2
949	Greater Noida, IN	2
950	Sarasota, FL (US)	2
951	San Anselmo, CA (US)	2
952	Walnut, CA (US)	2
953	Vaucluse, AU	2
954	Coral Springs, FL (US)	2
955	Dobbs Ferry, NY (US)	2
956	Easton, CT (US)	2
957	Nanterre, FR	2
958	Höhenkirchen-Siegertsbrunn, DE	2
959	Long Beach, NY (US)	2
960	Commack, NY (US)	2
961	Columbia, MD (US)	2
962	Beit Yizhack, IL	2
963	East Sussex, GB	2
964	Hertfordshire, GB	2
965	Puyallup, WA (US)	2
966	Bonney Lake, WA (US)	2
967	Gig Harbor, WA (US)	2
968	St. Charles, MO (US)	2
969	Wildwood, MO (US)	2
970	Chesire, GB	2
971	West Palm Beach, FL (US)	2
972	Mt. Pleasant, SC (US)	2
973	Tilden, NE (US)	2
974	Watertown, MA (US)	2
975	Rancho Santa Margarita, CA (US)	2
976	Dhahran, SA	2
977	Palm Harbor, FL (US)	2
978	Shorashim, IL	2
979	Coppell, TX (US)	2
980	Andhra Pradesh, IN	2
981	Busan, KR	2
982	Manuel Gonnet, AR	2
983	Clayton, MO (US)	2
984	Maplewood, NJ (US)	2
985	Roseland, NJ (US)	2
986	Parsippany, NJ (US)	2
987	Hornsby, AU	2
988	New Castle, NY (US)	2
989	Bangalore KA, IN	2
990	Brno, CZ	2

LOCATIONS

#	Location	Patents
991	Scotch Plains, NJ (US)	2
992	Zufim, IL	2
993	Walldorf, DE	2
994	Parkland, FL (US)	2
995	La Jolla, CA (US)	2
996	Clarksburg, NJ (US)	2
997	Charlottesville, VA (US)	2
998	Nagano, JP	2
999	Hanzhou, CN	2
1,000	Langerak, NL	2
1,001	Southport, AU	2
1,002	Nerang, AU	2
1,003	Twickenham, GB	2
1,004	Ashland, MA (US)	2
1,005	Rancho Santa Fe, CA (US)	2
1,006	Eagan, MN (US)	2
1,007	Melrose Park, AU	2
1,008	Newfields, NH (US)	2
1,009	Macquarie Park, AU	2
1,010	Sunnybank Hills, AU	2
1,011	Brasília, BR	2
1,012	Sandy, UT (US)	2
1,013	Panchkula, IN	2
1,014	Saratoga Springs, NY (US)	2
1,015	Rexford, NY (US)	2
1,016	Nassau, NY (US)	2
1,017	San Juan, PR (US)	2
1,018	Timisoara, RO	2
1,019	Kerala, IN	2
1,020	Sivakasi, IN	2
1,021	Surat, IN	2
1,022	Bournemouth, GB	2
1,023	Hyderabad Telangana, IN	2
1,024	Morganville, NJ (US)	2
1,025	Aurangabad, IN	2
1,026	Huntington, NY (US)	2
1,027	Kent, WA (US)	2
1,028	Frankfurt, DE	2
1,029	Albany, NY (US)	2
1,030	Watchung, NJ (US)	2
1,031	Centreville, VA (US)	2
1,032	Jersey City, NH (US)	2
1,033	Orchard Park, NY (US)	2
1,034	Fort Myers, FL (US)	2
1,035	Malvern East, AU	2

#	Location	Patents
1,036	Frederick, MD (US)	2
1,037	Woodbridge, CT (US)	2
1,038	Daejeon-si, KR	2
1,039	Grapevine, TX (US)	2
1,040	Carmel, CA (US)	2
1,041	Clayton, CA (US)	2
1,042	Acton, AU	2
1,043	Huntersville, NC (US)	2
1,044	Anacortes, WA (US)	2
1,045	Dillard, OR (US)	2
1,046	Turku, FI	2
1,047	Sanremo, IT	2
1,048	Kenmore, WA (US)	2
1,049	Manchester, MA (US)	2
1,050	Bartlett, IL (US)	2
1,051	Oak Ridge, TN (US)	2
1,052	Sheridan, OR (US)	2
1,053	Nice, FR	2
1,054	Koenigstein, DE	2
1,055	Antibes-Juan les pins, FR	2
1,056	Grandville, OH (US)	2
1,057	Faridabad, IN	2
1,058	Brights Grove, CA	2
1,059	Braunton, GB	2
1,060	Newcastle upon Tyne, GB	2
1,061	Al Ain, AE	2
1,062	Aloha, OR (US)	2
1,063	Hopewell, NY (US)	2
1,064	Lake Stevens, WA (US)	2
1,065	Billerica, MA (US)	2
1,066	Blaine, WA (US)	2
1,067	Costa Del Sol, SG	2
1,068	Cave Springs, AR (US)	2
1,069	Montebello, CA (US)	2
1,070	Mohegan Lake, NY (US)	2
1,071	Mallow Cork, IE	2
1,072	Felton, CA (US)	2
1,073	Courbevoie, FR	2
1,074	Dardenne Prarie, MO (US)	2
1,075	Swansboro, NC (US)	2
1,076	South Brisbane, AU	2
1,077	Fairport, NY (US)	2
1,078	Brisbane, AU	2
1,079	Lausanne, CH	2
1,080	Williamson, TX (US)	2

LOCATIONS

#	Location	Patents
1,081	Blacksburg, VA (US)	2
1,082	Molino, FL (US)	2
1,083	Fountain Hills, AZ (US)	2
1,084	New Paltz, NY (US)	2
1,085	Duchtess County, NY (US)	2
1,086	Parkville, AU	2
1,087	Kensington, CA (US)	2
1,088	Tallinn, EE	2
1,089	Petach-Tikva, IL	2
1,090	Zhengzhou, CN	2
1,091	Kunming, CN	2
1,092	Cainta, PH	2
1,093	Bacoor, PH	2
1,094	Las Pinas, PH	2
1,095	Saue Vald, EE	2
1,096	Juan les Pins, FR	2
1,097	North Bergen, NJ (US)	2
1,098	Kenosha, WI (US)	2
1,099	Jhonstown, IE	1
1,100	Therwil, CH	1
1,101	Gimpo-si, KR	1
1,102	Odessa, FL (US)	1
1,103	Loomis, CA (US)	1
1,104	Gouda, NL	1
1,105	Duivendrecht, NL	1
1,106	Jenkintown, PA (US)	1
1,107	Madison Heights, MI (US)	1
1,108	Manalapan, NJ (US)	1
1,109	Short Hills, NJ (US)	1
1,110	Conroe, TX (US)	1
1,111	Bury St Edmunds, GB	1
1,112	Gautam Budh Nagar, IN	1
1,113	Sonipat, IN	1
1,114	Plainville, MA (US)	1
1,115	Peoria, IL (US)	1
1,116	Wilmette, IL (US)	1
1,117	Newtown, PA (US)	1
1,118	Limassol, CY	1
1,119	Stillorgan, IE	1
1,120	Cavan, IE	1
1,121	Roslyn, NY (US)	1
1,122	Port Alberni, CA	1
1,123	Ridgefield, NJ (US)	1
1,124	Yonkers, NY (US)	1
1,125	Kamnica, SI	1

#	Location	Patents
1,126	Maribor, SI	1
1,127	Waukesha, WI (US)	1
1,128	Czestochowa, PL	1
1,129	Collingswood, NJ (US)	1
1,130	St. Tel Aviv, IL	1
1,131	Walpole, MA (US)	1
1,132	Honolulu, HI (US)	1
1,133	Bradenton, FL (US)	1
1,134	Grabill, IN (US)	1
1,135	Warsaw, IN (US)	1
1,136	Tirupati West, IN	1
1,137	Waramanga, AU	1
1,138	Ogden, UT (US)	1
1,139	Savins, FR	1
1,140	Calci, IT	1
1,141	Riglione, IT	1
1,142	Pisa, IT	1
1,143	San Giuliano Terme, IT	1
1,144	Wllington, FL (US)	1
1,145	North Andover, MA (US)	1
1,146	Sterling, MA (US)	1
1,147	Lisburn, GB	1
1,148	Lake Oswego, OR (US)	1
1,149	Kotkapura, IN	1
1,150	Eden Prairie, MN (US)	1
1,151	Chongqing, CN	1
1,152	Pleasant Hill, CA (US)	1
1,153	Pierrefonds, CA	1
1,154	County Dublin, IE	1
1,155	Washinton, DC (US)	1
1,156	Vellore, IN	1
1,157	Kyrkslätt, FI	1
1,158	Givatavim, IL	1
1,159	Nes Tziona, IL	1
1,160	Modiin, IL	1
1,161	Tel Aviv-Jaffa, IL	1
1,162	Hashason, IL	1
1,163	Golden Valley, MN (US)	1
1,164	West Long Branch, NJ (US)	1
1,165	Diss, GB	1
1,166	Tuusula, FI	1
1,167	Tours, FR	1
1,168	Rochester, NY (US)	1
1,169	Baldwinsville, NY (US)	1
1,170	Williamson, NY (US)	1

LOCATIONS

#	Location	Patents
1,171	Ramat HaSharon, IL	1
1,172	Kalkar, DE	1
1,173	Castine, ME (US)	1
1,174	Novato, CA (US)	1
1,175	Lakeland, FL (US)	1
1,176	New Canaan, CT (US)	1
1,177	Garden City, NY (US)	1
1,178	Oregon City, OR (US)	1
1,179	Atlantic Beach, FL (US)	1
1,180	Columbia, TN (US)	1
1,181	Fort Worth, TX (US)	1
1,182	Keller, TX (US)	1
1,183	Plascassier, FR	1
1,184	Broomall, PA (US)	1
1,185	Mclean, VA (US)	1
1,186	Elora, CA	1
1,187	Trento, IT	1
1,188	Cittadella, IT	1
1,189	Tesero, IT	1
1,190	Baldham, DE	1
1,191	Davis, CA (US)	1
1,192	Seven Hills, OH (US)	1
1,193	Albertson, NY (US)	1
1,194	New York, FL (US)	1
1,195	Pownal, VT (US)	1
1,196	Upland, CA (US)	1
1,197	Fairview, TX (US)	1
1,198	Cheshunt, GB	1
1,199	Lakewood, OH (US)	1
1,200	Melbourne Beach, FL (US)	1
1,201	Assam, IN	1
1,202	Üröm, HU	1
1,203	Hermosa Beach, CA (US)	1
1,204	Arroyo Grande, CA (US)	1
1,205	Pala Alto, CA (US)	1
1,206	Spring Branch, TX (US)	1
1,207	Salinas, CA (US)	1
1,208	Carmel Valley, CA (US)	1
1,209	Varna, BG	1
1,210	Aprilia, IT	1
1,211	North West Singapore, SG	1
1,212	Oakbrook Terrace, IL (US)	1
1,213	Westmont, IL (US)	1
1,214	Monza e della Brianza, IT	1
1,215	Sacramento, CA (US)	1

#	Location	Patents
1,216	Vineyard, UT (US)	1
1,217	Dwarka, IN	1
1,218	Merrimack, NH (US)	1
1,219	Lowell, MA (US)	1
1,220	Redwood Shores, CA (US)	1
1,221	Karachi, PK	1
1,222	Decatur, TX (US)	1
1,223	Steele, DE	1
1,224	Kovilambakkam, IN	1
1,225	Bastrop, TX (US)	1
1,226	Daegu, KR	1
1,227	Maidenhead, GB	1
1,228	Sheikh Zayed, EG	1
1,229	Giza, EG	1
1,230	New Cairo, EG	1
1,231	Mays Landing, NJ (US)	1
1,232	La Plata, MD (US)	1
1,233	King George, VA (US)	1
1,234	Lusby, MD (US)	1
1,235	Snohomish, WA (US)	1
1,236	Plymouth, MI (US)	1
1,237	Haywards Heath, GB	1
1,238	State Road, NC (US)	1
1,239	Hydedrabad, IN	1
1,240	Fort Lauderdale, FL (US)	1
1,241	East Rockaway, NY (US)	1
1,242	Temecula, CA (US)	1
1,243	Oxnard, CA (US)	1
1,244	Belle Mead, NJ (US)	1
1,245	Basingstoke, GB	1
1,246	Ashqelon, IL	1
1,247	Denver, PA (US)	1
1,248	Royersford, PA (US)	1
1,249	Laverock, PA (US)	1
1,250	Paoli, PA (US)	1
1,251	Rishon Lezion, IL	1
1,252	Kiryat Ono, IL	1
1,253	West Hollywood, CA (US)	1
1,254	Action, ME (US)	1
1,255	Oro Valley, AZ (US)	1
1,256	Coventry, RI (US)	1
1,257	Vancouver, WA (US)	1
1,258	Model Town, IN	1
1,259	Sudbury, MA (US)	1
1,260	Del Ray, FL (US)	1

LOCATIONS

#	Location	Patents
1,261	Joplin, MO (US)	1
1,262	Wilmington, DE (US)	1
1,263	Chanhassan, MN (US)	1
1,264	Everett, WA (US)	1
1,265	Muret, FR	1
1,266	Broadalbin, NY (US)	1
1,267	Lahore, PK	1
1,268	Virginia Beach, VA (US)	1
1,269	Voronezh, RU	1
1,270	Edgewood, MD (US)	1
1,271	Accokeek, MD (US)	1
1,272	Ahome, MX	1
1,273	Helotes, TX (US)	1
1,274	Coupland, TX (US)	1
1,275	Hassfurt, DE	1
1,276	Bolpur, IN	1
1,277	Prague, CZ	1
1,278	Sevenoaks, GB	1
1,279	Long Beach, WA (US)	1
1,280	Commerce City, CO (US)	1
1,281	Aptos, CA (US)	1
1,282	Symmes Township, OH (US)	1
1,283	Koraput, IN	1
1,284	Newmarket, CA	1
1,285	Ajax, CA	1
1,286	Luino, IT	1
1,287	Telegana, IN	1
1,288	Chungcheongbuk-do, KR	1
1,289	Great Neck, NY (US)	1
1,290	Ventura, CA (US)	1
1,291	Champain, IL (US)	1
1,292	Newyork, NY (US)	1
1,293	Wheat ridge, CO (US)	1
1,294	Maple Grove, MN (US)	1
1,295	Marysville, WA (US)	1
1,296	Portsmouth, NH (US)	1
1,297	Vaudreuil-Dorion, CA	1
1,298	Erlangen, DE	1
1,299	Brentwood, NY (US)	1
1,300	Atherton, CA (US)	1
1,301	Hawthrone, NJ (US)	1
1,302	Burke, VA (US)	1
1,303	Glen Rock, PA (US)	1
1,304	Virudhunagar, IN	1
1,305	Farmington, UT (US)	1

#	Location	Patents
1,306	Osnabrück, DE	1
1,307	Newburgh, NY (US)	1
1,308	Pawling, NY (US)	1
1,309	Port Ewen, NY (US)	1
1,310	Kiawah Island, SC (US)	1
1,311	Schaffhausen, CH	1
1,312	Veneto, IT	1
1,313	Sene, FR	1
1,314	Anyang-si, KR	1
1,315	Voorhees, NJ (US)	1
1,316	Crystal, MN (US)	1
1,317	Olympia, WA (US)	1
1,318	Sandhausen, DE	1
1,319	Vidayagiri, IN	1
1,320	Kennewick, WA (US)	1
1,321	Victor, ID (US)	1
1,322	St. Augustine, FL (US)	1
1,323	Franklin Lakes, NJ (US)	1
1,324	Chesterbrook, PA (US)	1
1,325	Louisville, CO (US)	1
1,326	Point Roberts, WA (US)	1
1,327	Bielsko-Biala, PL	1
1,328	Brookeville, MD (US)	1
1,329	Bellingham, WA (US)	1
1,330	Sugarland, TX (US)	1
1,331	Kentfield, CA (US)	1
1,332	Gilbet, AZ (US)	1
1,333	Chappaqua, NY (US)	1
1,334	Patras, GR	1
1,335	Mineloa, NY (US)	1
1,336	Allison Park, PA (US)	1
1,337	Lambertville, MI (US)	1
1,338	Copenhagen, DK	1
1,339	Gdynia, PL	1
1,340	Salem, OR (US)	1
1,341	Wuerzburg, DE	1
1,342	Karbach, DE	1
1,343	Aesch, CH	1
1,344	Steinen, DE	1
1,345	Basel, DE	1
1,346	Northport, NY (US)	1
1,347	Kingsville, AU	1
1,348	Derrimut, AU	1
1,349	Thomastown, AU	1
1,350	Williamsburg, VA (US)	1

LOCATIONS

#	Location	Patents
1,351	Filipowice, PL	1
1,352	Giebułtow, PL	1
1,353	Beaumont, CA	1
1,354	Southbury, CT (US)	1
1,355	Beinjing, CN	1
1,356	Edina, MN (US)	1
1,357	Firenza, IT	1
1,358	Resaerch Triangle Park, NC (US)	1
1,359	Northridge, CA (US)	1
1,360	Pebble Beach, CA (US)	1
1,361	Little Rock, AR (US)	1
1,362	Thornton, CO (US)	1
1,363	Santa Rosa Beach, CA (US)	1
1,364	Punggol, SG	1
1,365	Uxbridge, GB	1
1,366	Bareilly, IN	1
1,367	Jammu, IN	1
1,368	Ludhiana, IN	1
1,369	Warwick, PA (US)	1
1,370	New Providence, NJ (US)	1
1,371	Playa Vista, CA (US)	1
1,372	Beccar—San Isidro—Provincia de Bs As, AR	1
1,373	Salto, AR	1
1,374	Tamilnadu, IN	1
1,375	Hyperbad, IN	1
1,376	Fukuoka, JP	1
1,377	Szentendre, HU	1
1,378	Gan Yavne, IL	1
1,379	Berkeley Hts, NJ (US)	1
1,380	Malibu, CA (US)	1
1,381	Kawasaki Kanagawa, JP	1
1,382	Chigasaki Kanagawa, JP	1
1,383	Yokohama Kanagawa, JP	1
1,384	Brasil, BR	1
1,385	Paraná, BR	1
1,386	Curitiba Paraná, BR	1
1,387	Huntsville, AL (US)	1
1,388	Downers Grove, IL (US)	1
1,389	Carrigaline, IE	1
1,390	Kefar Sava, IL	1
1,391	Tandil, AR	1
1,392	Suwon, KR	1
1,393	Asan, KR	1
1,394	Rehovot, IL	1
1,395	Ingolstadt, DE	1

#	Location	Patents
1,396	Beilngries, DE	1
1,397	Vohburg, DE	1
1,398	Upper Cambourne, GB	1
1,399	Kelsterbach, DE	1
1,400	Branford, CT (US)	1
1,401	Quatre Bornes, MU	1
1,402	Chevreuse, FR	1
1,403	Saint-Germain en Laye, FR	1
1,404	Corona, CA (US)	1
1,405	Antony, FR	1
1,406	Constance, DE	1
1,407	Allensbach, DE	1
1,408	Pacific Palisades, CA (US)	1
1,409	Half Moon Bay, CA (US)	1
1,410	Oak Park, CA (US)	1
1,411	Wauwatosa, WI (US)	1
1,412	Slinger, WI (US)	1
1,413	Rocky River, OH (US)	1
1,414	Germantown, TN (US)	1
1,415	Memphis, TN (US)	1
1,416	North Colonie, NY (US)	1
1,417	Santa Clarita, CA (US)	1
1,418	Marlboro, NJ (US)	1
1,419	Kinrooi, BE	1
1,420	Würselen, DE	1
1,421	Inden, DE	1
1,422	Roque Pérez, AR	1
1,423	Gwangju-si, KR	1
1,424	Traverse City, MI (US)	1
1,425	Lubbock, TX (US)	1
1,426	Elizabeth Bay, AU	1
1,427	Lessos, KE	1
1,428	County Wickow, IE	1
1,429	Pulpally, IN	1
1,430	Fayetteville, GA (US)	1
1,431	Limonest, FR	1
1,432	Boulogne-Billancourt, FR	1
1,433	Slatina, RO	1
1,434	Yerevan, AM	1
1,435	Braga, PT	1
1,436	Boonton, NJ (US)	1
1,437	Dvira, IL	1
1,438	Udaipur, IN	1
1,439	Banagalore, IN	1
1,440	Spring Valley, CA (US)	1

LOCATIONS

#	Location	Patents
1,441	Cobano, CR	1
1,442	San Rafael, CR	1
1,443	Wallkill, NY (US)	1
1,444	Montrose, NY (US)	1
1,445	Newtown, CT (US)	1
1,446	Rewari, IN	1
1,447	Amsterdam, NY (US)	1
1,448	Cardiff-by-the-Sea, CA (US)	1
1,449	Staffordshire, GB	1
1,450	Nakhon-Ratchasima, TH	1
1,451	Woodlands, SG	1
1,452	Union, GA	1
1,453	Malden, MA (US)	1
1,454	Township of Washington, NJ (US)	1
1,455	Minato-ku, KR	1
1,456	Milton, GA (US)	1
1,457	Machida, JP	1
1,458	Plandome, NY (US)	1
1,459	Reading, GB	1
1,460	Owerri, NG	1
1,461	Madhya Pradesh, IN	1
1,462	Pujab, IN	1
1,463	Rebstein, CH	1
1,464	Heerbrugg, CH	1
1,465	Santa Fe, NM (US)	1
1,466	Beckenham, GB	1
1,467	St. Albans, GB	1
1,468	Newick Lewes, GB	1
1,469	Manassas, VA (US)	1
1,470	Mill Neck, NJ (US)	1
1,471	Pawtucket, RI (US)	1
1,472	Bhagalpur, IN	1
1,473	Arlington, MA (US)	1
1,474	Lodi, CA (US)	1
1,475	Hesperange, LU	1
1,476	Saint Charles, IL (US)	1
1,477	Celje, SI	1
1,478	Coopers Shoot, AU	1
1,479	Aubry, TX (US)	1
1,480	Celina, TX (US)	1
1,481	Cologne, DE	1
1,482	Peachtree Corners, GA (US)	1
1,483	Bingen am Rhein, DE	1
1,484	Schönaich, DE	1
1,485	Täby, SE	1

#	Location	Patents
1,486	Uppsala, SE	1
1,487	Marlton, NJ (US)	1
1,488	Bordentown, NJ (US)	1
1,489	Modesto, CA (US)	1
1,490	Falmouth, ME (US)	1
1,491	Maple, CA	1
1,492	Chesthill, MA (US)	1
1,493	Allen Park, MI (US)	1
1,494	Beverly Hills, MI (US)	1
1,495	League City, TX (US)	1
1,496	Lockhart, TX (US)	1
1,497	Puenos Aires, AR	1
1,498	Bokaro, IN	1
1,499	Dhubri, IN	1
1,500	Alwar, IN	1
1,501	Sansana, IL	1
1,502	Great Barrington, MA (US)	1
1,503	Long Island City, NY (US)	1
1,504	Hinganghat, IN	1
1,505	Dhekiajuli, IN	1
1,506	TamilNadu, IN	1
1,507	Goffstown, NH (US)	1
1,508	West Newbury, MA (US)	1
1,509	Barrington, RI (US)	1
1,510	Mountain Lakes, NJ (US)	1
1,511	Warngau, DE	1
1,512	Pound Ridge, NY (US)	1
1,513	Hawthorne, NJ (US)	1
1,514	Kanagawa-ken, JP	1
1,515	Mineola, NY (US)	1
1,516	San Franciso, CA (US)	1
1,517	Little Elm, TX (US)	1
1,518	Franklin Park, NJ (US)	1
1,519	Apopka, FL (US)	1
1,520	Oviedo, FL (US)	1
1,521	Marseilles, FR	1
1,522	Allahabad-Prayagraj, IN	1
1,523	Erie, PA (US)	1
1,524	Durham, CT (US)	1
1,525	Incline Village, NV (US)	1
1,526	Belle Meade, NJ (US)	1
1,527	Butler, PA (US)	1
1,528	Savyon, IL	1
1,529	Ashdod, IL	1
1,530	Sderot, IL	1

LOCATIONS

#	Location	Patents
1,531	Ganei Tikva, IL	1
1,532	Kirchheim/Teck, DE	1
1,533	Wenham, MA (US)	1
1,534	Bangalore KA, IN (US)	1
1,535	Kanchipuram District, IN	1
1,536	Lathrup Village, MI (US)	1
1,537	Carson, CA (US)	1
1,538	Hudson, WI (US)	1
1,539	Circle Pines, MN (US)	1
1,540	Belton, TX (US)	1
1,541	Aldie, VA (US)	1
1,542	Fairless Hills, PA (US)	1
1,543	Horamavu, IN	1
1,544	Cumberland, PA (US)	1
1,545	Bedminster, NJ (US)	1
1,546	Westclif-on-Sea, GB	1
1,547	Moscow Region, RU	1
1,548	Savannah, TX (US)	1
1,549	Lucknow, IN	1
1,550	South Riding, VA (US)	1
1,551	Ebetsu, JP	1
1,552	Verona, WI (US)	1
1,553	Jordan, MN (US)	1
1,554	Brossard, CA	1
1,555	Sagamihara, JP	1
1,556	Hannover, DE	1
1,557	Rimbach, DE	1
1,558	Guanaba, AU	1
1,559	Lutwyche, AU	1
1,560	Vlaams Brabant, BE	1
1,561	Xian, CN	1
1,562	Reutov, RU	1
1,563	Kissimee, FL (US)	1
1,564	Wakefield, MA (US)	1
1,565	North Miami Beach, FL (US)	1
1,566	Saint-Lambert, CA	1
1,567	Seven Hills, AU	1
1,568	Bonbeach, AU	1
1,569	Potts Point, AU	1
1,570	Solana Beach, CA (US)	1
1,571	Riverside, CA (US)	1
1,572	Biot, FR	1
1,573	Santiago, CL	1
1,574	Iron Station, NC (US)	1
1,575	Hayward, CA (US)	1

#	Location	Patents
1,576	Aylesbury, GB	1
1,577	Paradise Valley, AZ (US)	1
1,578	Plymouth, MA (US)	1
1,579	North Wales, PA (US)	1
1,580	Ardmore, PA (US)	1
1,581	West Chester, PA (US)	1
1,582	Wynnewood, PA (US)	1
1,583	Aprilia Lt, IT	1
1,584	Latina Lt, IT	1
1,585	Changchun, CN	1
1,586	Payson, UT (US)	1
1,587	Kaunas, LT	1
1,588	Utrecht, NL	1
1,589	Wellington, NZ	1
1,590	Bethany, CT (US)	1
1,591	Sandton, ZA	1
1,592	Batiment, FR	1
1,593	West Bengal, IN	1
1,594	Hoerlkofen, DE	1
1,595	Haar, DE	1
1,596	Hohenkammer, DE	1
1,597	Valhalla, NY (US)	1
1,598	Ningbo, CN	1
1,599	Glenville, IE	1
1,600	Ballybunion, IE	1
1,601	Jharkand, IN	1
1,602	Putnam Valley, NY (US)	1
1,603	Hanoi, VN	1
1,604	Ringwood, GB	1
1,605	Hwaseong-si, KR	1
1,606	Plascassier, FR	1
1,607	Pompano Beach, FL (US)	1
1,608	Deale, MD (US)	1
1,609	Yorktown Heighls, NY (US)	1
1,610	Goyang-si, KR	1
1,611	Guindy, IN	1
1,612	Lake Forest Park, WA (US)	1
1,613	Koolkerke, BE	1
1,614	Bellevue, IA (US)	1
1,615	Rochester, MI (US)	1
1,616	Lacey, WA (US)	1
1,617	Troy, NY (US)	1
1,618	Glenmont, NY (US)	1
1,619	North Richland Hills, TX (US)	1
1,620	Wylie, TX (US)	1

LOCATIONS

#	Location	Patents
1,621	Wilton, CT (US)	1
1,622	Suffern, NY (US)	1
1,623	Dillion, CO (US)	1
1,624	Zgierz, PL	1
1,625	Thalwil, CH	1
1,626	Williamsville, NY (US)	1
1,627	Buffalo, NY (US)	1
1,628	Hamburg, NY (US)	1
1,629	Oberwil, CH	1
1,630	Gundelfingen, DE	1
1,631	Ilford, GB	1
1,632	Madhya Pradash, IN	1
1,633	Forest Grove, OR (US)	1
1,634	Tramore, IE	1
1,635	Södra Sunderby, SE	1
1,636	Luleå, SE	1
1,637	Jaipur, IN	1
1,638	Bempflingen, DE	1
1,639	Trail Manor, TX (US)	1
1,640	Merrick, NY (US)	1
1,641	Massapequa Park, NY (US)	1
1,642	Middlesex, NJ (US)	1
1,643	Westampton, NJ (US)	1
1,644	Patton, PA (US)	1
1,645	Cassa de la Selva, ES	1
1,646	Girona, ES	1
1,647	Ostego, MN (US)	1
1,648	Knoxville, TN (US)	1
1,649	Meyrin, CH	1
1,650	Narasaraopet, IN	1
1,651	Odintzovo, RU	1
1,652	Mangalore, IN	1
1,653	Pearland, TX (US)	1
1,654	New Boston, MI (US)	1
1,655	Alameda, CA (US)	1
1,656	Nagar, IN	1
1,657	Thane East, IN	1
1,658	Springfiled, MA (US)	1
1,659	The Dalles, OR (US)	1
1,660	Brewster, NY (US)	1
1,661	Slomniki, PL	1
1,662	Lodz, PL	1
1,663	San Jose, CR	1
1,664	Yangpu District, CN	1
1,665	Hopewell Junction, NY (US)	1

#	Location	Patents
1,666	Campinas, BR	1
1,667	Sumaré, BR	1
1,668	Jenks, OK (US)	1
1,669	Owasso, OK (US)	1
1,670	Alajuela, CR	1
1,671	Pikeville, TN (US)	1
1,672	Santo Domingo, CR	1
1,673	Kochav Yair, IL	1
1,674	Essen, DE	1
1,675	Canberra, AU	1
1,676	Åbo, FI	1
1,677	Raisio, FI	1
1,678	Shenyang, CN	1
1,679	Saint Jeannet, FR	1
1,680	Nice Meridia, FR	1
1,681	Lund, SE	1
1,682	Tyresö, SE	1
1,683	Dalby, SE	1
1,684	Kingwood, TX (US)	1
1,685	Ballwin, MO (US)	1
1,686	Kaluga, RU	1
1,687	Lynnfield, MA (US)	1
1,688	Pittsboro, NC (US)	1
1,689	Lancaster, PA (US)	1
1,690	Santa Rosa Beach, FL (US)	1
1,691	Wake, NC (US)	1
1,692	Mt. Vernon, OH (US)	1
1,693	Amesbury, MA (US)	1
1,694	Weehawken, NJ (US)	1
1,695	West New York, NJ (US)	1
1,696	Crofton, MD (US)	1
1,697	Santa Barbara, CA (US)	1
1,698	Long Beach, CA (US)	1
1,699	Simi Valley, CA (US)	1
1,700	Briancilff Manor, NY (US)	1
1,701	Astoria Park, SG	1
1,702	Katy, TX (US)	1
1,703	Corryton, TN (US)	1
1,704	Murray Hill, NJ (US)	1
1,705	Rockwall, TX (US)	1
1,706	Wesley Chapel, FL (US)	1
1,707	Mumbra, IN	1
1,708	Antibes-Juan les pin, FR	1
1,709	Cagnes-sur-Mer, FR	1
1,710	Chigasakl, JP	1

LOCATIONS

#	Location	Patents
1,711	Wallingford, PA (US)	1
1,712	Pennington, NJ (US)	1
1,713	Gwangju, KR	1
1,714	Rego Park, NY (US)	1
1,715	Bowie, MD (US)	1
1,716	Euless, TX (US)	1
1,717	Corvallis, OR (US)	1
1,718	Helskinki, FI	1
1,719	Attapur, IN	1
1,720	Port Chester, NY (US)	1
1,721	Burbank, CA (US)	1
1,722	Otsego, MN (US)	1
1,723	Chittoor, IN	1
1,724	Rott, DE	1
1,725	Borthen, DE	1
1,726	Princeton Junction, NJ (US)	1
1,727	Florianópolis, BR	1
1,728	Ramot Hasavim, IL	1
1,729	Merzhausen, DE	1
1,730	Murray, UT (US)	1
1,731	Riverton, UT (US)	1
1,732	Shawnee, KS (US)	1
1,733	Ernakulam, IN	1
1,734	Les Pennes Mirabeau, FR	1
1,735	Chalfont St Giles, GB	1
1,736	Perez Zeledon, CR	1
1,737	Hatillo, CR	1
1,738	Tujunga, CA (US)	1
1,739	Pagosa Springs, CO (US)	1
1,740	Linton Maidstone KENT, GB	1
1,741	Barrington, NH (US)	1
1,742	Tanah Merah, AU	1
1,743	Bellbird Park, AU	1
1,744	Happy Valley, OR (US)	1
1,745	Bend, OR (US)	1
1,746	Hillsboro, VA (US)	1
1,747	Plaistow, NH (US)	1
1,748	North Chelmsford, MA (US)	1
1,749	Leominster, MA (US)	1
1,750	Manotick, CA	1
1,751	Gatineau, CA	1
1,752	Groton, MA (US)	1
1,753	Montevideo, UY	1
1,754	Gonzalez Catan, AR	1
1,755	Grosse Point Farms, MI (US)	1

#	Location	Patents
1,756	Littleton, MA (US)	1
1,757	Corcoran, CA (US)	1
1,758	Bear, DE (US)	1
1,759	Winter Garden, FL (US)	1
1,760	Odisha, IN	1
1,761	Farnham, GB	1
1,762	Ponda Goa, IN	1
1,763	Newark, DE (US)	1
1,764	Maryville, TN (US)	1
1,765	Dunshaughlin, IE	1
1,766	Mukilteo, WA (US)	1
1,767	Ferndown, GB	1
1,768	Eastleigh, GB	1
1,769	Portland, OH (US)	1
1,770	Weilerbach, LU	1
1,771	Madison, NJ (US)	1
1,772	Earnley, GB	1
1,773	Beaufort, NC (US)	1
1,774	Victoria, CA	1
1,775	Lake Cowichan, CA	1
1,776	Renningen, DE	1
1,777	Chula Vista, CA (US)	1
1,778	Richmond, TX (US)	1
1,779	Tlaquepaque, MX	1
1,780	Mandaluyong, PH	1
1,781	Pampanga, PH	1
1,782	Dumaguete, PH	1
1,783	Nipomo, CA (US)	1
1,784	Melbourne, AU	1
1,785	Laytonsville, MD (US)	1
1,786	Apto, BR	1
1,787	Bee Cave, TX (US)	1
1,788	Sylmar, CA (US)	1
1,789	Cedar Rapids, IA (US)	1
1,790	Marion, IA (US)	1
1,791	Annapolis, MD (US)	1
1,792	Selden, NY (US)	1
1,793	College Park, MD (US)	1
1,794	Balakhna, RU	1
1,795	Laguna-Hills, CA (US)	1
1,796	Columbus, GA (US)	1
1,797	The Basin, AU	1
1,798	Jay, NY (US)	1
1,799	Oroville, WA (US)	1
1,800	Westlake Village, CA (US)	1

LOCATIONS

#	Location	Patents
1,801	Riruta Satelite, KE	1
1,802	Moorpark, CA (US)	1
1,803	Orleans, MA (US)	1
1,804	Holden, MA (US)	1
1,805	Tarrytown, NY (US)	1
1,806	Luxembourg, DE	1
1,807	Wiltshire, GB	1
1,808	Mysore, IN	1
1,809	Karimnagar, IN	1
1,810	Bedford, NH (US)	1
1,811	Banglore, IN	1
1,812	Edgewater, FL (US)	1
1,813	Bucerias, MX	1
1,814	Dar es Salaam, TZ	1
1,815	Valley Park, MO (US)	1
1,816	Greenbelt, MD (US)	1
1,817	Jasola, IN	1
1,818	Greenwich, CT (US)	1
1,819	Stainz, AT	1
1,820	Overijse, BE	1
1,821	Elgin, IL (US)	1
1,822	Arlington Heights, IL (US)	1
1,823	Woodstock, NY (US)	1
1,824	Wappinger Falls, NY (US)	1
1,825	Stormville, NY (US)	1
1,826	Westchester, NY (US)	1
1,827	Geulim, IL	1
1,828	Zidman, IL	1
1,829	Roznow, PL	1
1,830	Ellicott City, MD (US)	1
1,831	Oakville, CA	1
1,832	Bucharest, RO	1
1,833	Freehold, NJ (US)	1
1,834	Port Washington, NY (US)	1
1,835	Kingston, JM	1
1,836	Gardena, CA (US)	1
1,837	Rueil Malmaison, FR	1
1,838	Juvignac, FR	1
1,839	Chicago, IL	1
1,840	Cherry Hills Village, CO (US)	1
1,841	Pinole, CA (US)	1
1,842	Pudong New District, CN	1
1,843	Zhejiang Province, CN	1
1,844	Parker, TX (US)	1
1,845	Manasquan, NJ (US)	1

#	Location	Patents
1,846	Saint Petersburg, FL (US)	1
1,847	Auburn, WA (US)	1
1,848	Samborondon, EC	1
1,849	Quito, EC	1
1,850	Watervliet, NY (US)	1
1,851	Sunny Isles Beach, FL (US)	1
1,852	Miramar, FL (US)	1
1,853	Mckinney, TX (US)	1
1,854	Neckartenzlingen, DE	1
1,855	Hamburg, DE	1
1,856	Tuebingen, DE	1
1,857	Steinenbronn, DE	1
1,858	Edmond, OK (US)	1
1,859	Waltham, MA (US)	1
1,860	Raanana, IL	1
1,861	Chadderton Oldham, GB	1
1,862	Christianburg, VA (US)	1
1,863	Eureka Springs, AR (US)	1
1,864	Rishon Leziyon, IL	1
1,865	Chatham, NJ (US)	1
1,866	Uxbridge, CA	1
1,867	Enoggera Reservoir, AU	1
1,868	Annerley, AU	1
1,869	Hangzhou, CA (US)	1
1,870	Benton, AR (US)	1
1,871	North Brunswick, NJ (US)	1
1,872	Alston, MA (US)	1
1,873	Lyons, CO (US)	1
1,874	Boxford, MA (US)	1
1,875	Waterford, IE	1
1,876	Jamestown, RI (US)	1
1,877	Ft. Lauderdale, FL (US)	1
1,878	Newport, RI (US)	1
1,879	Beit Shemesh, IL	1
1,880	Efrat, IL	1
1,881	Briarcliff Manor, NY (US)	1
1,882	Secunderabad, IN	1
1,883	Mougins, FR	1
1,884	Pégomas, FR	1
1,885	Nußloch, DE	1
1,886	St. Johns, FL (US)	1
1,887	Rockland, MA (US)	1
1,888	Stoneham, MA (US)	1
1,889	Burdwan, IN	1
1,890	Patna, IN	1

LOCATIONS

#	Location	Patents
1,891	Mount Airy, MD (US)	1
1,892	Hastings On Hudson, NY (US)	1
1,893	Chestnut Ridge, NY (US)	1
1,894	Mt Kisco, NY (US)	1
1,895	Dedham, MA (US)	1
1,896	Worms, DE	1
1,897	Bristol, GB	1
1,898	Foshan, CN	1
1,899	Gangzhou, CN	1
1,900	Kennesaw, GA (US)	1
1,901	Buckinghamshire, GB	1
1,902	Mexico City, MX	1
1,903	Wetson, FL (US)	1
1,904	Palm Springs, CA (US)	1
1,905	Loveland, OH (US)	1
1,906	Pooler, GA (US)	1
1,907	Douglasville, GA (US)	1
1,908	Paltz, NY (US)	1
1,909	Armonk, NY (US)	1
1,910	Federal Way, WA (US)	1
1,911	Niarobi, KE	1
1,912	Valbonne, FR	1
1,913	Morgan Hill, CA (US)	1
1,914	Playa Del Ray, CA (US)	1
1,915	Jona, CH	1
1,916	Corupa, BR	1
1,917	South Australia, AU	1
1,918	Napersville, IL (US)	1
1,919	Belize, BZ	1
1,920	Sequim, WA (US)	1
1,921	Sophia Antipolis, FR	1
1,922	Cagnes sur Mer, FR	1
1,923	Maple Valley, WA (US)	1
1,924	La Mesa, CA (US)	1
1,925	Tartu, EE	1
1,926	Amsterdam, NL	1
1,927	Perth, AU	1

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
1	20240211899	2024-03-12	METHOD AND SYSTEM FOR IMPLEMENTING AN ELECTRONIC EXCHANGE FOR BILL PAY AND OTHER TRANSACTIONS VIA AN INTERBANK INFORMATION NETWORK (IIN)	Steve HOFFMAN; Sejdo RADONCIC; Tiffany WAN; Amy LESLIE; John BILOZ; Raghvendra SINGH; Maria RESSA; Zachary Chestnut; Thomas EAPEN; Ruwayd DODIN; Amanda PRESTON; Ganesh RAUT; Josephine LANNING; Kimberly YANG; Shriya KOMMURI;	JPMorgan Chase Bank, N.A.;
2	20240211955	2024-03-11	SYSTEMS AND METHODS FOR EXPEDITING MATH-BASED CURRENCY TRANSACTIONS	Ashish Kurani; Wayne Barakat; Martin Barrs; Dominik Vltavsky;	Wells Fargo Bank, N.A.;
3	20240203548	2024-03-04	ELECTRONIC HEALTHCARE RECORD DATA BLOCKCHAIN SYSTEM AND PROCESS	Ronald Austring; Kenneth Hill, SR; Brad Crosslin; Clinton Ferguson, III;	Technologies IP, LLC;
4	20240202763	2024-03-01	BLOCKCHAIN-BASED REWARD SYSTEM	Daniel Kang; Thomas Chen; Jonathan Ko;	
5	20240212044	2024-02-29	SYSTEMS AND METHODS FOR PREPARING FOR AN AUDIT BY RECORDING CORPORATE GOVERNANCE INFORMATION ON AN IMMUTABLE BLOCKCHAIN	Joe KURCZODYNA;	
6	20240203551	2024-02-29	INTERVERTEBRAL CAGE WITH INTEGRATED TRANSMITTER	Niall Casey; Michael Cordonnier; Shariq Hussain;	
7	20240202185	2024-02-28	METHOD AND SYSTEM FOR PRUNING BLOCKS FROM A BLOCKCHAIN	Stephen HIGGINS;	Mastercard International Incorporated;
8	20240211222	2024-02-21	METHOD FOR COMPILING FROM A HIGH-LEVEL SCRIPTING LANGUAGE TO A BLOCKCHAIN NATIVE SCRIPTING LANGUAGE	Craig WRIGHT; Stephane SAVANAH;	
9	20240179007	2024-02-09	Blockchain Index Tracking	Praveen Yalagandula; Vinit Srivastava; Keith Loggie;	
10	20240179019	2024-02-06	CONSENSUS RESULT SYNCHRONIZATION ACROSS ALGORITHMS OF DIFFERENT FAULT TOLERANCE TYPES	Zhichao DU;	Tencent Technology (Shenzhen) Company Limited;
11	20240212078	2024-02-06	NET SETTLEMENT OF SUBROGATION CLAIMS USING A DISTRIBUTED LEDGER	Ryan Maurer; Nolan White; Kyle Weber; Edward Austin; William Guthrie; Dustin Helland; Bharat Prasad; Sharon Haverlah; Karen Shackelford-George;	
12	20240168941	2024-01-31	AUDIT RECORDS MONITORING USING A BLOCKCHAIN STRUCTURE	Ezer Farhi; Peleg Atar; Nataly Beigel; Gal Silverstein; Michael Mualem; Danielle Filin Horovitz; Alona Raz;	
13	20240171798	2024-01-31	SYSTEMS AND METHODS FOR ADAPTING CONTENT ITEMS TO SECURED ENDPOINT MEDIA DEVICE DATA	Jorg Nonnenmacher; Robert Major;	
14	20240169388	2024-01-30	Generating a Tokenized Reputation Score	Tatjana Vlahovic; Someshekhar Banerjee;	eBay Inc.;
15	20240169083	2024-01-29	VERIFICATION METHOD, SERVER, AND RECORDING MEDIUM	Ayaka NAKASAKA; Yuji UNAGAMI; Kakuya YAMAMOTO; Tomoyuki HAGA;	
16	20240169092	2024-01-29	DATA SHARING METHOD AND ELECTRONIC DEVICE	Zhiyuan HU;	
17	20240161108	2024-01-25	METHODS AND SYSTEMS FOR FORENSIC INVESTIGATIONS IN CONTRACT NETWORKS	Vijay Madisetti; Arshdeep Bahga;	
18	20240163118	2024-01-24	BLOCKCHAIN-BASED DATA PROCESSING METHOD, DEVICE, AND READABLE STORAGE MEDIUM	Hanqing LIU; Zongyou WANG; Hu LAN; Gengliang ZHU; Yifang SHI; Qucheng LIU; Zhiyong LIAO; Jinsong ZHANG; Yingjie GUO;	
19	20240160270	2024-01-23	Methods and Apparatus for Characterizing Memory Devices	Jonathan Harms;	
20	20240171377	2024-01-23	SYSTEMS AND METHODS FOR GENERATING A BLOCKCHAIN-BASED USER PROFILE	Brian Fields; Lee Marvin John Assam;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
21	20240163157	2024-01-22	BYZANTINE FAULT PREVENTION IN MESH NETWORKS	Leigh Griffin; Pierre-Yves Chibon;	
22	20240163120	2024-01-19	INFORMATION TRANSMISSION METHOD, SYSTEM AND DEVICE BASED ON BLOCKCHAIN, AND COMPUTER-READABLE STORAGE MEDIUM	Caiting ZHOU; Dandong ZHANG; Yejun QIN; Baoqiang TIAN; Liyan WANG;	
23	20240153327	2024-01-19	SYSTEMS AND METHODS FOR PROVIDING A SECURE PHYSICAL STORAGE SYSTEM	Galen Rafferty; Jeremy Goodsitt; Austin Walters; Christopher Wallace; Brian Barr; Grant Eden; Samuel Sharpe;	
24	20240163119	2024-01-19	DEVICE MANAGEMENT METHOD, SYSTEM, AND APPARATUS	Haiguang WANG; Xin KANG; Tieyan LI; Cheng CHU; Zhongding LEI;	
25	20240185341	2024-01-18	SYSTEMS AND METHODS FOR USING A DIGITAL TRADING PLATFORM TO TRADE SECURITIES ON A BLOCKCHAIN	Joe KURCZODYNA;	
26	20240211467	2024-01-18	METHODS AND SYSTEMS FOR CONTROLLING ACCESS TO, AND INTEGRITY OF, RESOURCES ON A BLOCKCHAIN	Silvia BARTOLUCCI; Pauline BERNAT; Daniel JOSEPH;	
27	20240152632	2024-01-16	CONTENTS BLOCKCHAIN PLATFORM	Young BAE;	
28	20240152654	2024-01-16	SECURE DECENTRALIZED SYSTEM UTILIZING SMART CONTRACTS, A BLOCKCHAIN, AND/OR A DISTRIBUTED FILE SYSTEM	Jonathan LEE; Steve FRENSCH; Ethan GREIG; Anna-Maria NALEPA; Zheng JIAN;	
29	20240153602	2024-01-16	BLOCKCHAIN-BASED PLATFORM FOR HEALTH RECORD EXCHANGE	Vijay Kukreja; Scott Haigh;	
30	20240171721	2024-01-15	REAL-TIME QUALITY DATA MARKETPLACE	Raf Peeters;	
31	20240143806	2024-01-12	SYSTEMS AND METHODS FOR CONTROLLED ACCESS TO BLOCKCHAIN DATA	Melinda Magerkurth; Eric Bellas; Jaime Skaggs; Shawn Call; Eric Moore; Vicki King; Burton Floyd; David Turrentine; Steven Olson; Timothy Wells; Corin Chapman; Edward Breitweiser; Robert Gomez; Shelia Smith;	
32	20240144253	2024-01-12	CONTROL METHOD, SERVER, AND RECORDING MEDIUM	Naohisa NISHIDA;	
33	20240143704	2024-01-11	Blockchain-based Authentication of Artwork	Alberto Antonioli; Pierluigi Zagari;	Collectory S.á r.l.;
34	20240152950	2024-01-11	BLOCKCHAIN-BASED CONVERSATION MANAGEMENT	Nicholas Newell; Swapnil Tilaye;	
35	20240152631	2024-01-10	DATA ACCESS CONTROL FOR USER DEVICES USING A BLOCKCHAIN	Raja Arumugam Maharaja;	
36	20240211933	2024-01-09	COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR DETERMINING THE STATE OF A MACHINE EXECUTABLE CONTRACT IMPLEMENTED USING A BLOCKCHAIN	Pedro JIMENEZ-DELGADO; Craig WRIGHT;	
37	20240161078	2024-01-08	COMPUTING SYSTEM FOR CONFIGURABLE OFF-CHAIN STORAGE FOR BLOCKCHAINS	Scott York; Scott Caesar; Sam Babic;	
38	20240144280	2024-01-05	BLOCKCHAIN ARCHITECTURE WITH RECORD SECURITY	Andrew Sierra; Chackan Lai;	Visa International Service Association;
39	20240205020	2024-01-05	Data Storage Method, Apparatus, and System, Storage Medium, and Program Product	Qiang Qu; Ziyi Zhang; Ruijie Yang;	
40	20240144263	2024-01-04	Systems and Methods to Validate Transactions For Inclusion in Electronic Blockchains	Jeff Stollman;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
41	20240155477	2024-01-04	SYSTEM AND METHOD OF SECURING ALLOCATION OF NETWORK FUNCTIONS FOR SESSION SLICES	Feza Buyukdura;	AT&T Intellectual Property I, L.P.;
42	20240205019	2023-12-29	UNIVERSALLY TRUSTED BRIDGES FOR HETEROGENOUS BLOCKCHAIN NETWORKS	Michael Jim Tien Chan; Oluwatomisin Jenrola; Vladimir Bacvanski; John Timoney; Daniel Santiago Rincon Silva; Aklen Altanel; Liam DiGregorio; Suryatej Gundavelli;	
43	20240152995	2023-12-29	Financial Swap Payment Structure Method and System on Transportation Capacity Unit Assets	Erik SIMPSON;	
44	20240211943	2023-12-28	CONSTRAINING INJECTION OF UNLOCKING TRANSACTION BYTECODE	Ying CHAN; Dean KRAMER;	
45	20240214180	2023-12-28	SYSTEMS AND METHODS FOR STORAGE, GENERATION AND VERIFICATION OF TOKENS USED TO CONTROL ACCESS TO A RESOURCE	Craig WRIGHT;	
46	20240127268	2023-12-27	BLOCKCHAIN CONSUMER LEDGER	Frank Joseph Lamont Gauld;	
47	20240127355	2023-12-26	SYSTEMS AND METHODS FOR BUILDING AND UTILIZING AN AUTONOMOUS VEHICLE- RELATED EVENT BLOCKCHAIN	Matthew Floyd; Alvin Hon-Wai Yu; Antwuan Murphy; Brittney Benzio; Lindsi Brantley; Matthew Delaney; Matthew Vulich; Matthew Rodriguez; Neha Goel; Sabrina Collins; Annie Murillo;	
48	20240184881	2023-12-24	AGENT-BASED TURING COMPLETE TRANSACTIONS INTEGRATING FEEDBACK WITHIN A BLOCKCHAIN SYSTEM	Craig WRIGHT; Stephane SAVANAH;	
49	20240211466	2023-12-24	PROBABILISTIC RELAY FOR EFFICIENT PROPAGATION IN A BLOCKCHAIN NETWORK	Simone MADEO; Patrick MOTYLINSKI; Giuseppe DESTEFANIS; Stephane VINCENT;	
50	20240161118	2023-12-22	Integrated System and Method for Smart Contract Creation, Asset Registration, and Blockchain Integration with Consensus Order and Wallet Transactions	Anna Sarkisyan; Blake Rice; Evgenii Khromin; Ivan Sinitsyn; Kirill Lopurko; Iakov Baturov;	Evrica Technologies Inc.;
51	20240127053	2023-12-22	METHODS, ARCHITECTURES AND SYSTEMS FOR PROGRAM DEFINED SYSTEMS	RANDALL KATZ; Robert Tercek;	MILESTONE ENTERTAINMENT, LLC;
52	20240127648	2023-12-22	BLOCKCHAIN-CONTROLLED AND LOCATION-VALIDATED LOCKING SYSTEMS AND METHODS	Ranjeev Singh;	
53	20240127919	2023-12-22	EVENT TRACKING FOR ADVANCED THERAPY MEDICINAL PRODUCTS	Raja SHARIF;	
54	20240211847	2023-12-22	Product Rights Management Systems and Methods Using Secure Tags and Cryptographic Tokens	Yutaka Nagao; Talal Shamoon; Albhy Galuten; Michael Manente;	Intertrust Technologies Corporation;
55	20240129123	2023-12-20	BLOCKCHAIN BASED ACCESS TO DEVICES ON A NETWORK WITH LOCAL TOKEN ACQUISITION	Ghanshyam RATHI; Prisha RATHI; Rene PARDO;	
56	20240205000	2023-12-20	DECENTRALIZED BLOCKCHAIN ENABLED MOBILE COMMUNICATIONS ON A SECURE, OPEN AND DISTRIBUTED NETWORK	Amit Modi; Phil Lowman;	Movius Interactive Corporation;
57	20240119520	2023-12-20	GEOLOCATION-BASED MESH AUTOMATIC LENDING NETWORK	Andrew Garner, IV; Chris Kalaboukis; Rameshchandra Ketharaju; Joon Maeng; Ramanathan Ramanathan; Abhijit Rao; Andres Saenz;	Wells Fargo Bank, N.A.;
58	20240202180	2023-12-19	SYSTEM AND METHODS FOR GENERATING DYNAMIC NON-FUNGIBLE TOKENS AND FOR USING THE SAME	Phea Ram;	
59	20240202707	2023-12-19	TRUST WALLET	Thomas Sachson;	
60	20240121357	2023-12-18	DISTRIBUTED LEDGER AND BLOCKCHAIN TECHNOLOGY-BASED RECRUITMENT, JOB SEARCHING AND/OR PROJECT SEARCHING, SCHEDULING, AND/OR ASSET TRACKING AND/OR MONITORING, AND/OR PRINCIPAL/AGENT RELATIONSHIP MANAGEMENT AND/OR MONITORING, APPARATUS AND METHOD	RAYMOND JOAO;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
61	20240135036	2023-12-18	PRIVACY-PRESERVING MOBILITY AS A SERVICE SUPPORTED BY BLOCKCHAIN	Hideji WAKABAYASHI;	Sony Group Corporation;
62	20240168942	2023-12-18	METHOD AND APPARATUS FOR HIERARCHICALLY PRUNING DATA IN BLOCKCHAIN TRANSACTION, DEVICE AND MEDIUM	Wenshuai Zhang; Jing Li;	
63	20240202846	2023-12-18	REAL ESTATE LISTING, MATCHING, AND TRANSACTIONS WITH MULTI-LEVEL VERIFICATION USING BLOCKCHAIN	James Wang;	
64	20240115956	2023-12-18	METHOD FOR CHANGING GAME PARAMETER	Hyeon Na; Min Jeon; Chi Hwang;	FOUNDATION OF SOONGSIL UNIVERSITY-INDUSTRY COOPERATION;
65	20240134916	2023-12-18	SYSTEM AND METHOD OF FACILITATING PUBLISHING AND VERIFICATION OF DIGITAL DOCUMENTS ON A DISTRIBUTED LEDGER	Pawan Khurana; Rajesh Ranjan;	
66	20240211469	2023-12-15	SYSTEM AND METHOD FOR DISTRIBUTING DATA RECORDS USING A BLOCKCHAIN	Martin SEWELL; Daniel JOSEPH; Craig WRiGHT;	
67	20240198239	2023-12-15	GAME SYSTEM AND NON-TRANSITORY COMPUTER-READABLE MEDIUM INCLUDING VIDEO GAME PROCESSING PROGRAM	Naoyuki TAMATE; Yosuke TOYODA;	
68	20240113862	2023-12-14	RAM Hashing in Blockchain Environments	Paul Snow;	Inveniam Capital Partners, Inc.;
69	20240187254	2023-12-14	Validating Authenticity of Electronic Documents Shared via Computer Networks	Brian Deery; Paul Snow; Mahesh Paolini-Subramanya;	Inveniam Capital Partners, Inc.;
70	20240214462	2023-12-14	DEVICE FOR IOT SERVICE	YOUNGHWAN CHOI;	
71	20240111844	2023-12-13	VIDEO GAME INTEGRATION OF CRYPTOGRAPHICALLY SECURED DIGITAL ASSETS	Christopher Andon; Matthew Davis; Hien Pham; Jeremy Schroeder;	NIKE, Inc.;
72	20240202703	2023-12-12	SYSTEM AND METHOD FOR BLOCKCHAIN TRANSACTION MANAGEMENT	Marcelo Brogliato; Yan Martins; Trond Bjoroy;	Hathor Labs;
73	20240178997	2023-12-11	SYSTEM FOR PROVIDING BLOCKCHAIN DID-BASED OPEN BADGE AND METHOD THEREOF	Myoung CHOI;	SWEMPIRE CO., LTD.;
74	20240202711	2023-12-11	DECENTRALIZED INCENTIVE SYSTEM FOR VALIDATING TRANSACTIONS TO BLOCKCHAIN MINERS	Sujay Purandare;	
75	20240214816	2023-12-11	PROTECTING A TELECOMMUNICATIONS NETWORK USING NETWORK COMPONENTS AS BLOCKCHAIN NODES	Ahmad Obaidi;	
76	20240202824	2023-12-11	SMART CONTRACT SECURITY AUDITING	Yazan Boshmaf; Sajitha Liyanage;	
77	20240104090	2023-12-07	BLOCKCHAIN REGISTRY SCALING	Braden Pezeshki; Matthew Gould; Bogdan Gusiev; Sergii Bomko; Vladyslav Batyrenko;	
78	20240111881	2023-12-07	SYSTEMS AND METHODS FOR VERIFYING DATA VIA BLOCKCHAIN	Melinda Magerkurth; Eric Bellas; Jaime Skaggs; Shawn Call; Eric Moore; Vicki King; Burton Floyd; David Turentine; Steven Olson; Timothy Wells; Corin Chapman; Edward Breitweiser; Robert Gomez; Shelia Smith;	
79	20240126825	2023-12-07	SHARING DATA VIA TRANSACTIONS OF A BLOCKCHAIN	Brock DOIRON; Craig Wright;	
80	20240113861	2023-12-07	ADAPTIVE SECURITY FOR SMART CONTRACTS USING HIGH GRANULARITY METRICS	Venkata Siva Vijayendra BHAMIDIPATI; Michael CHAN; Derek CHAMORRO; Arpit JAIN; Ashok MURTHY;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
81	20240106674	2023-12-05	AUTONOMOUS DISTRIBUTED WIDE AREA NETWORK HAVING CONTROL PLANE AND ORDER MANAGEMENT ON A BLOCKCHAIN	Paul Valenzuela; Christian Martinez;	
82	20240120940	2023-12-05	SYSTEM AND METHOD FOR DISTRIBUTED NODE-BASED DATA COMPACTION	Joshua Cooper; Aliasghar Riahi; Mojgan Haddad; Razmin Riahi; Ryan Riahi; Charles Yeomans;	
83	20240185229	2023-12-05	SYSTEMS AND METHODS FOR CREATING AND USING SUSTAINABILITY TOKENS	Ivan Dashkov;	
84	20240104524	2023-12-04	METHODS AND SYSTEMS FOR PRE-VERIFICATION OF CRYPTOCURRENCY TRANSACTIONS ON BLOCKCHAIN NETWORKS	Lawrence Holisky, JR; JoseCarlos Azua;	
85	20240129108	2023-12-04	DATA PROCESSING METHODS AND APPARATUSES BASED ON BLOCKCHAIN, ELECTRONIC DEVICE, COMPUTER-READABLE STORAGE MEDIUM, AND COMPUTER PROGRAM PRODUCT	Qucheng LIU; Rui GUO; Jun LIANG; Like SHU; Zongyou WANG; Hu LAN; Yang LU; Hanqing LIU; Jun LI; Hui ZHANG; Gengliang ZHU; Kaixuan NIE; Yifang SHI; Zhiyong LIAO; Yangjun HUANG;	
86	20240135257	2023-12-04	SYSTEM AND METHOD FOR SELF-HEALING IN DECENTRALIZED MODEL BUILDING FOR MACHINE LEARNING USING BLOCKCHAIN	Sathyanarayanan Manamohan; KrishnaPrasad Shastry; Vishesh Garg;	
87	20240152505	2023-12-04	DATA PROCESSING METHOD AND APPARATUS BASED ON BLOCKCHAIN, DEVICE, AND MEDIUM	Qucheng LIU;	Tencent Technology (Shenzhen) Company Limited;
88	20240104525	2023-12-04	METHODS AND SYSTEMS FOR PRE-VERIFICATION OF CRYPTOCURRENCY TRANSFERS USING TEST TRANSACTIONS	Lawrence Holisky, JR; JoseCarlos Azua;	
89	20240104696	2023-12-04	IMAGE PROCESSING METHOD AND APPARATUS, STORAGE MEDIUM, ELECTRONIC DEVICE, AND PRODUCT	Yang TAN;	
90	20240160755	2023-12-04	CROSS-CHAIN RESOURCE TRANSFER USING RESOURCE TRANSFER CERTIFICATE	Yifang SHI; Zongyou WANG; Qucheng LIU; Gengliang ZHU; Hanqing LIU; Zhiyong LIAO; Yangjun HUANG; Kaixuan NIE;	Tencent Technology (Shenzhen) Company Limited;
91	20240097898	2023-12-02	BLOCKCHAIN DATA PROCESSING METHOD AND APPARATUS, COMPUTER DEVICE, MEDIUM, AND PRODUCT	Hanqing LIU; Zongyou WANG; Hu LAN; Yifang SHI; Gengliang ZHU; Qucheng LIU; Zhiyong LIAO;	Tencent Technology (Shenzhen) Company Limited;
92	20240104561	2023-12-01	DECENTRALIZED COMPUTER SYSTEMS AND METHODS FOR EFFICIENT TRANSACTION DISPUTE MANAGEMENT USING BLOCKCHAIN	Ramesh VIJAYARAGHAVAN;	
93	20240095773	2023-12-01	SYSTEM AND METHOD FOR CREATING CRYPTOGRAPHIC ASSETS THAT DESCRIBE CONTENT-DISPLAY RIGHTS FOR THE HOLDER AND THE USE AND EXCHANGE THEREOF	John Davenport;	
94	20240097917	2023-12-01	USER DATA MANAGEMENT METHOD AND RELATED DEVICE	Xueqiang YAN; Mingyu ZHAO; Jianjun WU;	
95	20240104562	2023-12-01	SYSTEM AND METHOD FOR TRACKING OF PROVENANCE AND FLOWS OF GOODS, SERVICES, AND PAYMENTS IN RESPONSIBLE SUPPLY CHAINS	Peter Bodorik; Dawn Jutla;	
96	20240185239	2023-12-01	SERVER AND PLATFORM FOR VERIFYING BLOCKCHAIN-RELATED RELIABILITY IN INTEGRATIVE MANNER AND OPERATING METHOD OF THE SAME	Jong KANG; Ju LIM; Ji YI;	
97	20240106672	2023-11-30	CONTENT GENERATION APPARATUS THAT REGISTERS INFORMATION IN BLOCKCHAIN, CONTROL METHOD FOR CONTENT GENERATION APPARATUS, AND STORAGE MEDIUM	DAIYU UENO; KEIICHIRO KUBO; NAOHIKO TSUCHIDA; MINORU SAKAIDA; ATSUSHI FUJITA; KEISUKE TANAKA;	
98	20240184775	2023-11-30	BLOCKCHAIN DATABASE MANAGEMENT SYSTEM	Craig WRIGHT; Brock DOIRON;	
99	20240097879	2023-11-30	BLOCKCHAIN-BASED DATA MANAGEMENT OF DISTRIBUTED BINARY OBJECTS	Irene Woerner; Ronald Chi King Kong;	
100	20240177178	2023-11-30	BLOCKCHAIN-BASED ASSET AUTHENTICATION METHODS AND SYSTEMS	Nicole Steel;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
101	20240184747	2023-11-30	METHOD AND SYSTEM FOR BLOCKCHAIN-BASED DATA MANAGEMENT	GWAN-HWAN HWANG;	
102	20240095848	2023-11-29	EVIDENCE ORACLES	William Leise; Douglas Graff; Anthony McCoy; Jaime Skaggs; Shawn Call; Stacie McCullough; Wendy Clayton; Melinda Magerkurth; Kim Flesher; Travis Runge;	
103	20240174114	2023-11-29	DEVICE FOR ACQUIRING, SYSTEM, AND METHOD OF ACQUIRING, AND RECORDING MEDIUM	Mikiro KURODA;	
104	20240095846	2023-11-28	FAULT DETERMINATION OF BLOCKCHAIN SUBROGATION CLAIMS	Shawn Call; Jaime Skaggs; Eric Bellas; Douglas Graff; William Leise; Vicki King; Jacob Alt; Eric Moore; Stacie McCullough;	
105	20240098699	2023-11-28	METHOD FOR MOBILITY MANAGEMENT IN SATELLITE-TERRESTRIAL INTEGRATED NETWORK BASED ON BLOCKCHAIN	Zhicheng Qu; Zheng Huang;	ZTE Corporation;
106	20240168735	2023-11-28	SYSTEM AND METHOD FOR COMPILING HIGH-LEVEL LANGUAGE CODE INTO A SCRIPT EXECUTABLE ON A BLOCKCHAIN PLATFORM	Craig WRIGHT; Stephane SAVANAH;	
107	20240171376	2023-11-28	RAPID DISTRIBUTED CONSENSUS ON BLOCKCHAIN	John FLETCHER; Thomas TREVETHAN; Marco BARDOSCIA;	
108	20240177166	2023-11-28	PROFILING-BASED DETECTION FOR BLOCKCHAINS	Huagang Xie; Wei Xu;	
109	20240205033	2023-11-28	IMAGE PICKUP APPARATUS CAPABLE OF GUARANTEEING AUTHENTICITY OF CONTENT DISTRIBUTED IN REAL TIME WHILE PHOTOGRAPHING, CONTENT MANAGEMENT APPARATUS, CONTROL METHOD FOR IMAGE PICKUP APPARATUS, CONTROL METHOD FOR CONTENT MANAGEMENT APPARATUS, AND STORAGE MEDIUM	DAIYU UENO;	
110	20240086930	2023-11-27	BLOCKCHAIN TRANSACTION SAFETY	David Kuchar; Malcolm Garland;	STRONG FORCE TX PORTFOLIO 2018, LLC;
111	20240095380	2023-11-27	BLOCKCHAIN TECHNOLOGY FOR REGULATORY COMPLIANCE OF DATA MANAGEMENT SYSTEMS	David Zlotnick; Natali Gaash; Roi Wexler; Aviad Gispan; Inbar Helbitz;	
112	20240104243	2023-11-27	SECURE MESSAGING IN A MACHINE LEARNING BLOCKCHAIN NETWORK	Victor DODS; Benjamin TAYLOR; William JACK; Leonid ALEKSEYEV;	LEDGERDOMAIN INC.;
113	20240177145	2023-11-27	COMPUTER IMPLEMENTED TECHNIQUES FOR FACILITATING PROMOTIONAL CAMPAIGNS, MARKET-MAKING, AND REGULATORY COMPLIANCE ACTIVITIES RELATING TO BLOCKCHAIN-BASED DIGITAL ASSETS	Andrea Miele; Jessica Dunn; Dean Wolf; Pratik Kadam; Joseph Ioia;	Lucky Hive Ventures LLC;
114	20240086897	2023-11-26	HYBRID ORGANIZATIONAL SYSTEM FOR DATA MANAGEMENT AND TRACKING	Matthew Lindenberger; Luan Dang;	
115	20240087063	2023-11-22	COMPUTER-IMPLEMENTED DOCUMENT TRANSFORMATION SYSTEMS AND METHODS	Edward Wu; Guy Gal; Hilary Saunders; Stephen Saunders; Christopher Dzoba; Prescott Prue; Zachary Karrasch; Jeffrey Judkins; Elizabeth Paris; Adriano Castro; Mark Stefik;	
116	20240097902	2023-11-22	PARALLEL BLOCK PROCESSING IN BLOCKCHAINS	Marcus BOORSTIN;	
117	20240171414	2023-11-22	BLOCKCHAIN-BASED ELECTRONIC DOCUMENT VAULT	Sean Johnson; Todd Wesche;	
118	20240179020	2023-11-22	Systems and Methods for Enforcing Compliance or Private Transactions	Matthew Green;	
119	20240086553	2023-11-21	SOFTWARE PIPELINE AND RELEASE VALIDATION	Yoav Landman;	
120	20240086929	2023-11-21	Systems And Methods For Decreasing Counterparty Settlement Risk	Ashu SWAMI;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
121	20240127235	2023-11-21	EXTENDING A SECURE KEY STORAGE FOR TRANSACTION CONFIRMATION AND CRYPTOCURRENCY	Rolf Lindemann;	
122	20240095728	2023-11-20	BLOCKCHAIN SYSTEM FOR CONFIDENTIAL AND ANONYMOUS SMART CONTRACTS	Shashank Agrawal; Karl Bünz; Mahdi Zamani; Dan Boneh;	VISA INTERNATIONAL SERVICE ASSOCIATIN; The Board of Trustees of the Leland Stanford Junior University;
123	20240086562	2023-11-20	USER DATA MANAGEMENT METHOD AND RELATED DEVICE	Xueqiang YAN; Mingyu ZHAO; Jianjun WU; Min YAN;	
124	20240169369	2023-11-20	System and Method of authenticating Physical goods Cryptographically	Jacob Elmon; Brandon Elmon;	
125	20240169394	2023-11-20	BLOCKCHAIN-BASED MEMBER TRACKING SYSTEM	Yu Tang; Chih-Yao Lin;	AVIVID INNOVATIVE MEDIA CO., LTD;
126	20240169350	2023-11-19	SECURING TRANSACTIONS WITH A BLOCKCHAIN NETWORK	Michael Fiske;	
127	20240095675	2023-11-19	UPSTREAM VISIBILITY IN SUPPLY-CHAIN	Elisabeth Paulson; Ashish Jagmohan; Ajay Deshpande; Pavithra Harsha; Ali Koc; Krishna Ratakonda; Ramesh Gopinath;	
128	20240089108	2023-11-17	Unified Blockchain for Cross Domain Authoritative Sources of Truth	Kelce Wilson; Jeff Hughes; Tyler Moody; Derek Doran; Gary Tuttle; Joel Rieman;	
129	20240097906	2023-11-17	Rendering Blockchain Operations Resistant to Advanced Persistent Threats (APTs)	Kelce Wilson; Jeff Hughes; Tyler Moody; Derek Doran; Gary Tuttle; Joel Rieman;	
130	20240097907	2023-11-17	Blockchain Records with Third Party Digital Signatures as a Trust Element For High-Risk Digital Content	Kelce Wilson; Jeff Hughes; Tyler Moody; Derek Doran; Gary Tuttle; Joel Rieman;	
131	20240169349	2023-11-17	Method for Attestation of a Hardware Wallet of a Blockchain	Alexander Köberl;	
132	20240202611	2023-11-16	BLOCKCHAIN TRANSACTIVE ENERGY MANAGEMENT SYSTEM	Ashkan Rahimi-Kian; Masoud Bashari; Javad Zare; Ehsan Saradar-Torshizi; Kaveh Aflaki;	IEMS Solution Ltd;
133	20240202844	2023-11-16	ELECTRIC VEHICLE FLEET MOBILE APPLICATION	Ashkan Rahimi-Kian; Masoud Bashari; Javad Zare; Ehsan Saradar-Torshizi; Kaveh Aflaki;	IEMS Solution Ltd;
134	20240163336	2023-11-15	FAST PROPAGATION OF RECENT TRANSACTIONS OVER A BLOCKCHAIN NETWORK	Giuseppe DESTEFANIS; Patrick MOTYLINSKI; Stephane VINCENT; Craig WRIGHT;	
135	20240205032	2023-11-15	BLOCKCHAIN DATA PROCESSING METHOD, APPARATUS, AND DEVICE, COMPUTER-READABLE STORAGE MEDIUM, AND COMPUTER PROGRAM PRODUCT	Zongyou WANG; Jun LIANG; Like SHU; Hu LAN; Yifang SHI; Zhiyong LIAO; Qucheng LIU; Hanqing LIU; Yangjun HUANG; Kaixuan NIX; Gengliang ZHU;	
136	20240171599	2023-11-15	INTRUSION DETECTION SYSTEM FOR IOT NETWORKS USING BLOCKCHAIN-ENABLED FEDERATED LEARNING AND OPERATING METHOD THEREOF	Ki KWON; Mamunur Rashid MD;	
137	20240119429	2023-11-14	METHOD AND SYSTEM FOR EFFICIENT TRANSFER OF CRYPTOCURRENCY ASSOCIATED WITH A PAYROLL ON A BLOCKCHAIN THAT LEADS TO AN AUTOMATED PAYROLL METHOD AND SYSTEM BASED ON SMART CONTRACTS	Craig WRIGHT; Stephane SAVANAH;	
138	20240086874	2023-11-14	SYSTEMS AND METHODS FOR PHYSICAL MATH BASED CURRENCY (MBC) CREDIT CARDS	Ashish Kurani;	Wells Fargo Bank, N.A.;
139	20240086875	2023-11-14	SYSTEMS AND METHODS FOR ONLINE MATH BASED CURRENCY (MBC) CARD-BASED EXCHANGES	Ashish Kurani;	Wells Fargo Bank, N.A.;
140	20240078091	2023-11-13	SMART CONTRACT BLOCKCHAIN ABSTRACTION API	Michael Dowling;	Wells Fargo Bank, N.A.;

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#	Pub. No	Filed	Title	Inventors	Assignees
141	20240078540	2023-11-13	COMPUTER NETWORK SYSTEMS ADMINISTERING CRYPTOGRAPHICALLY-SECURED, TOKEN-BASED SUBSTITUTION MANAGEMENT AND METHODS OF USE THEREOF	Vijay Mayadas; John Garahan; Horacio Barakat; Hrishikesh Nashikkar; Kishore Seshagiri;	
142	20240163100	2023-11-13	PROCESSING A CONTINGENT ACTION TOKEN SECURELY	Gary Grube;	2BC Innovations, LLC;
143	20240161101	2023-11-11	PROCESSING A CONTINGENT ACTION TOKEN SECURELY	Gary Grube;	2BC Innovations, LLC;
144	20240163099	2023-11-11	PROCESSING A CONTINGENT ACTION TOKEN SECURELY	Gary Grube;	2BC Innovations, LLC;
145	20240163108	2023-11-11	PROCESSING A CONTINGENT ACTION TOKEN SECURELY	Gary Grube;	2BC Innovations, LLC;
146	20240080181	2023-11-10	Blockchain Data Structures and Systems and Methods Therefor for Multipath Transaction Management	James Taylor; Conor Haegley; Joseph Lawn;	Onclave Networks;
147	20240086914	2023-11-10	PLATFORM FOR A PLURALITY OF SERVICES ASSOCIATED WITH A BLOCKCHAIN	Andrew MEE;	
148	20240078551	2023-11-10	BLOCKCHAIN-BASED USER ELEMENT AUTHORIZATION METHODS AND APPARATUSES	Jiawei Liu; Chenkan Shen; Ge Jin; Chifei Zhang; Fansheng Kong;	ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD.; ANT BLOCKCHAIN TECHNOLOGY (SHANGHAI) CO., LTD.;
149	20240070666	2023-11-09	METHOD FOR POOLING IN A PROOF-OF-SPACE-BASED BLOCKCHAIN VIA SINGLETONS	Bram Cohen; Matt Hauff; Mariano Sorgente; Matt Howard; Adam Kelly;	
150	20240119444	2023-11-09	SMART CONTRACT OF A BLOCKCHAIN FOR MANAGEMENT OF CRYPTOCURRENCIES	Eyal HERTZOG; Yehuda LEVI; Barak MANOS; Asaf SHACHAF; Guy BEN ARTZI;	Bprotocol Foundation;
151	20240152913	2023-11-09	METHOD AND SYSTEM FOR SECURE DATA RECORD DISTRIBUTION USING A BLOCKCHAIN	Martin SEWELL; Daniel JOSEPH; Craig WRIGHT;	
152	20240154807	2023-11-09	PARTITIONING A BLOCKCHAIN NETWORK	Dean KRAMER; Martin SEWELL; Bassem AMMAR;	
153	20240137231	2023-11-09	MULTI-BLOCKCHAIN-BASED CROSS-CHAIN PROCESSING METHOD AND APPARATUS, DEVICE, SYSTEM, AND MEDIUM	Gengliang ZHU;	
154	20240179018	2023-11-09	NODE SELECTION METHOD AND APPARATUS, FIRST NODE, STORAGE MEDIUM, AND PROGRAM PRODUCT	Zhuguang SHAO; Li LI; Jianjun ZHANG; Bing SHAO; Bengbeng SU;	
155	20240106642	2023-11-08	DATA PROCESSING METHOD OF TRUST EXECUTION ENVIRONMENT USING SMART CONTRACT	Hyeong-Joon Kim;	
156	20240078548	2023-11-07	ELECTRONIC DEVICE CORRESPONDING TO NODE INCLUDED IN BLOCKCHAIN NETWORK AND OPERATION METHOD THEREFOR	Nosan KWAK; Sohee LEE;	SAMSUNG ELECTRONICS CO, LTD.;
157	20240080208	2023-11-07	BLOCKCHAIN APPLICATION METHOD AND BLOCKCHAIN APPLICATION TERMINAL APPARATUS	Jinqian HU;	
158	20240080205	2023-11-07	SYSTEM AND METHOD FOR OFF-CHAIN CRYPTOGRAPHIC TRANSACTION VERIFICATION	Matthew Unger; Matej Masiar; Qayyum Rajan;	iComply Investor Services Inc.;
159	20240152580	2023-11-07	SYSTEM AND METHOD TO MANAGE DIGITAL ASSETS	RAVNEET SINGH;	
160	20240152176	2023-11-06	DYNAMIC OPTIMIZATION AND HEALTH MONITORING FOR BLOCKCHAIN PROCESSING DEVICES	Jan Beck;	

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#	Pub. No	Filed	Title	Inventors	Assignees
161	20240061861	2023-11-03	Blockchain Node and Transaction Method	Qi Liu; Jian Ding; Yanlan Wei;	
162	20240078616	2023-11-03	BLOCKCHAIN MINE AT OIL OR GAS FACILITY	Stephen Barbour;	
163	20240061865	2023-11-02	DATABASE MANAGEMENT FOR DIGITALLY STORING ITEM INFORMATION	Brendan WAY; Tyler MAIMAN; Abdelkader M'Hamed BENKREIRA;	
164	20240074004	2023-11-01	VERIFICATION OF INTERACTIONS SYSTEM AND METHOD	Mahdi Zamani; Lucianna Kiffer; Loi Luu; Karl Bunz;	Visa International Service Association;
165	20240144370	2023-11-01	AUTOMATED MARKET MAKER (AMM) SMART CONTRACTS	Eric Falkenstein;	
166	20240144264	2023-10-31	CRYPTOGRAPHIC IMPROVEMENTS TO CELLULAR DATA TRANSFER UTILIZING BLOCKCHAIN WALLETS	Edward Atter; Adrian Robison; Demetre Gostas;	
167	20240146554	2023-10-31	SYSTEMS AND METHODS FOR TOKENIZING ASSETS VIA BLOCKCHAIN-TO-BLOCKCHAIN BRIDGE USING UNDERLYING ASSETS HELD AT A TRIPARTY AGENT OR CUSTODIAN	Suresh SHETTY; Sudhir UPADHYAY; Manmeet AHLUWALIA; Anthony KLAUSING; Ganesh ANANTWAR; Sophia WASSERMAN; Keerthi MOUDGAL; Chang JIAO; Aditya TADAY; Tyrone LOBBAN; Nikhil SHARMA;	
168	20240161089	2023-10-31	PROCESSING A CONTINGENT ACTION TOKEN SECURELY	Gary Grube;	2BC Innovations, LLC;
169	20240161099	2023-10-31	PROCESSING A CONTINGENT ACTION TOKEN SECURELY	Gary Grube;	2BC Innovations, LLC;
170	20240161100	2023-10-31	PROCESSING A CONTINGENT ACTION TOKEN SECURELY	Gary Grube;	2BC Innovations, LLC;
171	20240179090	2023-10-31	DECENTRALIZED CONTENT FABRIC	Michelle Munson; Serban Simu;	
172	20240062299	2023-10-30	Systems and methods for the regulated trading of registered equities with the securities and exchange commission on an immutable blockchain with settlement into the broker dealer ecosystem	Joe KURCZODYNA; Matthew BALDWIN;	
173	20240062300	2023-10-30	SYSTEMS AND METHODS FOR THE REGULATED TRADING OF REGISTERED EQUITIES WITH THE SECURITIES AND EXCHANGE COMMISSION ON AN IMMUTABLE BLOCKCHAIN WITH SETTLEMENT INTO THE BROKER DEALER ECOSYSTEM	Joe KURCZODYNA; Matthew BALDWIN;	
174	20240078324	2023-10-30	FAST ACCESS TO A DATA RESOURCE UPDATE IN A BLOCKCHAIN NETWORK	Ian Holsman; Bartow Wyatt;	
175	20240062193	2023-10-30	AUTHENTICATED DATA FEED FOR BLOCKCHAINS	Fan Zhang; Ethan Cecchetti; Kyle Croman; Ari Juels; Runting Shi;	
176	20240144242	2023-10-30	A SYSTEM AND METHOD OF PROVIDING A BLOCKCHAIN-BASED CURRICULUM VITAE	Richard Collins;	
177	20240177254	2023-10-30	BLOCKCHAIN-BASED SYSTEM AND METHOD FOR PURCHASE DOCUMENT TRANSFORMATION AND ACCOUNTABILITY	Edward Wu; Guy Gal; Christopher Dzoba; Jeffrey Judkins; Mark Stefik; Adriano Castro;	
178	20240162746	2023-10-28	METHOD AND SYSTEM FOR REGULATING POWER CONSUMPTION WITHIN AN ELECTRIC POWER GRID	John Billingsley, Jr; Ronald Chichester; Jason Novack;	JBB Advanced Technologies, LLC;
179	20240062191	2023-10-27	SECURE AND TRUSTWORTHY BRIDGE FOR TRANSFERRING ASSETS ACROSS NETWORKS WITH DIFFERENT DATA ARCHITECTURE	Michael Kaplan; Conor Leary; Nicholas Mussallem; Emin Sirer; Bernard Wong;	
180	20240055086	2023-10-26	SYSTEMS AND METHODS FOR SECURELY STORING PATIENT INFORMATION AND PROVIDING ACCESS THERETO	Justin SALIMAN; Jason HURST; Karthik KARUNANITHI; Ryan SALIMAN; Douglas GRIM; Darin FEINSTEIN;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
181	20240187214	2023-10-25	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR USING A BLOCKCHAIN TO PERFORM AN ATOMIC SWAP	Craig WRIGHT;	
182	20240054437	2023-10-25	Blockchain-Based Authentication And Authorization	Constanza HEATH; Ethan RUBINSON;	eBay Inc.;
183	20240135390	2023-10-24	SUSTAINABLE AVIATION FUEL BLOCKCHAIN REGISTRY	Kennedy Ricci; Nancy Bsales;	4AIR, LLC;
184	20240054125	2023-10-24	SYSTEMS AND METHODS OF TRANSACTION IDENTIFICATION GENERATION FOR TRANSACTION-BASED ENVIRONMENT	Baohua Yang;	
185	20240137232	2023-10-23	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIUM FOR DYNAMICALLY ANALYZING AND/OR MODIFYING BLOCKCHAIN NETWORKS	Ryan Fay; Mark Thiele; Subhan Jahromi; Mohammad Paryavi;	
186	20240044667	2023-10-23	AUTOMATED DATA COLLECTION ARCHITECTURE FOR USE IN VEHICLE OPERATIONS	Philip Maeda;	Rydeen North America, Inc.;
187	20240054108	2023-10-23	CONTENT USE SYSTEM	Shigenori OHASHI; Hiroki WATANABE; Tatsuro ISHIDA; Shigeru FUJIMURA; Atsushi NAKADAIRA;	
188	20240104065	2023-10-23	CONTENT USE SYSTEM	Shigenori OHASHI; Hiroki WATANABE; Tatsuro ISHIDA; Shigeru FUJIMURA; Atsushi NAKADAIRA;	
189	20240134957	2023-10-23	DYNAMIC CONSENT MANAGEMENT PLATFORM AND PERSONAL INFORMATION MANAGEMENT METHOD THEREOF	Jui-Chu LIN;	
190	20240135366	2023-10-23	SYSTEM AND METHOD FOR SECURE COMMUNICATIONS THROUGH SECURE CONTRACTS	Patrick Nunally;	Rogue One Enterprises;
191	20240161098	2023-10-23	PROCESSING A CONTINGENT ACTION TOKEN SECURELY	Gary Grube;	2BC Innovations, LLC;
192	20240163104	2023-10-23	PROCESSING A CONTINGENT ACTION TOKEN SECURELY	Gary Grube;	2BC Innovations, LLC;
193	20240163105	2023-10-23	PROCESSING A CONTINGENT ACTION TOKEN SECURELY	Gary Grube;	2BC Innovations, LLC;
194	20240202054	2023-10-23	COMPUTERIZED SYSTEMS AND METHODS FOR CONFIGURATION OF NETWORK INTERFACES OF A DISTRIBUTED NETWORK	Eric Couillard; Sanjaya Kulkarni; Sanjay Deshpande;	
195	20240135340	2023-10-22	Blockchain Cross-Chain Non-Fungible Token Exchange	Josh Williams; Raymond Chiapuzio;	
196	20240045867	2023-10-20	BLOCKCHAIN DATA MANAGEMENT METHOD AND APPARATUS	Donghui Wang;	
197	20240046227	2023-10-20	INFORMATION PROCESSING APPARATUS AND INFORMATION PROCESSING METHOD	Kenichi SHIMIZU; Kazuyuki TSUJI;	DeCurret DCP Inc.;
198	20240046251	2023-10-20	ELECTRONIC CURRENCY MANAGEMENT SYSTEM	Kenichi SHIMIZU; Kazuyuki TSUJI;	DeCurret DCP Inc.;
199	20240046264	2023-10-20	METHOD, APPARATUS, AND RECORDING MEDIUM	Naohisa NISHIDA; Kakuya YAMAMOTO; Yuji UNAGAMI; Yuuki Hirose; Ayaka NAKASAKA; Motoji OHMORI; Junji MICHIYAMA;	
200	20240048582	2023-10-19	BLOCKCHAIN DATA BREACH SECURITY AND CYBERATTACK PREVENTION	Yacov Manevich; Artem Barger; Nitin Gaur; Petr Novotny;	

6/12/2024

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
201	20240163098	2023-10-19	COMPUTER-IMPLEMENTED METHODS AND SYSTEMS FOR CONTROLLING TASKS IMPLEMENTED BY A CYCLICALLY-ORDERED SET OF NODES PARTICIPATING IN A BLOCKCHAIN NETWORK	Daniel JOSEPH; Silvia BARTOLUCCI; Pauline BERNAT;	
202	20240046256	2023-10-19	INFORMATION PROCESSING METHOD, INFORMATION PROCESSING DEVICE, AND RECORDING MEDIUM	Ayaka NAKASAKA; Junji MICHIYAMA;	
203	20240095857	2023-10-19	ESTATE PLANNING AND BENEFICIARY MANAGEMENT SYSTEM INCLUDING DIGITAL ASSETS	Sean Foote; Azaz Ahmed;	Legacy Suite Inc;
204	20240129313	2023-10-18	Portable Access Point for Secure User Information Using a Blockchain Backed Credential	Zachary ANKROM; Kamran KHALIQ;	
205	20240135370	2023-10-18	DYNAMIC WALLET ARCHITECTURE FOR DECENTRALIZED APPLICATIONS	Michael CAIN; Jacob FLOYD; Csaba MADAR; Pablo QUIROGA; Harrison WHITAKER;	
206	20240134739	2023-10-17	METHOD AND APPARATUS FOR STORING BLOCKCHAIN DATA BASED ON ERROR CORRECTION CODE	Chang-Soo KIM; Myung-Cheol LEE;	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE;
207	20240205009	2023-10-16	ZERO-KNOWLEDGE PROOF AND EDGE COMPUTING-BASED BLOCKCHAIN AS A SERVICE (BAAS) SYSTEM AND METHOD TO IMPROVE DATA PRIVACY VULNERABILITIES	Ho-won Kim; Yohan Kim; SANGBONG OH; Kyeongwoo Oh;	
208	20240048387	2023-10-16	COMPUTER-IMPLEMENTED SYSTEM AND METHOD PROVIDING A DECENTRALISED PROTOCOL FOR THE RECOVERY OF CRYPTOGRAPHIC ASSETS	John FLETCHER; Silvia BARTOLUCCI;	
209	20240113877	2023-10-16	BLOCKCHAIN-IMPLEMENTED METHOD AND SYSTEM	Gavin ALLEN;	
210	20240037081	2023-10-14	BLOCKCHAIN DIGITAL RESOURCE PROCESSING METHOD AND APPARATUS, COMPUTER DEVICE, AND STORAGE MEDIUM	Yukang ZHANG;	
211	20240089106	2023-10-13	SYSTEM AND METHOD FOR HIERARCHICAL TOKEN DISTRIBUTION ON BLOCKCHAIN NETWORK	Daniel JOSEPH;	
212	20240127358	2023-10-13	AUTOMATED PREAUTHORIZATION USING BLOCKCHAIN	Piyush MATHUR; Francis PAPAY; Kamal MAHESHWARI; Ashish KHANNA; Jacek CYWINSKI;	
213	20240037505	2023-10-13	SYSTEM, DEVICE, AND PROCESS FOR TRACKING PRODUCT	Guilda JAVAHERI;	
214	20240037668	2023-10-13	EVIDENCE ORACLES	William Leise; Douglas Graff; Anthony McCoy; Jaime Skaggs; Shawn Call; Stacie McCullough; Wendy Clayton; Melinda Magerkurth; Kim Flesher; Travis Runge;	
215	20240037503	2023-10-12	SYSTEM OR METHOD OF VERIFYING AN ASSET USING BLOCKCHAIN AND COLLECTED ASSET AND DEVICE INFORMATION	Prithvi Padmanabhan;	Salesforce, Inc.;
216	20240104558	2023-10-12	BLOCKCHAIN TRANSACTION EXECUTION METHOD AND APPARATUS, PROGRAM PRODUCT, DEVICE, AND MEDIUM	Rui GUO; Zongyou WANG; Yifang SHI; Zhiyong LIAO; Gengliang ZHU; Qucheng LIU; Hanqing LIU; Hu LAN;	Tencent Technology (Shenzhen) Company Limited;
217	20240127226	2023-10-12	SYSTEMS AND METHODS FOR USING SINGLE OR MULTI-CHAIN DEPOSIT TOKENS	Umar FAROOQ; Naveen MALLELA; Muh LEE; Sai Murali Krishna VALIVETI; Nelli ZALTSMAN; Sunil PANT; Basak TOPRAK; Emma LANDRIAULT; Joshua DANIEL; Wee TOH;	
218	20240037256	2023-10-11	Tokenizing Digital Assets with Restrictions on a Blockchain	Philip Lyren;	
219	20240039943	2023-10-11	BLOCKCHAIN MALWARE PROTECTION	Douglas Grover; Michael Angelo;	MICRO FOCUS LLC;
220	20240037667	2023-10-11	SYSTEMS AND METHODS FOR MAINTAINING A DISTRIBUTED LEDGER PERTAINING TO AUTONOMOUS VEHICLES	Matthew Floyd; Alvin Hon-Wai Yu; Antwuan Murphy; Brittney Benzio; Lindsi Brantley; Matthew Delaney; Matthew Vulich; Matthew Rodriguez; Neha Goel; Sabrina Collins; Annie Murillo;	

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221	20240039727	2023-10-11	BLOCKCHAIN-BASED DATA PROCESSING METHOD AND APPARATUS, DEVICE, AND READABLE STORAGE MEDIUM	Zimin CHEN;	
222	20240127225	2023-10-11	METHOD FOR SECURING THE PROCESSING OF A DIGITAL ASSET, CORRESPONDING COMPUTER PROGRAM PRODUCTS AND DEVICES	Philippe STRANSKY-HEILKRON;	Nagravision Sàrl;
223	20240163102	2023-10-11	PROCESSING A CONTINGENT ACTION TOKEN SECURELY	Gary Grube;	2BC Innovations, LLC;
224	20240163103	2023-10-11	PROCESSING A CONTINGENT ACTION TOKEN SECURELY	Gary Grube;	2BC Innovations, LLC;
225	20240119064	2023-10-10	APPARATUS AND METHOD FOR SYNCHRONIZING BLOCK IN BLOCKCHAIN NETWORK	Young-Chang KIM; Jong-Choul YIM; Jin-Tae OH; Chang-Hyun LEE;	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE;
226	20240184760	2023-10-10	METHOD OF STORING BLOCKCHAIN TRANSACTION DATA USING FOUNTAIN CODES AND APPARATUS FOR THE SAME	Beong-Jun CHOI; Myung-Cheol LEE;	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE;
227	20240039992	2023-10-10	BLOCKCHAIN-BASED DATA PROCESSING METHOD AND DEVICE AND READABLE STORAGE MEDIUM	Rui GUO; Hu LAN; Zongyou WANG; Yang LU; Jun LIANG; Chaojie QI; Yang MO; Yifang SHI; Hui ZHANG; Zimin CHEN; Guihong HUANG; Zuodong LIANG; Bo QIN; Lisen LI; Yubin SONG; Yongjing LI; Chao WANG; Ming LIU; Tao FAN; Yongjia XUE; Shitao XU; Shihao SHE; Gengliang ZHU; Zhigang LU;	Tencent Technology (Shenzhen)Company Limited;
228	20240119161	2023-10-10	ONE OR MORE DEVICES PROVIDING IMPROVED SECURITY FOR ANY DATABASE INCLUDING DISTRIBUTED APPLICATIONS AND SMART CONTRACTS	Omar ALIBRAHIM; Majid MALAIKA; Timothy RUDE;	
229	20240155206	2023-10-10	MEDIA PROGRAM VIEWERSHIP MEASUREMENT USING BLOCKCHAINS	Sudeepta Bhuyan;	ARRIS Enterprises LLC;
230	20240036950	2023-10-09	STANDARDIZED INTERACTIONS ACROSS DIFFERENT BLOCKCHAINS	Sean Carey; Christopher Bruce;	BlockJoy, Inc.;
231	20240064019	2023-10-09	DIGITAL NON-FUNGIBLE ASSETS IN PERSISTENT VIRTUAL ENVIRONMENTS LINKED TO REAL ASSETS	Jason Gagne-Keats; Gary Anderson; Wolfgang Muller; Jean-Baptiste Theou;	
232	20240119464	2023-10-09	SYSTEM FOR MANAGING DECOMMISSIONED FOSSIL FUEL RESOURCES	Maarten Dekker; Scot Fraser; Humberto Sirvent; Ondrej Sestak; Arno Franciscus Hubertus Josephus Laeven; Ioannis Vlachos;	
233	20240120078	2023-10-09	DIGITAL ADVANCE HEALTHCARE DIRECTIVE MANAGEMENT	Nneka Sederstrom;	
234	20240214229	2023-10-09	DATA PROCESSING METHOD AND APPARATUS, ELECTRONIC DEVICE, COMPUTER STORAGE MEDIUM, AND COMPUTER PROGRAM PRODUCT	Tianle HAN;	
235	20240037670	2023-10-06	BLOCKCHAIN-BASED SYSTEMS AND METHODS FOR SELF-MANAGED PEER GROUP INSURANCE	Matthew Floyd;	
236	20240028329	2023-10-05	INSTALLATION AND AUTHENTICATION OF APPLICATIONS USING BLOCKCHAIN	Michael Angelo; Douglas Grover;	Micro Focus LLC;
237	20240037662	2023-10-05	TOKENIZATION OF SOCIAL IMPACT ON THE BLOCKCHAIN AND RELATED METHODS	Rebecca BRACHMAN;	THE JOAN AND IRWIN JACOBS TECHNION-CORNELL INSTITUTE;
238	20240046325	2023-10-05	SYSTEMS AND METHODS FOR USING SMART CONTRACTS TO CONTROL THE TRADE, SUPPLY, MANUFACTURE, AND DISTRIBUTION OF COMMODITIES	Joseph Preston; Dan Preston; Trinitie Vance; Brett Simpson; Peter Madakson; William Rieger;	Clarovia Holdings, LLC;
239	20240179211	2023-10-05	COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR CONTROLLING PROCESSING STEPS OF A DISTRIBUTED SYSTEM	Daniel JOSEPH;	
240	20240119166	2023-10-04	DISTRIBUTED PRIVATELY SUBSPACED BLOCKCHAIN DATA STRUCTURES WITH SECURE ACCESS RESTRICTION MANAGEMENT	Jeffrey Schvey; Nadi Sarrar;	

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#	Pub. No	Filed	Title	Inventors	Assignees
241	20240028706	2023-10-04	Secure Environment Public Register (SEPR)	Robert Kocher; Douglas Dyer; John Bowling, II;	
242	20240104654	2023-10-04	SYSTEM AND METHOD FOR TRADING INFORMATION	Yosef BEN-EZRA; Shai NISSIM; Samuel HAZAK; Yaniv BEN-HAIM; Yoni SCHIFF; Orit SHIFMAN;	OSR ENTERPRISES AG;
243	20240152903	2023-10-04	CUSTOM MEMPOOL PROTOCOL ASSOCIATED WITH PROCESSING OF CRYPTOGRAPHIC EVENTS	Sheldon Bennett; Adrian Glover;	
244	20240029007	2023-10-03	SYSTEM AND METHOD FOR FORECASTING DELIVERIES VIA BLOCKCHAIN SMART CONTRACTS USING HYPERSPECTRAL COMPUTER VISION	Tarun Dasari; Aditya Cheruku; Anand Banik; Sumanth Talasila; Kishore Sasthiri; Murthy Kolluru;	
245	20240029055	2023-10-03	METHOD AND SYSTEM FOR ENABLING COMMUNICATION BETWEEN BLOCKCHAINS ON HETEROGENEOUS BLOCKCHAIN NETWORKS	Sarala BURADAGUNTA; Rakesh YADAV; Dmytro KRYVOSHEI; Steven DAVIS; Sébastien LE CALLONNEC;	Mastercard International Incorporated;
246	20240031131	2023-10-03	DATA MANAGEMENT SYSTEM, DATA MANAGEMENT METHOD, AND DATA MANAGEMENT PROGRAM	XIN XU; HAOLUN HUANG;	
247	20240103909	2023-10-03	METHODS AND SYSTEMS FOR IMPROVING HARDWARE RESILIENCY DURING SERIAL PROCESSING TASKS IN DISTRIBUTED COMPUTER NETWORKS	Sanjay STRIBADY; Saket SHARMA; Gursel TASKALE;	THE BANK OF NEW YORK MELLON;
248	20240112177	2023-10-03	SYSTEMS AND METHODS FOR IDENTITY VERIFICATION TO AUTHORIZE TRANSACTIONS IN DECENTRALIZED NETWORKS	Markus Maier; Philipp Banhardt;	
249	20240121093	2023-10-03	SECURELY PROCESSING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
250	20240121094	2023-10-03	SECURELY PROCESSING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
251	20240028751	2023-10-02	ELECTRONIC DEVICE FOR PERFORMING BLOCK CONSENSUS ON BASIS OF BLOCKCHAIN, AND OPERATION METHOD THEREFOR	Kyehwan Lee; Youna Lee; Sungjin Park; Wooseok Jang;	SAMSUNG ELECTRONICS CO., LTD.;
252	20240031149	2023-10-02	SYSTEMS AND METHODS FOR BLOCKCHAIN TRANSACTIONS WITH OFFER AND ACCEPTANCE	Willow Noonan;	GMO GlobalSign, Inc.;
253	20240112212	2023-10-02	System and Method for AI and Blockchain Consortium for Recruitment and Retention	Edward Navales; Amilcar Chavarria; Shivam Patel;	247 NewCoIT Corp. dba NurseBee;
254	20240112271	2023-10-02	TECHNIQUES FOR AN AUTOMATED FUNDING PARTICIPATION BLOCKCHAIN SERVER	Todd Romney; Scott Crowley; Josef Heugly; David Gabrielsen;	Capital Premium Financing, LLC;
255	20240028711	2023-10-02	HIGHLY SCALABLE PERMISSIONED BLOCK CHAINS	Venkata Siva Vijayen BHAMIDIPATI; Ashok MURTHY; Derek CHAMORRO; Michael CHAN; Arpit JAIN;	
256	20240127237	2023-10-02	MANAGING CUSTOMER INFORMATION AND TRANSACTION RECORDS ON A DISTRIBUTED LEDGER	Ahmed Alkarboly; Derek Dalmer; Jennings Orcutt; Joel Maron; Pallavi Kondapalli; Andrew Toig; Zuri Wright;	
257	20240113884	2023-09-29	COMPUTER SYSTEMS AND COMPUTER-IMPLEMENTED METHODS UTILIZING BLOCKCHAIN AGNOSTIC CONNECTION TOOLS FOR BLOCKCHAIN-BASED DATA STRUCTURES	Williams PERKINS; Kaleb PHILLIPS; Tanner LARSSON; Suraj PAI;	
258	20240020665	2023-09-29	DECENTRALIZED PROOF OF CREATION	Sanjay Bakshi; Gautam Singh; Geoffrey Gustafson; Muthaiah Venkatachalam;	Intel Corporation;
259	20240022574	2023-09-29	DATA AND SOURCE VALIDATION FOR EQUIPMENT OUTPUT DATA OR EQUIPMENT FAILURE PREDICTION USING BLOCKCHAINS	Steven Casey; Kevin McBride; William O'Brien, JR; Stephen Opferman;	CenturyLink Intellectual Property LLC;
260	20240113728	2023-09-29	SYSTEM AND METHOD FOR DATA COMPACTION AND SECURITY WITH EXTENDED FUNCTIONALITY	Joshua Cooper; Aliasghar Riahi; Charles Yeomans;	

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#	Pub. No	Filed	Title	Inventors	Assignees
261	20240022414	2023-09-27	AUTHENTICATION OF COMMUNICATION SESSION PARTICIPANTS USING BLOCKCHAIN	Michal AICHINGER;	
262	20240029151	2023-09-27	Blockchain Digital Cryptocurrency Loan System	Maurice Vanegas; Isaac VANEGAS; Pranay BHATTACHARYYA;	
263	20240119041	2023-09-27	USER-SPECIFIED CHAINS & ROW VERSIONS IN A BLOCKCHAIN TABLE	Juan Loaiza; Sachin Sonawane; Mahesh Girkar; Wei-Ming Hu;	
264	20240022417	2023-09-26	System and Computer Program Product for Fair, Secure N-Party Computation Using At Least One Blockchain	Ranjit Kumaresan; Srinivasan Raghuraman; Rohit Sinha;	
265	20240029054	2023-09-26	BLOCKCHAIN COMMUNICATIONS AND ORDERING	Gilbert VERDIAN; Colin PATERSON; Gaetano MONDELLI; Paolo TASCA;	
266	20240013181	2023-09-26	Apparatuses, Devices, Methods and Non-Transitory Computer-Readable Media for a Group Leader and a Group Member of a Group of Nodes	Rajesh POORNACHANDRAN; Marcos CARRANZA; Mallikarjuna CHILAKALA; Francesc GUIM BERNAT; Karthik KUMAR;	
267	20240104518	2023-09-26	INTERMEDIARY SYSTEM, TRANSACTION SYSTEM, METHOD OF INTERMEDIATING, AND RECORDING MEDIUM	Hitoshi NAMIKI;	
268	20240015212	2023-09-25	Methods and Systems for Ledger Based Content Delivery Using a Mobile Edge Computing (MEC) Server	Lyle Paczkowski; George Schnellbacher;	
269	20240095315	2023-09-25	LICENSE MANAGEMENT FOR SOFTWARE DEFINED SILICON	Katalin Bartfai-Walcott; Mariusz Oriol; Vasudevan Srinivasan; Peggy Irelan; Mariusz Stepka; Kaitlin Murphy; Bharat Pillilli; Mark Baldwin; Mateusz Bronk; Fariaz Karim; Arkadiusz Berent; Vasuki Chilukuri;	
270	20240104485	2023-09-25	INFORMATION MANAGEMENT APPARATUS, INFORMATION MANAGEMENT METHOD, AND COMPUTER-READABLE RECORDING MEDIUM	Tomohiro KURODA; Hironori HAYASHIZAKI;	
271	20240013173	2023-09-22	SYSTEMS AND METHODS FOR BLOCKCHAIN-BASED PAYMENT TRANSACTIONS, ALERTS, AND DISPUTE SETTLEMENT, USING A BLOCKCHAIN INTERFACE SERVER	Ramesh VIJAYARAGHAVAN;	
272	20240013209	2023-09-22	SECURE CONTROL OF TRANSACTIONS USING BLOCKCHAIN	David KAMALSKY; Vidit AGGARWAL; Seyed-Mahdi PEDRAMRAZI; Ethan RUBINSON; Sachin TILLOO; Sergio GONZALES, JR;	
273	20240012807	2023-09-21	MULTIUSER SYNCHRONOUS CONCLAVE BLOCKCHAIN TECHNOLOGY	Saurabh Gupta;	
274	20240013899	2023-09-21	HEALTH DATA EXCHANGE PLATFORM	Tara Youngblood; Todd Youngblood;	Youngblood IP Holdings, LLC;
275	20240087066	2023-09-21	Digital Property Authentication and Management System	Lewis Lee; Daniel Crouse; David Andrews; Samuel Fleming;	
276	20240135369	2023-09-21	MULTI-PARTY COMPUTATION IN A COMPUTER SHARDING ENVIRONMENT	Hubert Le Van Gong; Jinesh Patel;	
277	20240020660	2023-09-20	BLOCKCHAIN DIGITAL CURRENCY SYSTEMS AND METHODS FOR USE IN ENTERPRISE BLOCKCHAIN BANKING	Steven Wasserman;	
278	20240022631	2023-09-20	MALLEABILITY OF TRANSACTIONS FOR INCLUSION IN A BLOCKCHAIN	Wei ZHANG; Craig Wright; Jack Davies;	
279	20240015038	2023-09-20	CONTROL METHOD, NON-TRANSITORY COMPUTER-READABLE RECORDING MEDIUM STORING CONTROL PROGRAM, AND INFORMATION PROCESSING DEVICE	Shingo FUJIMOTO; Ken KAMAKURA;	FUJITSU LIMITED;
280	20240022425	2023-09-20	BLOCKCHAIN-IMPLEMENTED METHODS AND SYSTEMS FOR AUTHORISATION BASED ON BILINEAR MAP ACCUMULATORS	Silvia BARTOLUCCI; Pauline BERNAT;	

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281	20240096024	2023-09-20	INFORMATION PROCESSING APPARATUS	YASUFUMI TAKAMA;	
282	20240013172	2023-09-19	Blockchain Supported Resource Transfer Communication Protocol	Rebecca Corcillo; Emily Chiu; Moiz Jangda; Megan Coleman; Tianlong Yun;	Block, Inc.;
283	20240015216	2023-09-19	ELECTRONIC DEVICE FOR PROVIDING BLOCKCHAIN-BASED SERVICE, AND OPERATION METHOD THEREOF	Youna LEE; Youngkow LEE; Seongmin JE;	
284	20240005730	2023-09-18	BLOCKCHAIN-BASED SMART CONTRACT INSTANT LOTTERY TICKET	Gianluca RAGNONI; Fabrizio BATTINI; Emanuele MARTIRE; Thomas ORAM;	IGT Global Solutions Corporation;
285	20240020411	2023-09-18	System and Method for Decentralized, Controlled, and Managed Consumer Personal Data	Sashikanth EDUPUGANTI;	ODE HOLDINGS, INC.;
286	20240119688	2023-09-18	AUGMENTED REALITY REMOTE AUTHORING AND SOCIAL MEDIA PLATFORM AND SYSTEM	John Daly;	
287	20240005350	2023-09-15	Edge Computing Platform Supported by Smart Contract Enabled Blockchain Network with Off-Chain Solution Verification	Jieyi Long; Mitchell Liu;	
288	20240104557	2023-09-15	METHOD FOR TRANSMITTING SPECIFIC DATA WHOSE DATA FORMAT IS UNKNOWN AT RELAY FROM FIRST BLOCKCHAIN NETWORK TO SECOND BLOCKCHAIN NETWORK AND RELAY USING THE SAME	Jong KIM; Jae NAMGOONG; Moon SONG; Hyeok RYU;	PARAMETA Corp.;
289	20240000665	2023-09-15	SMART DISPENSER	Yale BADIK; Deanna FELKER;	KURE, LLC;
290	20240005020	2023-09-15	DECENTRALIZED CONSENT NETWORK FOR DECOUPLING THE STORAGE OF PERSONALLY IDENTIFIABLE USER DATA FROM USER PROFILING DATA	Dashiell LAVINE; Paul LAWBAUGH; Cian MONTGOMERY;	CONCORD TECHNOLOGIES INC.;
291	20240005320	2023-09-15	MINTING, TRANSFER AND MANAGEMENT OF NON-FUNGIBLE TOKENS IN SETS	Rene PARDO;	
292	20240097919	2023-09-15	CONSENSUS TRUSTED CLUSTER CHANGING METHOD, COMPUTER DEVICE AND COMPUTER-READABLE STORAGE MEDIUM	Weiwei QIU; Fanglei HUANG; Chao YUAN; Wei LI; Xuan SHANG;	
293	20240104560	2023-09-15	DIGITIZATION OF PAYMENT CARDS FOR WEB 3.0 AND METAVERSE TRANSACTIONS	Srinath Ravinathan; Karl Cheng; Donghao Huang; Shi Ler Shila Chew; Dendy Gunawan; Putu Ganapathi; Phuoc Hoang Long Le;	
294	20240005313	2023-09-14	ARTWORK TRANSACTION METHOD AND ARTWORK TRANSACTION APPARATUS AND COMPUTER PROGRAM THEREFOR	Joss Giffard-Burley;	
295	20240078541	2023-09-14	COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR EXCHANGE OF DATA	Thomas TREVETHAN;	
296	20240086398	2023-09-13	SUPPLY CHAIN QUALITY ASSURANCE FOR WELL COMPLETION USING BLOCKCHAIN	Daniel GLEITMAN; Ron DUSTERHOFT; Behrouz EBRAHIMI; Nicole MAST; Philip NGUYEN;	Halliburton Energy Services, Inc.;
297	20240086906	2023-09-13	METHOD AND SYSTEM FOR PROVIDING TOKEN IDENTITY	Ricardo SOTA; Saravana SHANMUGAM; Mohammed AHMAD; Rajasekaran DHAMODHARAN;	Mastercard International Incorporated;
298	20240112158	2023-09-13	Stablecoin as a Medium of Exchange on a Blockchain-Based Transaction Network	John Anderson; Charles Uchill; Sean McNamara;	
299	20240095756	2023-09-12	PROOF-OF-STAKE BLOCKCHAIN EMISSION ANALYSIS	Chris Perkins; Christian Murray;	
300	20240121229	2023-09-12	METHODS AND DEVICES FOR INCREASING ENTROPY OF A BLOCKCHAIN USING BLINDED OUTCOME DIVERSIFICATION	Silvia BARTOLUCCI; Pauline BERNAT; Daniel JOSEPH; Craig WRIGHT;	

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#	Pub. No	Filed	Title	Inventors	Assignees
301	20240089103	2023-09-12	VERIFYING ELECTRONIC DEVICE AUTHENTICITY VIA NEAR-FIELD COMMUNICATION	Chao-Ying CHEN; Chiu-Hsiang HSU; Jian-Yin YE; Jack GUINCHARD; Lee GUINCHARD;	
302	20240135039	2023-09-12	METHOD AND SYSTEM FOR PROVIDING TRUST COMPUTING	Doo Hwang;	Piamond Corp.;
303	20240187256	2023-09-12	SYSTEMS AND METHODS FOR ENFORCING CRYPTOGRAPHICALLY SECURE ACTIONS IN PUBLIC, NON-PERMISSIONED BLOCKCHAINS USING BIFURCATED SELF-EXECUTING PROGRAMS COMPRISING SHARED DIGITAL SIGNATURE REQUIREMENTS	Shishir SINGH; Jonathan Miles Collin ROSENOER; Andres WOLBERG-STOK; Biser DIMITROV;	Citibank, N.A.;
304	20240144248	2023-09-11	SYSTEMS AND METHODS FOR NETWORK MODELLED DATA	Marc BARBAR; Kirk MCKEOWN; Eileen MURRAY; Timothy WALSH;	
305	20240078554	2023-09-10	Techniques For Expediting Processing Of Blockchain Transactions	Jordan Simons;	AMERICORP INVESTMENTS LLC;
306	20230419308	2023-09-08	SYSTEM AND METHOD FOR PROCESSING PAYMENTS IN FIAT CURRENCY USING BLOCKCHAIN AND TETHERED TOKENS	Vijay Madisetti; Arshdeep Bahga;	
307	20240078544	2023-09-08	Method and System for Exchange of Value or Tokens Between Blockchain Networks	Vijay Madisetti; Arshdeep Bahga;	Other;
308	20240089131	2023-09-08	CUSTOMIZED BLOCKCHAIN INFRASTRUCTURE	Kevin Sekniqi; Emin Gün Sirer; Stephen Buttolph;	
309	20240086903	2023-09-08	CONGESTION CONTROL PROTOCOL	Stephen Buttolph; Patrick O'Grady; Kevin Sekniqi; Emin Gün Sirer;	
310	20230419317	2023-09-07	SECURE PROVISION OF UNDETERMINED DATA FROM AN UNDETERMINED SOURCE INTO THE LOCKING SCRIPT OF A BLOCKCHAIN TRANSACTION	Ying CHAN; Dean KRAMER;	
311	20230419318	2023-09-07	SECURE PROVISION OF UNDETERMINED DATA FROM AN UNDETERMINED SOURCE INTO THE LOCKING SCRIPT OF A BLOCKCHAIN TRANSACTION	Ying CHAN; Dean KRAMER;	
312	20240187265	2023-09-07	COMPUTER-READABLE RECORDING MEDIUM STORING BLOCKCHAIN MANAGEMENT PROGRAM, BLOCKCHAIN MANAGEMENT DEVICE, AND BLOCKCHAIN MANAGEMENT METHOD	Tatsuya OKA; Yuji YAMAOKA;	Fujitsu Limited;
313	20230419319	2023-09-07	DUPLICATING SMART CONTRACTS WITH TERMINATION CONDITION	Ying CHAN; Dean KRAMER;	
314	20240086503	2023-09-07	User Verification with Non-Fungible Tokens	Benjamin Chodroff; Yong Xia; Wei Zhuang; Ying Liu;	HSBC Software Development (Guangdong) Limited;
315	20230419284	2023-09-06	METHOD AND APPARATUS FOR USING A SERVICE THROUGH BLOCKCHAIN SYSTEM	Tae YOO;	
316	20230410068	2023-09-06	SOFTWARE SYSTEM THAT ENABLES INSTANT DISBURSMENT OF FUNDS BETWEEN PAYERS AND PAYEES	Richard Jackman; Romi Kohli; Simarpreet Singh;	FINTAINIUM, INC.;
317	20230410177	2023-09-05	DISTRIBUTED DATABASE STRUCTURES FOR ANONYMOUS INFORMATION EXCHANGE	Jordi de VOS; Mesbah SABUR; Pietro PASOTTI; Kaj OUDSHOORN; Jelle LICHT;	
318	20240064008	2023-09-05	COMPUTER IMPLEMENTED METHOD AND SYSTEM FOR TRANSFERRING CONTROL OF A DIGITAL ASSET	Craig Wright;	
319	20240104616	2023-09-04	IMPACT RETAIL HUB	Asher JAY; David HOUSEHOLTER; Ivett CSER;	
320	20240078306	2023-09-03	SECURE, SELF AUTHENTICATING DOCUMENT VERIFICATION SYSTEM AND METHODS	Angelo Gasparri;	

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321	20230412361	2023-09-01	Blockchain Foundry Built into Integrated Circuit	Ronald Marquardt; Lyle Paczkowski; Ivo Rook;	
322	20230421387	2023-09-01	SYSTEMS AND METHODS OF SECURE PROVENANCE FOR DISTRIBUTED TRANSACTION DATABASES	Alex ZINDER;	
323	20230405471	2023-09-01	SYSTEMS AND METHODS FOR TRANSFER OF RIGHTS PERTAINING TO GAME ASSETS BETWEEN USERS OF AN ONLINE GAMING PLATFORM	Stephan Cunningham; John Linden;	
324	20230409564	2023-09-01	System, Method, and Apparatus for Implementing a Blockchain-Based Rewards Network	Anil Somani; Mohamed Nosseir;	
325	20240064007	2023-09-01	METHODS AND SYSTEMS FOR BLOCKCHAIN-IMPLEMENTED EVENT-LOCK ENCRYPTION	John FLETCHER;	
326	20240086912	2023-08-31	PLATFORM AND METHOD FOR ANALYZING TRANSACTIONS PERFORMED BY A PLURALITY OF BLOCKCHAIN NODES IMPLEMENTING A DECENTRALIZED EXCHANGE FUNCTIONALITY	Louis SIRICO; Justin JORDAN; Abdennour AISSAOUI;	FLUIDEFI INC;
327	20240127672	2023-08-31	SYSTEM AND METHODS FOR OPERATING A CASINO LOYALTY COMPUTER SYSTEM TO DISPLAY IMAGES OF NON-FUNGIBLE TOKENS ASSOCIATED WITH BLOCKCHAIN TRANSACTIONS ON GAMING DEVICES	Tom Mikulich; Pat Gordon; Jon Von Tobel; William Little;	
328	20230409549	2023-08-31	ASSET TRANSFER RECORDING SYSTEM, ASSET TRANSFER RECORDING METHOD AND COMPUTER-READABLE NON-TRANSITORY STORAGE MEDIUM STORING COMPUTER PROGRAM	HAOLUN HUANG; YAWEN HUANG; XIN XU;	
329	20230409757	2023-08-31	DATA STORAGE SYSTEM AND DATA STORING METHOD	HAOLUN HUANG; XIN XU;	
330	20240070316	2023-08-31	TECHNIQUES FOR PROVIDING A PRIVACY-BASED DATA SHARING PROTOCOL	Charles SIBBACH; Jonathan PADILLA; Lucas NOVAK; Robert MCCOMB; Scott DAVIS; Todd CHAPMAN; Varun PARTHASARATHY;	
331	20230409450	2023-08-30	CONSENSUS PROCESSING METHOD AND APPARATUS FOR BLOCKCHAIN NETWORK	Wenhui Yang; Zhichao Du;	Tencent Technology (Shenzhen) Company Limited;
332	20240078538	2023-08-30	COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR PERFORMING TRANSACTION MIXING ON A BLOCKCHAIN	Daniel JOSEPH; Craig WRIGHT;	
333	20230410235	2023-08-30	SYSTEMS AND METHODS TO PROVIDE SHARING OF BENEFITS AMONGST A GROUP OF USERS BASED ON GAINS FROM DISTRIBUTION RIGHTS PERTAINING TO DIGITAL ASSETS	John Linden; Rudy Koch;	
334	20240070250	2023-08-30	CONTENT GENERATION APPARATUS CAPABLE OF GUARANTEEING THAT PROVIDER OF CONTENT IS GENERATOR OF THE CONTENT, MANAGEMENT SERVER, CONTROL METHOD FOR CONTENT GENERATION APPARATUS, CONTROL METHOD FOR MANAGEMENT SERVER, AND STORAGE MEDIUM	NAOHIKO TSUCHIDA; DAIYU UENO; MINORU SAKAIDA; ATSUSHI FUJITA; KEIICHIRO KUBO; KEISUKE TANAKA;	
335	20240177150	2023-08-30	METHOD AND SYSTEM FOR PRIVATE DECENTRALIZED FORWARD-SECURE CONFIDENTIAL TRANSACTIONS	Yue GUO; Antigoni POLYCHRONIADOU; Harish KARTHIKEYAN;	JPMorgan Chase Bank, N.A.;
336	20230412360	2023-08-29	DISTRIBUTED PLATFORM FOR COMPUTATION AND TRUSTED VALIDATION	Ravi Raman; Kush Varshney; Roman Vaculin; Michael Hind; Sekou Remy; Eleftheria Pissadaki; Nelson Bore;	
337	20240031381	2023-08-29	SYSTEMS AND METHODS FOR FACILITATING DETECTION OF A SECURITY EVENT ASSOCIATED WITH AN IOT DEVICE	Jan-Robin Gerards; Dustin Goodwin;	
338	20230401648	2023-08-28	BLOCKCHAIN SUBROGATION PAYMENTS	Jaime Skaggs; Shawn Call; Eric Bellas; Douglas Graff; William Leise; Vicki King; Jacob Alt; Eric Moore; Stacie McCullough;	
339	20240064135	2023-08-28	Identity Proofing and Portability on Blockchain	Kieran Sherlock; Jose Caldera;	
340	20230401555	2023-08-28	SYSTEM AND METHOD FOR TRANSACTION ACCOUNT BASED MICRO-PAYMENTS	Alaric Eby; Andras Ferenczi; Harish Naik; Vishnuvajhala Subrahmanyam;	

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#	Pub. No	Filed	Title	Inventors	Assignees
341	20230409598	2023-08-26	FASTER VIEW CHANGE FOR BLOCKCHAIN	Yacov Manevich; Artem Barger; Hagar Meir; Yoav Tock;	
342	20230412597	2023-08-25	SYSTEMS AND METHODS FOR CONTROLLING ACCESS TO A BLOCKCHAIN	Ram Pemmaraju;	
343	20230412699	2023-08-25	PROVENANCE AUDIT TRAILS FOR MICROSERVICES ARCHITECTURES	Rajesh Poornachandran; Vincent Zimmer; Subrata Banik; Marcos Carranza; Kshitij Doshi; Francesc Guim Bernat; Karthik Kumar;	Intel Corporation;
344	20240066910	2023-08-25	MARK IDENTIFYING A COLLECTIBLE AS ORIGINATED BY ITS CREATOR OR MANUFACTURER	Stephen Kass; Greg Harrison; Scot Maxwell; Matthew Cook; Michael Cook; Mark Cook; Max Korbel;	
345	20240121092	2023-08-25	SECURELY PROCESSING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
346	20240121117	2023-08-25	SECURELY PROCESSING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
347	20240024774	2023-08-24	UTILIZING MOBILE DEVICE CAPABILITIES TO KEEP A USER ENGAGED WITH A MOBILE APPLICATION	PJ Putnam; Ruben Hammer;	
348	20240046391	2023-08-23	METHODS AND SYSTEM FOR MANAGING INTELLECTUAL PROPERTY USING A BLOCKCHAIN	Moses Ma;	
349	20240089129	2023-08-23	BLOCKCHAIN ZIPPER ENCRYPTED PACKAGE	Tyson Winarski;	
350	20240121122	2023-08-23	APPARATUS AND METHOD FOR ELECTING COMMITTEE NODE IN BLOCKCHAIN	Jong-Choul YIM; Jin-Tae OH; Young-Chang KIM; Chang-Hyun LEE;	
351	20230394570	2023-08-23	ELECTRONIC MORTGAGE BROKERING AND MONITORING	Ruth Hatherley; Jonathan Macdonald;	
352	20240045979	2023-08-22	BLOCKCHAIN MANAGED ACCESS SYSTEM	Romain Jufer; Cristian Ruiz; Olivier Morel;	NAGRAVISION SARL;
353	20240054459	2023-08-22	SYSTEMS AND METHODS FOR SECURELY SHARING PUBLIC BLOCKCHAIN ADDRESSES	Lior Glass; Ryan Marsh; Puneet Singhvi;	Citibank, N.A.;
354	20230394569	2023-08-22	CONTINUOUSLY MONITORING AND UPDATING MORTGAGE READY DATA	Benjamin Tarmann; Richard Rhodes; Lokesh Awasthy; Denise DeRoeck; Jaime Skaggs; Jacob Alt; Shanna Phillips; Shyam Tummala; Matthew Meierotto; Richard Groonwald; Brian Hughes;	
355	20240062252	2023-08-22	COLLABORATIVE NON-FUNGIBLE TOKEN ADVERTISING SYSTEM FOR TARGETED INFLUENCE ON SOCIAL NETWORK AND METHOD THEREOF	Amit Sharma; Melissa Ravi; Vidit Drolia;	
356	20240062318	2023-08-22	SYSTEM FOR ENABLING DIRECT MONETIZATION OF CONTENT THROUGH NON-FUNGIBLE TOKENS AND METHOD THEREOF	Amit Sharma; Melissa Ravi; Vidit Drolia;	
357	20240127128	2023-08-22	SYSTEM AND METHOD FOR A DIGITAL TICKETING PLATFORM	Jason Desimone;	
358	20240070627	2023-08-21	Healthcare Blockchain Cryptosystem	Louis Galterio;	
359	20230396442	2023-08-21	NFT-BASED AUTHENTICATION SYSTEM FOR TAGGED OBJECTS AND METHODS FOR USE THEREWITH	Mark Meyers; Bruce Stuckman; John Howard; Brian Howard; Gregory Meador;	Galiant Arts, LLC;
360	20240070770	2023-08-21	System and Method for Real-Time Minting and Enrichment of Sports Data	Christian Marko; Matjaz Ales; Lukas Marek; Shaun McMurray; Vadim Torosyan; Markus Klausmann;	STATS LLC;

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#	Pub. No	Filed	Title	Inventors	Assignees
361	20240153021	2023-08-21	SYSTEM AND METHOD FOR DOCUMENT TRANSFORMATION AND ACCOUNTABILITY	Edward Wu; Guy Gal; Christopher Dzoba; Jeffrey Judkins; Mark Stefik; Adriano Castro;	
362	20240089080	2023-08-20	SYSTEMS AND METHODS FOR COMMUNICATION, STORAGE AND PROCESSING OF DATA PROVIDED BY AN ENTITY OVER A BLOCKCHAIN NETWORK	Silvia BARTOLUCCI; Pauline BERNAT; Daniel JOSEPH;	
363	20240112193	2023-08-18	METHOD AND DEVICE FOR TRANSMITTING DATA BASED ON BLOCKCHAIN	Yongjoon KIM; Younghwan RYU; Sungwook WON; Geunseok JANG; Yonggil HAN;	
364	20230394468	2023-08-17	METHOD AND SYSTEM FOR IMPROVED BLOCKCHAIN PERFORMANCE THROUGH AGGREGATION	Chandan GARG; Jaipal KUMAWAT;	
365	20240062189	2023-08-17	ENABLING USERS HOLDING ONLY NON-NATIVE TOKENS TO EXECUTE BLOCKCHAIN TRANSACTIONS	Eric Parker; David Hurst; Brendan Wanlass; David Bland; Adam Olsen;	
366	20240062192	2023-08-17	SINGLE STEP STAKING FOR SMART CONTRACTS AND OTHER BLOCKCHAIN TRANSACTIONS	Eric Parker; David Hurst; Brendan Wanlass; David Bland; Adam Olsen;	
367	20240062203	2023-08-17	REDUCING GAS FEES FOR SMART CONTRACTS AND OTHER BLOCKCHAIN TRANSACTIONS	Eric Parker; David Hurst; Brendan Wanlass; David Bland; Adam Olsen;	
368	20240062204	2023-08-17	ELIMINATING THE RACE CONDITION AND INFINITE APPROVAL LOOPHOLE FOR SMART CONTRACTS AND OTHER BLOCKCHAIN TRANSACTIONS	Eric Parker; David Hurst; Brendan Wanlass; David Bland; Adam Olsen;	
369	20230394455	2023-08-17	NFT TRANSACTIONS VIA NFT AND POS PLATFORMS AND METHODS FOR USE THEREWITH	Mark Meyers; Bruce Stuckman; John Howard; Brian Howard; Gregory Meador;	Galiant Arts, LLC;
370	20230394059	2023-08-16	OFF-CHAIN FUNCTIONALITY FOR DATA CONTAINED IN BLOCKS OF BLOCKCHAIN	Stephen Opferman; William Benassi; James Gately;	CenturyLink Intellectual Property LLC;
371	20240163097	2023-08-16	NEURAL NETWORK CLASSIFIERS FOR BLOCK CHAIN DATA STRUCTURES	Victor DODS; Benjamin TAYLOR; Leonid ALEKSEYEV;	LedgerDomain Inc.;
372	20240058705	2023-08-15	VIRTUAL GAME ECONOMY INTEROPERABILITY	DELROY BROWN;	
373	20230385398	2023-08-14	Single Sign-On Solution Using Blockchain	Balaji Balaraman; Andras Ferenczi; Dallas Gale; Nilesh Jadhav; Harish Naik;	
374	20230388133	2023-08-14	SYSTEMS AND METHODS FOR CREATING A UNIVERSAL RECORD	Ajith Thekadath; Suman Mukherjee;	VISA INTERNATIONAL SERVICE ASSOCIATION;
375	20230385571	2023-08-13	PERSONAL MONITORING APPARATUS AND METHODS	RAYMOND JOAO;	
376	20230388276	2023-08-11	BLOCKCHAIN-BASED ANONYMOUS TRANSFERS ZERO-KNOWLEDGE PROOFS	THEO GAUTHIER; ROBIN SALEN; JAWAD TARIQ;	
377	20240061919	2023-08-11	METHOD AND APPARATUS FOR USER VERIFICATION	Kevin Tussy;	
378	20240121091	2023-08-11	SECURELY PROCESSING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
379	20240121116	2023-08-11	SECURELY PROCESSING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
380	20240056506	2023-08-10	NETWORK FUNCTION VALIDATION	Sireesha BOMMISETTY; Mallikarjunudu MAKHAM; Topuri BRAHMAIAH; Saurabh KHARE;	

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#	Pub. No	Filed	Title	Inventors	Assignees
381	20240006038	2023-08-09	TEAM-BASED TELE-DIAGNOSTICS BLOCKCHAIN-ENABLED SYSTEM	Shahid Shah;	Netspective Communications LLC;
382	20230388144	2023-08-09	SYSTEMS AND METHODS OF ENABLING BLOCKCHAIN-BASED BUILDING AUTOMATION SYSTEMS	Kevin Serwatowski;	
383	20240046267	2023-08-08	Virtual Blockchain Applications for Stored Value Tokens	Sohil Arora;	Bluestack Systems, Inc.;
384	20240046280	2023-08-08	METHOD AND SYSTEM FOR CARBON ACCOUNTING UTILIZING BLOCKCHAIN TECHNOLOGY	Mark Bell; Thatcher Young; John Scarborough;	
385	20240054507	2023-08-08	CONTENT MANAGEMENT SYSTEM, CONTENT GENERATION APPARATUS, CONTENT MANAGEMENT METHOD, CONTROL METHOD FOR CONTENTS GENERATION APPARATUS, AND STORAGE MEDIUM STORING CONTENT MANAGEMENT PROGRAM	ATSUSHI FUJITA; DAIYU UENO; MINORU SAKAIDA; NAOHIKO TSUCHIDA; KEIICHIRO KUBO; KEISUKE TANAKA;	
386	20240046293	2023-08-07	DYNAMIC BLOCKCHAIN-DRIVEN TRADING DATA FEEDS	Xavier Negron;	
387	20240046352	2023-08-07	MODULAR BLOCKCHAIN-IMPLEMENTED COMPONENTS FOR ALGORITHMIC TRADING	Xavier Negron;	
388	20230376973	2023-08-04	Fingerprinting Physical Items to Mint NFT's	Shannon Vosseller; Christopher Matthews; Andrew Chalkley; Paul Stathacopoulos;	eBay Inc.;
389	20240046340	2023-08-03	VEHICLE INFORMATION MANAGEMENT METHOD AND VEHICLE INFORMATION MANAGEMENT APPARATUS	Yoshihiro Tsujino; Daisuke Sawai; Shinji Mikami; Koki Osanai; Daisuke Tamaki;	Honda Motor Co., Ltd.;
390	20240046714	2023-08-03	VEHICLE INFORMATION MANAGEMENT METHOD AND VEHICLE INFORMATION MANAGEMENT APPARATUS	Koki Osanai; Daisuke Sawai; Shinji Mikami; Daisuke Tamaki; Yoshihiro Tsujino;	
391	20230377412	2023-08-02	PREPARATION AND INSTALLATION OF GAMING DEVICES USING BLOCKCHAIN	Nimish Purohit; Garrett Hill; Eric Taylor;	
392	20230377049	2023-08-02	SYSTEMS AND METHODS FOR MAINTAINING A DISTRIBUTED LEDGER OF TRANSACTIONS PERTAINING TO AN AUTONOMOUS VEHICLE	Matthew Floyd; Alvin Hon-wai Yu; Antwuan Murphy; Brittney Benzio; Lindsi Brantley; Matthew Delaney; Matthew Vulich; Matthew Rodriguez; Neha Goel; Sabrina Collins; Annie Murillo;	
393	20230379339	2023-08-02	TRACKING OR STORING OF EQUIPMENT CONFIGURATION DATA USING IMMUTABLE LEDGER FUNCTIONALITY OF BLOCKCHAINS	Kevin McBride; Hunter Rudd; James Sutherland; Steven Casey;	CenturyLink Intellectual Property LLC;
394	20240046360	2023-08-02	AUTOMATIC VALUE DISTRIBUTION IN DECENTRALIZED PROTOCOLS	Xavier Negron;	
395	20240056299	2023-08-01	TRAFFIC ACCIDENT FORENSICS METHOD BASED ON BLOCKCHAIN	Qi Xie; Xiumei Li; Zixuan Ding; Bin Hu; Xiao Tan;	
396	20240048973	2023-08-01	METHOD AND SYSTEM FOR VERIFYING DATA COMMUNICATION INTEGRITY IN AN AIRCRAFT	Burak YÜKSEL;	Volocopter GmbH;
397	20240073044	2023-08-01	PERMISSIBLE CODE ANALYSIS	John Muddle; Jeremy Taylor;	
398	20240135363	2023-08-01	Method and System for Transferring a Digital Asset and for Managing a Digital Wallet Application	Michael Donald; Alexander Donald;	
399	20240198034	2023-08-01	PLATFORM PROVIDING SYSTEM FOR VEHICLE CONTENT SERVICE AND PLATFORM PROVIDING METHOD THEREFOR	Ki Kim; Dong Park; Eun Jo; Sang Hong;	HYUNDAI MOTOR COMPANY; KIA CORPORATION;
400	20230379170	2023-07-31	SYSTEMS AND METHODS FOR DISTRIBUTED EXTENSIBLE BLOCKCHAIN STRUCTURES	Phillip Griffin;	Wells Fargo Bank, N.A.;

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#	Pub. No	Filed	Title	Inventors	Assignees
401	20230375476	2023-07-31	SYSTEM AND METHOD FOR ASSESSING PRODUCT	Fartash Vasefi; Kenneth Barton; Hossein Kashani Zadeh; Shereen Ismail; Hassan Reza;	
402	20240037651	2023-07-31	CRYPTOGRAPHIC LENDING ASSET TRANSACTION INTELLIGENT NEGOTIATION ASSISTANT SYSTEM AND METHOD THEREOF	Pavan AGARWAL; Gabriel SANCHEZ; Jonathan RIVERA;	Celligence International LLC;
403	20240075392	2023-07-31	GAMING SYSTEMS AND METHODS WITH AUTOMATED AVATAR PLAY	Joel JAFFE; Sarah LEGGETT; Roger SNOW; Kenneth SOONG;	
404	20230379141	2023-07-28	PROGRAMMABLE BLOCKCHAIN SOLID STATE DRIVE AND SWITCH	Rajinikanth Pandurangan; Vijay Balakrishnan;	
405	20230368050	2023-07-28	MANAGING INFORMATION FOR MODEL TRAINING USING DISTRIBUTED BLOCKCHAIN LEDGER	Kevin Gidney;	
406	20230370284	2023-07-28	PROVING TOP LEVEL DOMAIN NAME CONTROL ON A BLOCKCHAIN	Andrew KAIZER; Swapneel SHETH;	VeriSign, Inc.;
407	20240045656	2023-07-28	METHOD FOR GENERATING RANDOM NUMBER FOR GAMING BASED ON BLOCKCHAIN NETWORK AND GAMING SYSTEM	Kai-Hsin Chuang; Yu-Hsin Wang;	PUFsecurity Corporation;
408	20240046263	2023-07-28	BLOCKCHAIN SYSTEM FOR MINING TRANSACTION USING PARALLEL BLOCKS TO IMPROVE SCALABILITY AND A METHOD THEREOF	Sujit Gujar; Kannan Srinathan; Anurag Jain;	
409	20240037687	2023-07-28	LOTTERY DRAWING METHOD FOR MULTIPLE NFT PRIZES AND THE NFT LOTTERY SYSTEM THEREOF	Christopher Godwin;	
410	20240160739	2023-07-28	NFT-based Firmware Management	Ke HAN; Weize YE; Ling YUE;	
411	20230366590	2023-07-27	METHOD AND SYSTEM FOR RECOVERING AND UTILIZING HEAT ENERGY PRODUCED BY COMPUTER HARDWARE IN BLOCKCHAIN MINING OPERATIONS	Elena Polyakova; Daniel Stolyarov;	G6 Materials Corp.;
412	20230370246	2023-07-27	Blockchain Management Platform for Performing Asset Adjustment, Cross Sectional Editing, and Bonding	Manu Kurian; Joseph Castinado;	
413	20230370518	2023-07-27	Systems, Methods and Media for a Chronicle Blockchain and Consensus by Conference Proof of Stake Protocol	William Ziebell; Angela Ziebell;	Pinx, Inc.;
414	20240020421	2023-07-27	DISTRIBUTED APPLICATION ARCHITECTURES USING BLOCKCHAIN AND DISTRIBUTED FILE SYSTEMS	Dmytro SEMENOV; Mahesh DATHRIKA; Michael RAWLINGS; Dylan Nelson Jamie PIERCEY;	
415	20240028702	2023-07-27	BLOCKCHAIN IMPLEMENTED COUNTING SYSTEM AND METHOD FOR USE IN SECURE VOTING AND DISTRIBUTION	Craig WRIGHT; Stephane SAVANAH;	
416	20240046730	2023-07-27	SYSTEMS AND METHODS FOR POLITICAL GOVERNANCE THAT COMBINE REPRESENTATIVE AND DIRECT DEMOCRACY USING DECENTRALIZED OR CENTRALIZED BLOCKCHAIN TECHNOLOGY	Larry O'BRIEN;	
417	20230368217	2023-07-27	SYSTEMS AND METHODS FOR PROVISIONING CRYPTOGRAPHIC DIGITAL ASSETS FOR BLOCKCHAIN-SECURED RETAIL PRODUCTS	Christopher Andon; Hien Pham;	NIKE, Inc.;
418	20240037567	2023-07-27	GREENHOUSE GAS EMISSIONS MANAGEMENT METHOD	Kouhei NISHIWADA; Takehiro WATASE;	
419	20240039725	2023-07-27	SYSTEM AND METHOD FOR EDITING CUSTOM DECORATED DIGITAL IMAGE AND ISSUING THEM AS NON FUNGIBLE TOKEN	Jae KANG;	Kaura Inc.;
420	20240202705	2023-07-27	METHOD FOR PROVIDING VIRTUAL KEYBOARD SERVICE THAT PAYS CRYPTOCURRENCY REWARDS USING USER WALLET PROVIDED BY SERVICE PROVIDER AND APPARATUS USING THE SAME	Chang-Young KIM; Ho-Jung RYU;	

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#	Pub. No	Filed	Title	Inventors	Assignees
421	20230368198	2023-07-26	SECURE MANAGEMENT OF CONTENT DISTRIBUTION DATA BLOCKS ON A BLOCKCHAIN	Sergio GONZALES, Jr;	
422	20240022442	2023-07-26	USING X.509 AND BLOCKCHAIN TO PROVIDE A TECHNOLOGY PLATFORM THROUGH WHICH USERS MAY SECURELY POST DIGITAL INFORMATION, INTO A SYSTEM AND TO COMMENT ON, SUPPLEMENT, DIGITALLY ASSOCIATE THEIR INFORMATION WITH PREVIOUSLY POSTED INFORMATION USING T-TAGS AND TO SUPPORT AND ORGANIZE POSTED INFORMATION WITH A COMMUNITY OF USERS TO SUGGEST OR ESTABLISH TRUSTWORTHY AND/OR AGREED UPON REALITIES FOR MULTIPLE INFORMATION CATEGORIES AND TOPICS	David Kravitz; Donald Graham, III;	
423	20240161189	2023-07-25	SYSTEM TO TRADE ATHLETES PERFORMANCE PROFILES AS STOCKS	Aryan THAKKER;	
424	20240036538	2023-07-24	BLOCKCHAIN FOR AUTHENTICATION OF BATTERIES, ACCESSORIES, AND POWER TOOLS	Shing LI;	
425	20230394507	2023-07-24	SYSTEM TO MASSIVELY SCALE THE REDUCTION OF GREENHOUSE GAS EMISSIONS WITH CLIMATE ACTION PLATFORM THAT SOLVES MANY CHALLENGES INCLUDING DOUBLE COUNTING, TRACEABILITY, AND FRICTION	Sudhir Giroti;	
426	20230368608	2023-07-24	SECURELY STORING MACHINE DATA ON A NON-VOLATILE MEMORY DEVICE	Nimish Purohit; Tyson Adams; Rex Carlson; Garrett Hill; Rajendrasinh Jadeja;	
427	20240039924	2023-07-23	Blockchain-Based Commercial Inventory Systems and Methods	Jordan Simons;	AMERICORP INVESTMENTS LLC;
428	20230367625	2023-07-21	LANGUAGE AGNOSTIC SMART CONTRACT EXECUTION ON A BLOCKCHAIN	Ian Holsman;	
429	20240022571	2023-07-21	BLOCKCHAIN FOLDING	Asad HAQUE; Nancy DAVOUST;	
430	20230368197	2023-07-20	METHOD AND SYSTEM FOR MEDIATED CROSS LEDGER STABLE COIN ATOMIC SWAPS USING HASHLOCKS	Srinath RAVINATHAN; Donghao HUANG; Hancong GUAN; Karl CHENG; Phuoc Hoang Long LE; Weiming MA;	
431	20230360037	2023-07-20	CONTROL SYSTEM, STORAGE MEDIUM, AND CONTROL METHOD	Shingo FUJIMOTO;	FUJITSU LIMITED;
432	20240028761	2023-07-19	INTER-HOSPITAL ELECTRONIC MEDICAL RECORD ACCESS AUTHENTICATION PROTOCOL BASED ON BLOCKCHAINS	Qi Xie; Xiumei Li; Zixuan Ding; Bin Hu; Xiao Tan; Lidong Han;	
433	20240029366	2023-07-19	DIGITAL CONTENT PLATFORM INCLUDING METHODS AND SYSTEM FOR RECORDING AND STORING DIGITAL CONTENT	Jennifer Richey; Aaron Richey; Ryan Kennedy; Mark Buche; Marc Rollins; Cooper Brown; Brandon Millsap; Carrie Millsap; Abigail Richey;	
434	20230370263	2023-07-18	MASTER KEY ESCROW PROCESS	Arun Velagapalli; Nitin Mahendru; Arthur Britto; David Schwartz; Kimon Papahadjopoulos;	POLYSIGN, INC.;
435	20230360097	2023-07-18	Transaction Access Control Using Tokenized Reputation Scores	Shannon Vosseller; Andrew Chalkley;	eBay Inc.;
436	20240021053	2023-07-18	LOCALIZED BETTING SYSTEM AND METHOD	Scott Carlson; José-Emmanuel Pont;	NAGRAVISION SARL;
437	20230410103	2023-07-17	ZERO-KNOWLEDGE PROOF PAYMENTS USING BLOCKCHAIN	ANDRAS FERENCZI; DALLAS GALE; NILESH JADHAV; HARISH NAIK;	
438	20240020681	2023-07-17	DIGITAL TOKENS USING BLOCKCHAIN	Eric FINNERUD;	
439	20230360087	2023-07-17	USER CONTROL OF ANONYMIZED PROFILING DATA USING PUBLIC AND PRIVATE BLOCKCHAINS IN AN ELECTRONIC AD MARKETPLACE	Paul LAWBAUGH; Dashiell LAVINE;	Concord Technologies Inc.;
440	20240020684	2023-07-17	Multi-Factor Authentication (MFA) for Smart Contract Wallets	Kyle Mistele;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
441	20240028750	2023-07-17	MANAGING SYSTEM, CONTROL METHOD FOR MANAGING SYSTEM, AND STORAGE MEDIUM	TOSHIKI TSUBOI;	
442	20240073198	2023-07-14	METHOD AND APPARATUS OF MANAGING ACCESS TO VIRTUAL SPACES BASED ON DIGITAL NON-FUNGIBLE TOKENS	Jinyee LEE; Jaehyun KIM; Mooyeol KIM; Eunhye HWANG;	Dunamu Inc.;
443	20230360120	2023-07-13	BLOCKCHAIN BASED LOAN SECURITIZATION	David Duccini; Phillip Griffin; David Newman; Nishant Usapkar;	Wells Fargo Bank, N.A.;
444	20230359735	2023-07-13	INSPECTION SYSTEM, INSPECTION METHOD, AND COMPUTER PROGRAM	Teruhiro TAGOMORI;	
445	20230361998	2023-07-13	SYSTEM AND METHOD FOR PROVIDING CRYPTOGRAPHICALLY SECURED DIGITAL ASSETS	Christopher Andon; Matthew Davis; Hien Pham; Jeremy Schroeder;	NIKE, Inc.;
446	20230362015	2023-07-13	NOTIFICATION CONTROL METHOD, VERIFICATION METHOD, AND INFORMATION PROCESSING APPARATUS	Keita KAYABA; Yuki YONEKURA; Yoshiki HIGASHIKADO; Masanobu MORINAGA; Yasushi TAKAHASHI; Rikuhiro KOJIMA;	FUJITSU LIMITED;
447	20240020355	2023-07-13	NON-FUNGIBLE TOKEN AUTHENTICATION	Jeffrey Binder; Charles Hasek; Lindsay Gardner;	
448	20240015211	2023-07-12	COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR PROPAGATION AND COMMUNICATION OF DATA IN A NETWORK SUCH AS A BLOCKCHAIN NETWORK	Silvia BARTOLUCCI; Daniel JOSEPH; Simone MADEO;	
449	20230350869	2023-07-12	SYSTEMS AND METHODS FOR ANALYZING VEHICLE SENSOR DATA VIA A BLOCKCHAIN	William Leise; Jacob Alt; Jaime Skaggs; Eric Bellas; Shawn Call; Eric Moore; Melinda Magerkurth; Vicki King;	
450	20240048378	2023-07-12	PARTITIONING A BLOCKCHAIN NETWORK	Dean KRAMER; Martin SEWELL; Bassem AMMAR;	
451	20240005397	2023-07-12	BLOCKCHAIN-BASED SHARED APPRECIATION NOTE	David JETTE; Brett MARKINSON;	Homium, LLC;
452	20240013152	2023-07-11	SYSTEM AND METHOD FOR AN ENHANCED INTERACTIVE DIGITAL EVENT DESIGN PLATFORM	Farah Allen; Lucien Wall;	The Labz Inc.;
453	20230368158	2023-07-11	CRYPTOGRAPHIC CURRENCY EXCHANGE	Roman SHTYLMAN; Samo DROLE;	Coinbase, Inc.;
454	20230350881	2023-07-11	SYSTEMS AND METHODS FOR AUTOMATED RECOVERY OF BLOCKCHAIN-BASED ACCOUNTS	Adam Vukich; Kevin Kelly; Adnan Malik; Mykhaylo Bulgakov; William Carroll; Steven Quadros; Abdelkader Benkreira;	
455	20230351342	2023-07-10	METHOD AND SYSTEM FOR A FAILSAFE MECHANISM FOR BLOCKCHAIN WALLETS	Aishwarya MALLIK; Alok DWIVEDI; Chandan GARG;	
456	20240012794	2023-07-07	METHODS AND SYSTEMS PROVIDING NFT CHARACTERS ON A BLOCKCHAIN	Sean REID; Luc BERNARD;	
457	20230362018	2023-07-07	System and Method for Secure Internet Communications	Jose Rivera; Michael Lasky; Andrew Bruce;	TripleCyber Corp.;
458	20230351489	2023-07-06	EVENT-BASED DISTRIBUTION OF CRYPTOGRAPHICALLY SECURED DIGITAL ASSETS	Christopher Andon; Matthew Davis; Hien Pham; Jeremy Schroeder;	NIKE, Inc.;
459	20230353393	2023-07-06	BLOCKCHAIN-BASED METHODS AND APPARATUSES FOR PROCESSING DATA, DEVICES AND READABLE STORAGE MEDIUMS	Haoming FENG; Zheming YAN; Haitao TU; Libao HE; Jiabao CHEN;	TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED;
460	20240073016	2023-07-06	DISTRIBUTED DIGITAL WALLET SEED PHRASE	Gary Anderson; Jason Gagne-Keats; David Evans, V;	

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#	Pub. No	Filed	Title	Inventors	Assignees
461	20240087696	2023-07-06	NON-FUNGIBLE TOKEN SYSTEMS AND METHODS FOR STORING AND ACCESSING HEALTHCARE DATA	Michael Cordonnier; Shariq Hussain; Niall Casey;	
462	20230377417	2023-07-05	PROOF OF PLAY BLOCKCHAIN MINING	William Copeland;	
463	20240176776	2023-07-05	METHOD AND SYSTEM FOR OPTIMIZING BLOCKCHAIN COMPLEXITY	Zisis Tsiatsikas;	
464	20240012944	2023-07-05	SYSTEM AND METHOD FOR AUTHENTICATING CERTIFICATES USING NFTS	MEIRAV HAREL;	
465	20230419316	2023-07-03	SYSTEMS AND METHODS FOR RECORDING ASSETS AND TRANSACTIONS THEREOF IN BLOCKCHAINS	Sak Mahasuverachai;	
466	20230361987	2023-06-30	BLOCKCHAIN NETWORK CONTROL SYSTEM AND METHODS	Stephen MEYERS; Alec IVERSON;	
467	20230342735	2023-06-30	CARBON NEUTRAL BLOCKCHAIN PROTOCOL FOR RESOLVING CARBON OFFSETTER PAYMENTS FOR CRYPTOCURRENCY TRANSACTIONS	Sujay Purandare; Charles Gabriel Neale Dalton; Michael Todasco; Norihiro Aoki; Suryatej Gundavelli;	
468	20230344619	2023-06-30	METHOD FOR SIGNING A NEW BLOCK IN A DECENTRALIZED BLOCKCHAIN CONSENSUS NETWORK	Ghassan Karame; Wenting Li; Giorgia Marson; Jens-Matthias Bohli; Sebastien Andreina;	
469	20230344864	2023-06-30	Apparatus, Device, Method, and Non-Transitory Machine-Readable Storage Medium for a Node of a Blockchain Network	Mario DIVAN KOLLER; Marcos CARRANZA; Rajesh POORNACHANDRAN; Francesc GUIM BERNAT; Cesar MARTINEZ-SPESSOT;	
470	20230351528	2023-06-30	COMPUTER IMPLEMENTED BLOCKCHAIN-BASED SYSTEM FOR AGRICULTURAL PRODUCTS	David BEHRENDS; Diana KALIFF; Darby BODDEN; Fabian PORTMANN; Jaqueline TOMASINI CASTRO;	
471	20230353355	2023-06-30	TAG-BASED AUTHENTICATION SYSTEM AND METHODS FOR USE THEREWITH	Mark Meyers; Bruce Stuckman; John Howard; Brian Howard; Gregory Meador;	Galiant Arts, LLC;
472	20230351367	2023-06-29	SYSTEMS AND METHODS OF BLOCKCHAIN TRANSACTION RECORDATION	Thomas FAY; Dominick PANISCOTTI;	
473	20230342741	2023-06-29	ASSET RIGHT MANAGEMENT SYSTEM BASED ON BLOCKCHAIN AND METHOD THEREOF	Chen-Hsuan WANG; Jiann-Min YANG; Scott MIAU;	
474	20230421355	2023-06-29	SYSTEMS AND METHODS FOR STORAGE, GENERATION AND VERIFICATION OF TOKENS USED TO CONTROL ACCESS TO A RESOURCE	Craig WRIGHT;	
475	20230360140	2023-06-29	Using a Distributed Ledger to Determine Fault in Subrogation	William Leise; Douglas Graff; Anthony McCoy; Jaime Skaggs; Shawn Call; Stacie McCullough; Wendy Clayton; Melinda Magerkurth; Kim Flesher; Travis Runge;	
476	20240006646	2023-06-28	METHOD FOR COORDINATED CONTROL OF ELECTRO-HYDROGEN INTEGRATED SYSTEM BASED ON BLOCKCHAIN SMART CONTRACT	Jianxiao Wang; Guannan He; Feng Gao; Jingsi Huang; Jie Song;	
477	20240022429	2023-06-28	REGISTERING AND VALIDATING A NEW VALIDATOR FOR A PROOF-OF-ORIGIN BLOCKCHAIN	Bart THEETEN; Michael TIMMERS;	
478	20240211941	2023-06-28	BLOCKCHAIN PROVISION SYSTEM AND METHOD USING NON-COMPETITIVE CONSENSUS ALGORITHM AND MICRO-CHAIN ARCHITECTURE TO ENSURE TRANSACTION PROCESSING SPEED, SCALABILITY, AND SECURITY SUITABLE FOR COMMERCIAL SERVICES	Jung LEE; Hyun LEE; Min LEE; Jin HAN; Young JO; Beum GWAK;	
479	20230421377	2023-06-28	Systems and Methods for Node Facilitation, Communication, and Maintenance	Bjorn Jakobsson; Keir Finlow-Bates;	Artema Labs, Inc;
480	20230353375	2023-06-27	REWARD POINT TRANSFERS USING BLOCKCHAIN	Vasudevan Swamidurai;	

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#	Pub. No	Filed	Title	Inventors	Assignees
481	20240007534	2023-06-27	FRAMEWORK, METHOD, AND DEVICE FOR INTERNET OF THINGS SERVICE	YOUNGHWAN CHOI;	
482	20230419306	2023-06-27	NON-FUNGIBLE TOKEN DISTRIBUTION, DISPLAY AND STORAGE SYSTEM USING MOBILE SMARTPHONE WALLETS	Steven Shulman;	
483	20230342717	2023-06-27	UPSTREAM VISIBILITY IN SUPPLY-CHAIN	Elisabeth Paulson; Ashish Jagmohan; Ajay Deshpande; Pavithra Harsha; Ali Koc; Krishna Ratakonda; Ramesh Gopinath;	
484	20240121107	2023-06-27	Identification Of A Suspect Computer Application Instance Based On Rolling Baseline	Brian Christian;	
485	20230334600	2023-06-26	BLOCKCHAIN MINE AT OIL OR GAS FACILITY	Stephen Barbour;	
486	20230419326	2023-06-26	SECURITY DETECTION FOR BLOCKCHAINS	Huagang Xie; Wei Xu;	
487	20240046230	2023-06-26	SYSTEMS AND METHODS FOR HYPERLEDGER-BASED PAYMENT TRANSACTIONS, ALERTS, AND DISPUTE SETTLEMENT, USING SMART CONTRACTS	Ramesh VIJAYARAGHAVAN;	
488	20240015015	2023-06-23	METHODS AND SYSTEMS FOR REGISTERING INFORMATION IN A PERMISSIONED BLOCKCHAIN AND VERIFYING INTEGRITY OF A PAYLOAD	Davide Lenzarini;	
489	20230334476	2023-06-23	USING A CONTACTLESS CARD TO SECURELY SHARE PERSONAL DATA STORED IN A BLOCKCHAIN	Jeffrey RULE; Rajko ILINCIC; Kaitlin NEWMAN;	Capital One Services, LLC;
490	20230334797	2023-06-23	CONTEXTUAL CONTROL OF DIGITAL FILES BUILT ON THE BLOCKCHAIN & PROJECTED IN AUGMENTED REALITY	Asad Malik; Jack Gerrard; Jake Sally;	
491	20230334930	2023-06-23	CONSENSUS METHOD AND APPARATUS FOR BLOCKCHAIN, SERVER AND STORAGE MEDIUM	Weiwei QIU; Wei LI; Fanglei HUANG; Kejie ZHANG; Hao DUAN;	
492	20230419276	2023-06-23	USING A CONVERSATION INTERFACE TO TRANSFER DIGITAL ASSETS	Pavan AGARWAL; Gabriel SANCHEZ; Jonathan RIVERA; Thomas SMITH;	Celligence International LLC;
493	20230410215	2023-06-22	CRYPTOGRAPHIC METHOD AND SYSTEM FOR SECURE EXTRACTION OF DATA FROM A BLOCKCHAIN	Craig WRIGHT;	
494	20230333843	2023-06-22	SOFTWARE SUPPLY CHAIN QUALITY CONTROL EVALUATION	Michael Angelo; Alexander Hoole;	
495	20230336350	2023-06-22	LINKING DIGITAL AND PHYSICAL NON-FUNGIBLE ITEMS	Jason Gagne-Keats; Gary Anderson; Wolfgang Muller; Jean-Baptiste Theou;	
496	20240095733	2023-06-22	BLOCKCHAIN-BASED DOMAIN NAME REGISTRAR AND MANAGEMENT SYSTEM	Paul Gauvreau, JR;	
497	20240171548	2023-06-22	SECURITY MANAGEMENT FOR NETWORKED CLIENT DEVICES USING A DISTRIBUTED LEDGER SERVICE	Jay FALLAH; Kristopher BYRNE; Kevin OERTON; Josef ZANKOWICZ; Scott RANKINE;	
498	20230420942	2023-06-21	FEEDSTOCK POWERED BLOCKCHAIN COMPUTATIONAL OPERATIONS	Everett Gray, II;	
			DATA STORAGE DEVICE, DATA		

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#	Pub. No	Filed	Title	Inventors	Assignees
501	20230334609	2023-06-20	INFORMATION MANAGEMENT METHOD AND NON-TRANSITORY, COMPUTER READABLE, TANGIBLE STORAGE MEDIUM STORING INFORMATION MANAGEMENT PROGRAM	TATSUYA OKABE;	
502	20230334726	2023-06-20	BLOCKCHAIN-BASED DATA PROCESSING METHOD AND APPARATUS, DEVICE, STORAGE MEDIUM, AND PROGRAM PRODUCT	Rui GUO; Hu LAN; Zongyou WANG; Jun LIANG; Yang LU; Chaojie QI; Shitao XU; Yang MO; Yifang SHI; Gengliang ZHU; Lisen LI; Yubin SONG; Chao WANG; Ming LIU; Yongjing LI; Hui ZHANG; Zimin CHEN; Zuodong LIANG; Bo QIN; Tao FAN;	
503	20240021046	2023-06-20	SYSTEMS AND METHODS FOR USE OF CRYPTOCURRENCIES IN A CASINO GAMING SYSTEM	Sravan UPADRASTA; Vishnuvikas KRISHNAMURTHY; Muthukumaran PALANICHAMY; Karthikeyan ELANGOVAN; Muthu SELVAMANI; Venkatakrishnan RAMABADRAN; Raghunathan PARI; Nandakumar MANOHAR; Harikumar THIAGARAJAN; Balan SANDEEP; Shanmuga ANANTH; Kalimuthu ARIRAM; Sundar SATYA; Mohana MOHAN; Basha MOHAMADRAFY; Nallarasu BANUPRIYA;	
504	20230334181	2023-06-16	SYSTEM AND METHOD FOR INTERACTION OBJECT MANAGEMENT IN A BLOCKCHAIN ENVIRONMENT	Gustavo Manuel Damil Marin;	
505	20230419274	2023-06-16	Fully Collateralized Automated Market Maker	Josh Williams; Raymond Chiapuzio;	
506	20230419285	2023-06-16	NFT Enforcement Control System	Josh Williams; Raymond Chiapuzio;	
507	20230412393	2023-06-16	Multisignature Custody of Digital Assets	Josh Williams; Raymond Chiapuzio;	
508	20240097447	2023-06-16	COMPUTER-READABLE RECORDING MEDIUM STORING POWER TRANSACTION PROGRAM, POWER TRANSACTION METHOD, AND POWER TRANSACTION APPARATUS	Fumihiko KOZAKURA;	Fujitsu Limited;
509	20230325525	2023-06-14	SYSTEMS AND METHODS FOR SECURING AND DISSEMINATING TIME SENSITIVE INFORMATION USING A BLOCKCHAIN	AKBAR ANSARI; Thomas FAY; Dominick PANISCOTTI;	
510	20230327879	2023-06-14	SYSTEM AND METHOD FOR MAINTAINING USAGE RECORDS IN A SHARED COMPUTING ENVIRONMENT	Krzysztof Fabjanski;	
511	20240135365	2023-06-14	SYSTEMS AND METHODS FOR EXCHANGING ELECTRONIC TOKENS	Daniel Kang; Thomas Chen; Jonathan Ko;	
512	20230410956	2023-06-13	DATA STRUCTURE SUPPORTING CLINICAL STUDY CREATION, DISTRIBUTION AND FISCAL COMPONENTS	Jaron Gladstone; Albert Angel;	
513	20230325833	2023-06-13	BLOCKCHAIN-BASED DATA PROCESSING METHOD AND APPARATUS, DEVICE, STORAGE MEDIUM, AND PROGRAM PRODUCT	Zimin CHEN; Hui ZHANG; Hu LAN;	
514	20240163242	2023-06-13	DISTRIBUTED DOMAIN NAME RESOLUTION AND METHOD FOR USE OF SAME	Scott Gaydos; Robert Otting;	
515	20230398457	2023-06-12	EXTENSIBLE BLOCKCHAIN APPLICATION PLATFORM	Jacob Floyd; Jonathan Sawler; Michael Tourigny;	
516	20240146802	2023-06-09	HIGH-SPEED SYNCHRONIZATION APPARATUS AND METHOD BASED ON BLOCKCHAIN UNIT FILE	Dong-Myung SUL;	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE;
517	20230409604	2023-06-09	NATURAL LANGUAGE PROCESSING FOR BLOCKCHAIN-BASED MANAGEMENT OF MULTI-SOURCE, MULTI-FORMAT BINARY OBJECTS	Irene Woerner; Ronald Chi King Kong; Vivian Chow;	
518	20230401655	2023-06-08	SYSTEM AND METHOD USING BLOCKCHAIN TO INCENTIVIZE WATER CONSERVATION	John Armstrong; Ofer Tenenbaum; George Richmond; Daniel Honeywell;	
519	20230327885	2023-06-07	QUANTUM-SAFE BLOCKCHAIN VAULT SYSTEM	Phillip Griffin;	Wells Fargo Bank, N.A.;
520	20230316414	2023-06-07	BLOCKCHAIN SUBROGATION CLAIMS WITH ARBITRATION	Shawn Call; Jaime Skaggs; Eric Bellas; Douglas Graff; William Leise; Vicki King; Jacob Alt; Eric Moore; Stacie McCullough;	

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#	Pub. No	Filed	Title	Inventors	Assignees
521	20230318959	2023-06-07	COMPLIANCE MECHANISMS IN BLOCKCHAIN NETWORKS	Petr Novotny; Jeronimo Irazabal; Nitin Gaur; Dulce Ponceleon;	
522	20240028610	2023-06-07	RESTRICTED BLOCKCHAIN CLUSTER	Jianju Liu; Aaron Jimenez; Wenxuan Xu; Jianglan Han;	
523	20230316216	2023-06-06	DETERMINING ITEM MORTALITY BASED ON TRACKED ENVIRONMENTAL CONDITIONS DURING TRANSIT	Joseph Jurich, JR; David Schuhardt;	
524	20240005310	2023-06-05	IMPLEMENTING LOGIC GATE FUNCTIONALITY USING A BLOCKCHAIN	Craig WRIGHT; Stephane SAVANAH;	
525	20230401577	2023-06-05	Energy-to-Token Redistribution Systems and Methods for Wireless Network Access and Localized Blockchain Distributed Computing	Cory Hammock; Braden Karony; Robert Spraggs;	
526	20230314168	2023-06-05	METHOD AND APPARATUS FOR ENABLING MAP UPDATES USING A BLOCKCHAIN PLATFORM	Justyna Zander;	
527	20230319060	2023-06-05	PORTABLE TRUST RATING METHOD AND SYSTEM	Riccardo Vieri;	
528	20230327880	2023-06-02	QUANTUMPROOF BLOCKCHAIN	Jintai DING; Yangxing DING;	
529	20230316248	2023-06-02	SYSTEMS AND METHODS FOR OPERATING A BRIDGE SERVER TO SUPPORT MULTIPLE SHARDS OF A BLOCKCHAIN	Cameron Thacker; Andrew Royer; Rudy Koch;	
530	20230318843	2023-06-02	QUANTUMPROOF BLOCKCHAIN	Jintai DING; Yangxing DING;	
531	20240036855	2023-06-02	METHOD AND SYSTEM FOR UPDATING IoT FIRMWARE USING CONSENSUS ALGORITHM OF BLOCKCHAIN	Cheol YOON; Jang KANG; Jee KIM; Dae JANG; Yong SHIN;	
532	20230352056	2023-06-02	RETROACTIVE RECORDING OF A MEETING	Dhirendra BHUPATI;	Microsoft Technology Licensing, LLC;
533	20240037552	2023-06-02	METHOD AND SYSTEM FOR BLOCKING ILLEGAL WITHDRAWAL USING VIRTUAL ASSET DOUBLE PAYMENT PREVENTION POLICY	Cheol YOON; Gyeong BAEK; Dae JANG; Yong SHIN;	
534	20230394481	2023-06-01	AUTHORIZING PUBLIC TRUST LEDGER ACTIONS VIA A DATABASE SYSTEM	Prithvi PADMANABHAN;	Salesforce, Inc.;
535	20240139631	2023-06-01	CROSS-GAME INTEROPERABILITY INTERFACES WITHIN A GAMING ENVIRONMENT WITH ON-CHAIN CRYPTOGRAPHIC ASSETS	Tawsif Khan; Beau Button;	
536	20240139632	2023-06-01	GAME-SPECIFIC APPLICATION OF CRYPTOGRAPHIC ASSETS FOR ELECTRONIC GAME PROGRESSION IN A GAMING ENVIRONMENT	Tawsif Khan; Beau Button;	
537	20230306016	2023-05-31	CASCADING FAMILY OF BLOCKCHAINS	Ganesh Krishnan; Dharmesh Dadbhawala; Ashish Baluja; Bhaumik Dedhia;	
538	20240152503	2023-05-31	APPARATUS AND METHOD FOR SEARCHING FOR ON-CHAIN DATA BASED ON INDEX	Ji-Yong KIM; Mi-Young JANG; Jong-Ho WON;	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE;
539	20240012954	2023-05-30	BLOCKCHAIN-BASED DIGITAL TWINS METHODS AND SYSTEMS	Larry Greunke;	
540	20230385117	2023-05-30	METHOD, CONTROLLER, AND COMPUTER-READABLE MEDIUM OF A DISTRIBUTED LEDGER NETWORK FOR UNINTERRUPTED TRANSMISSION PROCESSING AND CONTINUOUS NET TRANSMISSION AMONG A PLURALITY OF CLIENTS OF THE DISTRIBUTED LEDGER NETWORK	Kevin Lupowitz; Eric Couillard; Glendy Kam; Andre Frank; Sanjaya Kulkarni; Joe Grastara;	

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541	20230385965	2023-05-30	SYSTEMS AND METHODS FOR TOKENIZED REAL ESTATE	Jean-Marc Jacobson; Remy Jacobson;	
542	20240119451	2023-05-29	SECURELY PROCESSING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
543	20240119530	2023-05-29	SECURELY PROCESSING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
544	20240119531	2023-05-29	SECURELY PROCESSING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
545	20240121090	2023-05-29	SECURELY PROCESSING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
546	20240121099	2023-05-29	SECURELY PROCESSING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
547	20240121100	2023-05-29	SECURELY PROCESSING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
548	20230385824	2023-05-27	Energy-to-Token Redistribution Systems and Methods for Wireless Network Access and Localized Blockchain Distributed Computing	Cory Hammock; Braden Karony; Robert Spraggs;	
549	20230308518	2023-05-26	METHODS AND APPARATUS FOR INCENTIVIZING PARTICIPATION IN FOG NETWORKS	Richard Murphy; Fa-Long Luo;	
550	20230298108	2023-05-26	DISTRIBUTED LEDGER SYSTEM FOR MANAGING SMART DATA	Ronny Bryant; Stacie McCullough; Mitchell Hill; Jacob Alt; Jaime Skaggs; Shawn Call; Eric Bellas; Vicki King; Melinda Magerkurth;	
551	20240046259	2023-05-26	STORAGE MEDIUM, CONSIDERATION DISTRIBUTION METHOD, AND CONSIDERATION DISTRIBUTION APPARATUS	Takeshi MIYAMAE; Shenbin ZHANG;	Fujitsu Limited;
552	20240144385	2023-05-25	USE OF BLOCKCHAIN BASED DISTRIBUTED CONSENSUS CONTROL	Lawrence Orsini; Yun Wei; Joseph Lubin;	
553	20230384233	2023-05-25	Systems and Methods for Reliable Authentication of Jewelry and/or Gemstones	Igor Gonta; Tiara Headen; Steven Zell;	
554	20230384234	2023-05-25	Systems and Methods for Creating Reliable Signatures for Authentication of Jewelry and/or Gemstones	Igor Gonta; Tiara Headen; Steven Zell;	
555	20230385866	2023-05-25	SYSTEMS AND METHODS FOR LOYALTY POINT DISTRIBUTION	Calvin Chan; Christopher Cracchiolo; Andras Ferenczi; Harish Naik; Andrew Baal Thomas;	
556	20230298100	2023-05-24	SYSTEMS AND METHODS FOR OPERATING A MATH-BASED CURRENCY EXCHANGE	Ashish Kurani;	Wells Fargo Bank, N.A.;
557	20230299945	2023-05-24	SYSTEM AND METHOD FOR MITIGATING INTERNATIONAL REVENUE SHARE FRAUD	Divesh Srivastava; Yaron Kanza; Tamraparni Dasu; Teddy Chu; Shuaicheng Ma; Li Xiong;	Emory University; AT&T Intellectual property I, L.P.;
558	20230299976	2023-05-24	SECURE LEDGER ASSURANCE TOKENIZATION	Phillip Griffin; Jeffrey Stapleton;	Wells Fargo Bank, N.A.;
559	20230299984	2023-05-24	BLOCKCHAIN-BASED DATA PROCESSING METHOD, APPARATUS AND DEVICE, AND STORAGE MEDIUM	Gengliang ZHU;	
560	20240048386	2023-05-23	COMPUTER-READABLE RECORDING MEDIUM STORING INFORMATION CONCEALING PROGRAM, METHOD OF CONCEALING INFORMATION, AND INFORMATION MANAGEMENT APPARATUS	Takeshi MIYAMAE; Song HUA;	Fujitsu Limited;

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#	Pub. No	Filed	Title	Inventors	Assignees
561	20230419182	2023-05-22	METHODS AND SYSTEMS FOR IMRPOVING A PRODUCT CONVERSION RATE BASED ON FEDERATED LEARNING AND BLOCKCHAIN	Lulu WEN; Ming CHEN; Yongfei BAO; Tianyi MA; Yilin YAO;	HANGZHOU TONGHUASHUN DATA PROCESSING CO., LTD.;
562	20230376950	2023-05-22	FORCING THE INJECTION OF A PREVIOUS TRANSACTION'S BYTECODE INTO A BLOCKCHAIN TRANSACTION	Ying CHAN; Dean KRAMER;	
563	20230289802	2023-05-22	General Purpose Blockchain	David THAW; Hyung KANG;	
564	20230334534	2023-05-22	COMBINING ONLINE USER ACTIVITY WITH ADVERTISEMENTS FOR DISTRIBUTION ON A DECENTRALIZED NETWORK	Neal Landers;	
565	20230297975	2023-05-22	METHOD AND SYSTEM TO DELEGATE ISSUANCE CAPABILITY TO A THIRD-PARTY	Sébastien LE CALLONNEC; Rakesh YADAV; Sarala BURADAGUNTA;	
566	20230292123	2023-05-22	AUTHENTICATING RADIO ACCESS NETWORK COMPONENTS USING DISTRIBUTED LEDGER TECHNOLOGY	Om Suthar; Rajiv Asati; Santanu Dasgupta;	
567	20240143149	2023-05-22	MEDIA CONTENT CUSTOMIZATION WITH NON-FUNGIBLE TOKENS	Tyler Duperron;	
568	20230370283	2023-05-19	SECURING BLOCKCHAIN TRANSACTION BASED ON UNDETERMINED DATA	Ying CHAN;	
569	20230412359	2023-05-19	SYSTEMS AND METHODS FOR BLOCKCHAINS WITH SERIAL PROOF OF WORK	Andrew LEKER; Matthew BIRDER, II; Allison HUYNH; Mark WALLACE;	
570	20230299965	2023-05-19	BLOCKCHAIN-ENHANCED PROOF OF IDENTITY	Guy Harrison; Michael Harrison; Steven Cedro;	
571	20230291584	2023-05-19	SYSTEMS AND METHODS FOR STORING AND SHARING TRANSACTIONAL DATA USING DISTRIBUTED COMPUTER SYSTEMS	Johan TOLL; Fredrik SJÖBLOM;	
572	20230368192	2023-05-18	METHOD AND SYSTEM FOR DIRECTING AN EXCHANGE ASSOCIATED WITH AN ANONYMOUSLY HELD TOKEN ON A BLOCKCHAIN	Gavin Allen;	
573	20230368195	2023-05-18	SYSTEM AND METHOD FOR TRANSFERRING RESOURCES USING A BLOCKCHAIN	Silvia BARTOLUCCI; Pauline BERNAT; Daniel JOSEPH; Craig WRIGHT;	
574	20230419406	2023-05-18	SYSTEMS AND METHODS FOR PROVIDING A DECENTRALIZED VOLATILITY PLATFORM FOR CRYPTOCURRENCY OPTION TRADING	Lev Gelfer; Sergei Levin; Greg Gurevich; Sergey Shevchuk; Boris Shapiro;	
575	20230370253	2023-05-18	SYSTEM AND METHOD FOR SECURELY SHARING CRYPTOGRAPHIC MATERIAL	Alexandra COVACI; Simone MADEO; Patrick MOTYLINSKI; Stephane VINCENT;	
576	20230289786	2023-05-18	ELECTRONIC DEVICE FOR TRANSMITTING TRANSACTION BY USING EXTERNAL DEVICE AND OPERATION METHOD THEREOF	Youna Lee; Seongmin Je; Sungjin Park; Minkyung Shin;	SAMSUNG ELECTRONICS CO., LTD.;
577	20230291746	2023-05-18	UTILIZING BLOCKCHAINS TO IMPLEMENT NAMED DATA NETWORKING	Kevin McBride; Stephen Opferman; Steven Casey; William O'Brien, JR;	CenturyLink Intellectual Property LLC;
578	20230410106	2023-05-17	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS TO ENABLE COMPLEX FUNCTIONALITY ON A BLOCKCHAIN WHILE PRESERVING SECURITY-BASED RESTRICTIONS ON SCRIPT SIZE AND OPCODE LIMITS	Stephane VINCENT;	
579	20230289902	2023-05-17	BLOCKCHAIN MINE AT OIL OR GAS FACILITY	Stephen Barbour;	
580	20230291566	2023-05-17	BLOCKCHAIN IDENTITIES	Jason SHUBROOK;	TOLLEN SOFTWARE LIMITED;

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#	Pub. No	Filed	Title	Inventors	Assignees
581	20240095721	2023-05-16	AUTOMATED INTERACTION WITH BLOCKCHAIN APPLICATIONS	Christopher Gonsalves; Hayder Sharhan; Ivan Solomichev; Abdullah Ozbek; Sangat Das;	
582	20230283453	2023-05-15	METHOD AND SYSTEM FOR THE ATOMIC EXCHANGE OF BLOCKCHAIN ASSETS USING TRANSIENT KEY PAIRS	Steven DAVIS;	
583	20230410129	2023-05-15	ADJUSTING WEIGHTS OF WEIGHTED CONSENSUS ALGORITHMS FOR BLOCKCHAINS	Prasanth Varghese; Sindhu Pasumarthy;	
584	20230368882	2023-05-15	SYSTEM AND METHOD FOR GENERATING PERSONALIZED AND COMMUNITY-BASED RECOMMENDATIONS.	Dilip KRISHNASWAMY; Aayush BHATNAGAR; Nitish BHARDWAJ;	JIO PLATFORMS LIMITED;
585	20240078859	2023-05-15	SYSTEM AND METHOD FOR DETERMINING VOTER ELIGIBILTY AND FACILITATING SECURE ELECTRONIC VOTING	Kenneth FALOR; Adam BELVIN; Sebastian CASSANO; Mohammed AIJAAZ; James TEMPLET;	JPMorgan Chase Bank, N.A.;
586	20240127211	2023-05-15	Systems and Methods for Distributing, Purchasing, Owning, and Playing Video On Demand and Distributing Royalties	Alexander Newton;	MOVIEKEY USA LLC;
587	20230370276	2023-05-13	Method of implementing Blockchain network utilizing always connected Internet Gateways (Routers) as nodes for offering the decentralized secured storage and other services.	Navin Gutti; Arup Bhattacharya; John Wu;	
588	20240013195	2023-05-12	ASSET-BACKED MARKETPLACE	Steven Osborn; Brent Huigens;	Third Venture Partners, Inc.; PWCC Marketplace, LLC;
589	20230368157	2023-05-12	Digital Asset Agreement Generation and Verification System	William Schultz;	Affinitrix, LLC;
590	20230370272	2023-05-12	BLOCKCHAIN-BASED DIGITAL ASSET ACCESS METHOD, ELECTRONIC DEVICES, AND NON-TRANSITORY COMPUTER-READABLE MEDIA UTILIZING THE METHOD	GWAN-HWAN HWANG;	
591	20230281671	2023-05-12	DECENTRALIZED PRIVACY-PRESERVING REWARDS WITH CRYPTOGRAPHIC BLACK BOX ACCUMULATORS	Goncalo Pestana; Benjamin Livshits;	
592	20240015014	2023-05-11	DYNAMIC AND VERIFIABLE SEARCHABLE ENCRYPTION METHOD AND SYSTEM BASED ON UPDATABLE ENCRYPTION AND BLOCKCHAIN	Song Han; Yuxuan Fang; Siqi Ren; Xuanxuan Xu;	
593	20230403171	2023-05-11	COMPUTER METHOD FOR TRANSMISSION OF A DATA PAYLOAD VIA A BLOCKCHAIN TOKEN	Christopher WIKLOF; Chris TROUTNER;	
594	20230367615	2023-05-11	CUSTOMIZING A BROWSER APPLICATION WITH BLOCKCHAIN DATA	Kentaro Hara; So Park;	
595	20230367662	2023-05-11	CONNECTING AN APPLICATION WITH A DIGITAL ASSET HOLDER TO PROCESS A BLOCKCHAIN TRANSACTION	Kentaro Hara;	
596	20230368296	2023-05-11	MANAGING INTER-LEDGER BLOCKCHAIN TRANSACTIONS	Kentaro Hara;	
597	20230367766	2023-05-11	ENVIRONMENTAL IMPACT TRACKING IN PUBLIC TRUST LEDGER ACTIONS VIA A DATABASE SYSTEM	Prithvi PADMANABHAN; Gary BRANDELEER; Michael ALBERS;	Salesforce, Inc.;
598	20230273912	2023-05-10	DATA PROCESSING METHOD AND APPARATUS FOR BLOCKCHAIN NETWORK, COMPUTER DEVICE, AND COMPUTER-READABLE STORAGE MEDIUM	Pan LIU;	
599	20230401574	2023-05-10	SYSTEM AND METHOD FOR AUTHENTICATION AND ASSOCIATION OF MULTI-PLATFORM ACCOUNTS	David SMITH; Joseph Michael William LYSKE;	
600	20230275772	2023-05-08	CONSENSUS PROCESSING METHOD, APPARATUS, AND SYSTEM FOR BLOCKCHAIN NETWORK, DEVICE, AND MEDIUM	Zhuguang SHAO;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
601	20240104559	2023-05-08	METHOD AND APPARATUS FOR SECURING BLOCKCHAIN KEYS	Justin Fortuna; Michael Owens; Allen Conti;	The Everest Project LLC;
602	20240106651	2023-05-08	METHOD OF EXITING A NON-FUNGIBLE TOKEN BLOCKCHAIN	Justin Fortuna; Michael Owens; Allen Conti;	The Everest Project LLC;
603	20230367765	2023-05-08	IMMUTABLE AND DECENTRALIZED STORAGE OF COMPUTER MODELS	Ilana GOLBIN; Joseph VOYLES; Kris KERSEY; Thomas FOTH;	PricewaterhouseCoopers LLP;
604	20230360036	2023-05-08	BLOCKCHAIN-IMPLEMENTED METHOD AND SYSTEM FOR ACCESS CONTROL ON REMOTE INTERNET-ENABLED RESOURCES	Stephane Vincent; Craig Wright;	
605	20230274276	2023-05-08	MULTI-LAYER DIGITAL ASSET ARCHITECTURE FOR VIRTUAL AND MIXED REALITY ENVIRONMENTS	Christopher Andon; Hien Pham; David Nay;	NIKE, Inc.;
606	20240056304	2023-05-08	STORAGE MEDIUM, CONSIDERATION DISTRIBUTION METHOD, AND INFORMATION MANAGEMENT DEVICE	Takeshi MIYAMAE; Shenbin ZHANG;	Fujitsu Limited;
607	20230281688	2023-05-07	VIRTUAL REALITY/AUGMENTED REALITY AUTOMOBILE DEALERSHIP AND INTEGRATED BLOCKCHAIN NETWORK	Souhayl Errama;	
608	20240078577	2023-05-05	Blockchain Tracked Transaction Incented By Merchant Smart Contract Facilitated Donation	Terrance TIETZEN; Matthew Arnold Macpherson BATES; Michael KIMBALL;	
609	20230388310	2023-05-05	SYSTEM AND METHOD FOR BIOMETRICALLY BINDING VERIFIABLE CREDENTIALS TO IDENTITY	Arthur Girdwood-Naddell; Gabriel Borger;	
610	20230354977	2023-05-05	TRANSPORTABLE DISPLAY SYSTEMS AND METHODS	Yi Lin;	MetaSill, Inc.,;
611	20230274287	2023-05-05	PLATFORM AND METHOD FOR TOKENIZED ACCREDITATION	Alfred Blaikie, III; Nathaniel Bradley; Joshua Paugh; Sonia Choi; Brett Bradley;	Data Vault Holdings, Inc.;
612	20240177100	2023-05-05	METHODS AND APPARATUS FOR PERFORMING AGRICULTURAL TRANSACTIONS	Mark Coast;	
613	20230394469	2023-05-04	Systems and Methods for Instant NFTs and Protection Structure, Detection of Malicious Code within Blockchain Smart Contracts, Tokens with Transfer Limitations, Mirror Tokens and Parallel Addresses, Smart Contract Risk Scoring Method, and Cross-Device Digital Rights Management	Madhu Vijayan; Bjorn Jakobsson; Keir Finlow-Bates; Stephen Gerber; Perry Cook; Guy Stewart; Kenneth Rosen;	Artema Labs, Inc;
614	20230305889	2023-05-04	RESOURCE TRUST MODEL FOR SECURING COMPONENT STATE DATA FOR A RESOURCE USING BLOCKCHAINS	Michael CHAN; Derek CHAMORRO; Venkata Siva Vijayendra BHAMIDIPATI; Arpit JAIN;	
615	20230273979	2023-05-04	CRYPTOGRAPHICALLY MANAGING LICENSE COMPATIBILITY	Aaron Drake; Lee London;	
616	20230394505	2023-05-03	Digital Appraisal System Providing Computational Attestation Of Appraisal Integrity	Alison McLaney;	
617	20230359713	2023-05-03	PROVENANCE FOR REPURPOSING OF ARTIST-SPECIFIC ASSETS USING NON-FUNGIBLE TOKENS (NFTs)	Walter De BROUWER; Tamay AYKUT;	Snowcrash Inc.;
618	20230360157	2023-05-03	PROVENANCE FOR LICENSING OF ARTIST-SPECIFIC ASSETS USING NON-FUNGIBLE TOKENS (NFTs)	Walter De BROUWER; Tamay AYKUT;	Snowcrash Inc.;
619	20230298010	2023-05-03	PLATFORM OPERATOR DEVICE SUPPORTING ISSUANCE OF MULTI-ASSET-BACKED SECURITY TOKENS	Junsup Lee; Taeho Gwak; Kwanlae Kim; Jonghyeok Jeon; Changho Moon; Woonhyuk Baek; Jaeho Yoon;	ENTERPRISE BLOCKCHAIN CO., LTD.;
620	20230298011	2023-05-02	BLOCKCHAIN CONSENSUS PROTOCOL USING PREDICTIVE PROOF OF METRICS	Venkata Siva Vijayendra BHAMIDIPATI; Derek CHAMORRO; Michael CHAN; Arpit JAIN; Ashok MURTHY; Anirudh MURALIDHAR;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
621	20230275743	2023-05-02	COMMITTING DATA TO BLOCKCHAIN BASED ON APPROXIMATE HASH VERIFICATION	Praveen Jayachandran;	
622	20230350874	2023-05-02	Machine Learning Models for Discerning Relationships Between Data Stored in a Records System	Jonathan Arneault;	
623	20230274033	2023-05-01	BLOCKCHAIN AUDITING SYSTEM AND METHOD	Douglas Grover; Michael Angelo;	Micro Focus LLC;
624	20230275884	2023-05-01	BLOCKCHAIN SYSTEMS AND METHODS FOR USER AUTHENTICATION	Jonathan WEIMER; Ryan FOX;	Capital One Services, LLC;
625	20230267234	2023-05-01	BLOCKCHAIN AUDITING SYSTEM AND METHOD	Douglas Grover; Michael Angelo;	Micro Focus LLC;
626	20230269100	2023-05-01	SYSTEMS AND METHODS FOR NOTARY AGENT FOR PUBLIC KEY INFRASTRUCTURE NAMES	David Duccini; Phillip Griffin; Jeffrey Stapleton;	Wells Fargo Bank, N.A.;
627	20230419327	2023-04-28	SECURE AND SCALABLE BLOCKCHAIN SMART CONTRACT-BASED DIGITAL ASSET PLATFORM	Ben Wu; Francesco Piccoli; Chunsheng Fang; Christopher De Leon;	AnChain.ai, Inc.;
628	20230351395	2023-04-28	SYSTEM AND METHOD FOR ASSESSING A RISK SCORE FOR A NON-FUNGIBLE TOKEN TRANSACTED ON A BLOCKCHAIN	Jonathan Anastasia; Himanshu Atre;	
629	20230259926	2023-04-28	ADDRESS GENERATION METHOD, BLOCKCHAIN INFORMATION PROCESSING METHOD, AND RELATED DEVICE	Xin KANG; Yanjiang YANG; Haiguang WANG;	HUAWEI TECHNOLOGIES CO., LTD.;
630	20230269088	2023-04-28	ASYNCHRONOUSLY DETERMINING RELATIONAL DATA INTEGRITY USING CRYPTOGRAPHIC DATA STRUCTURES	Panagiotis ANTONOPOULOS; Jakub SZYMASZEK; Raghav KAUSHIK; Conor CUNNINGHAM;	
631	20240211940	2023-04-28	SYSTEMS AND METHODS FOR MULTI-ENTITY BLOCKCHAIN-BASED EVENT BREAK PREVENTION	Shishir SINGH;	
632	20240112155	2023-04-27	METHOD FOR PROVIDING STABLECOIN SERVICES OVER THE BLOCKCHAIN NETWORK AND BLOCKCHAIN SYSTEM USING THE SAME	Moheon SONG;	
633	20230274263	2023-04-27	POINT-OF-SALE (POS) SYSTEM FOR AUTOMATICALLY CONVERTING TRANSACTIONS INTO CRYPTOCURRENCY	Mohamad Hamade; Samatha Bevins;	Orbix LLC;
634	20230259293	2023-04-27	VEHICLE DATA STORAGE METHOD AND VEHICLE DATA STORAGE SYSTEM	XIN XU; HAYATO SAKAMOTO;	
635	20230267469	2023-04-26	SYSTEMS AND METHODS FOR BLOCKCHAIN BASED PAYMENT NETWORKS	Sastry Durvasula; Andras Ferenczi; Upendra Mardikar; Keshav Narsipur; Vishnuvajhala Subrahmanyam; Sathish Muthukrishnan;	
636	20230259982	2023-04-26	Using Blockchain to Secure, Organize, Track, and Distribute Advertisement Information	Neal Landers;	
637	20230261887	2023-04-26	ELECTRONIC DEVICE HAVING PARTIAL LEDGER IN BLOCKCHAIN NETWORK AND OPERATING METHOD THEREOF	Woongah YOON; Wooup KWON; Hun KIM;	SAMSUNG ELECTRONICS CO., LTD.;
638	20230269240	2023-04-26	Secure Authorization and Transmission of Data Between Trustless Actors	Abhilash Jayakumar; Harrison Dahme; Nishil Shah; Morgan Roman; Zachary Blacher;	
639	20230259659	2023-04-25	DATA SEARCH SYSTEM, NON-TRANSITORY STORAGE MEDIUM FOR STORING DATA STRUCTURE AND DATA SEARCH METHOD	HARUHIKO NAMIKI;	
640	20230260047	2023-04-25	EVIDENCE ORACLES	William Leise; Douglas Graff; Anthony McCoy; Jaime Skaggs; Shawn Call; Stacie McCullough; Wendy Clayton; Melinda Magerkurth; Kim Flesher; Travis Runge;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
641	20230342790	2023-04-24	Blockchain Powered Art Authentication	Les Ware;	
642	20230267153	2023-04-24	INTEGRATED INDEX BLOCKS AND SEARCHING IN BLOCKCHAIN SYSTEMS	Eric Bier; Shantanu Rane;	
643	20230261886	2023-04-24	ELECTRONIC DEVICE AND METHOD FOR SHARING DATA USING BLOCKCHAIN NETWORK	Seungmin HA; Kyeongmin KANG; Sinae LEE; Moonkyu KIM; Yongjoon KIM; Younghwan RYU; Seongryeol MA;	SAMSUNG ELECTRONICS CO., LTD.;
644	20240127233	2023-04-24	BLOCKCHAIN LOCKING MECHANISM USING PAPER SHARE CERTIFICATE	George Doney;	Securrency, Inc.;
645	20230394567	2023-04-24	Wager Ticket Converter to NFT Memorabilia	Stephen Groce;	
646	20230351432	2023-04-23	Systems And Methods Of Facilitating Merchant Coupon Distribution On A Blockchain Network	Hongwei Zhu; Ning Li;	
647	20230385788	2023-04-21	SYSTEM AND METHOD FOR PROVIDING ADDITIONAL FUNCTIONALITY FOR NON-FUNGIBLE TOKENS	Matthew D'Alessandro; Nicholas Canova; Edward Tiryakian;	
648	20230351518	2023-04-20	SYSTEMS AND METHODS FOR GENERATING GRAPHICAL USER INTERFACES RELATING TO DETERMINED PARAMETRIC EVENTS	Steve Amancha;	
649	20230259902	2023-04-20	CREATING AND MANAGING PRIVATE ELECTRONIC CURRENCY	Joon Maeng;	
650	20240127234	2023-04-20	METHOD AND SYSTEM FOR ZERO-KNOWLEDGE AND IDENTITY BASED KEY MANAGEMENT FOR DECENTRALIZED APPLICATIONS	Vijay Madisetti; Arshdeep Bahga;	Other;
651	20230342788	2023-04-19	METHOD AND SYSTEM FOR PROVIDING A SERVICE NODE WITHIN A BLOCKCHAIN	Sarala BURADAGUNTA; Rakesh YADAV;	
652	20230298109	2023-04-19	USER INTERFACE LOG VALIDATION VIA BLOCKCHAIN SYSTEM AND METHODS	Andreas Adamec;	NANTHEALTH, INC.;
653	20230334171	2023-04-19	METHOD AND SYSTEM FOR CRYPTOGRAPHICALLY SECURING AND DEIDENTIFYING HEALTHCARE SERVICE RECORDS AND ASSOCIATED DATA WHILE MAINTAINING PROOF OF UNIQUENESS AND AUTHENTICITY	Essam Abadir; Victor Owuor; Scott Schell;	
654	20230262126	2023-04-19	BLOCKCHAIN-BASED DATA PROCESSING METHOD AND APPARATUS, DEVICE, AND READABLE STORAGE MEDIUM	Pan LIU;	
655	20240179008	2023-04-19	METHOD FOR IDENTITY VERIFICATION AND SYSTEM THEREOF	YAO-CHIEH HU; XIN-HONG CHEN;	Turing Chain Ltd.;
656	20230261880	2023-04-18	SYSTEM AND METHOD USING DISTRIBUTED BLOCKCHAIN DATABASE	Christofer Hardy; David Abraham;	
657	20230342495	2023-04-18	SELECTIVELY PERMISSIONED DATA ACCESS STORAGE AND METHOD	Mark Turner; Jeremy Katz; Joshua Katz;	
658	20230342734	2023-04-18	SYSTEMS, METHODS, AND APPARATUSES FOR IMPLEMENTING SMART FLOW CONTRACTS USING DISTRIBUTED LEDGER TECHNOLOGIES IN A CLOUD BASED COMPUTING ENVIRONMENT	Prithvi Padmanabhan;	Salesforce, Inc.;
659	20230334443	2023-04-18	AUGMENTED NON-FUNGIBLE TOKEN (NFT) PLATFORM, SYSTEM, AND METHOD OF USE THEREOF	Terrance Sullivan;	
660	20230306816	2023-04-18	TICKETING SYSTEMS ON A DISTRIBUTED LEDGER	Nimish Purohit; Eric Taylor; Scott Dickerson;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
661	20230261888	2023-04-17	ELECTRONIC DEVICE HAVING PARTIAL LEDGER IN BLOCKCHAIN NETWORK AND OPERATION METHOD THEREOF	Sungwook WON; Woongah YOON; Seungmin HA; Jinsu JO;	
662	20230385810	2023-04-17	CFILTER CACHEING FOR CRYPTO CURRENCY WALLET	Michal Pospieszalski;	MatterFi;
663	20230259930	2023-04-17	CROSS-CHAIN TRANSACTION PROCESSING METHOD AND APPARATUS, ELECTRONIC DEVICE, AND STORAGE MEDIUM	Changhui LIU;	
664	20230368186	2023-04-15	Process for Creation storage retrieval of immutable NFT Non-fungible token based electronic book publishing on a decentralized proof ofstake blockchain	David Exline;	
665	20230325826	2023-04-15	Process for Creation authentication/storage/retrieval of immutable NFT documents on a decentralized proof-of-stake blockchain	David Exline;	
666	20230351340	2023-04-14	SYSTEMS AND METHODS FOR GENERATING A SMART CONTRACT FOR A PARAMETRIC EVENT BASED UPON VEHICLE DATA	EllaKate LeFebre; Darnell Frazier; Zaki Goumandakoye; Kerry Cote; Kimberly Kloeppel; Steve Amancha; Erik Skyten; Moinur Rahman; Jerome Trayer; Kimberly Doak-Wigginton; Heath Crossland;	
667	20230351379	2023-04-14	SYSTEMS AND METHODS FOR GENERATING A SMART CONTRACT FOR A PARAMETRIC EVENT	EllaKate LeFebre; Darnell Frazier; Zaki Goumandakoye; Kerry Cote; Kimberly Kloeppel; Steve Amancha; Erik Skyten; Moinur Rahman; Jerome Trayer; Kimberly Doak-Wigginton; Heath Crossland;	
668	20230351380	2023-04-14	SYSTEMS AND METHODS FOR GENERATING A SMART CONTRACT FOR A PARAMETRIC EVENT USING MACHINE LEARNING ALGORITHMS	EllaKate LeFebre; Darnell Frazier; Zaki Goumandakoye; Kerry Cote; Kimberly Kloeppel; Steve Amancha; Erik Skyten; Moinur Rahman; Jerome Trayer; Kimberly Doak-Wigginton; Heath Crossland;	
669	20230342861	2023-04-14	SYSTEMS AND METHODS FOR GENERATING GRAPHICAL USER INTERFACES RELATING TO DETERMINED PARAMETRIC EVENTS	EllaKate LeFebre; Steve Kelley; Darnell Frazier; Zaki Goumandakoye; Kerry Cote; Kimberly Kloeppel; Steve Amancha;	
670	20230252025	2023-04-14	Data Processing System, Blockchain-Based Data Processing Method, and Device	Yulong Luo; Lin Li;	
671	20230252457	2023-04-14	METHOD FOR TRANSACTION CONTROL, COMPUTER-READABLE RECORDING MEDIUM HAVING STORED THEREIN TRANSACTION CONTROL PROGRAM, AND INFORMATION PROCESSING APPARATUS	Mebae YAMAOKA; Masanobu MORINAGA;	FUJITSU LIMITED;
672	20230252592	2023-04-14	Artificial Intelligence Control of Mining Operations	Charles Cella; Andrew Cardno;	
673	20230334382	2023-04-13	NFT AND BLOCKCHAIN TICKETING PROCESSES AND PRODUCTS THEREBY	Kaveh Newmen; Mizuki Asakura; Max Gluck;	N.S.E., LLC;
674	20230252191	2023-04-13	ELECTRONIC DEVICE FOR RECOVERING BLOCK DATA IN BLOCKCHAIN NETWORK AND OPERATION METHOD THEREOF	Byeongyun OH; Yongjoon KIM; Namkun KIM; Dohyun JO; Jinsu JO; Seungmin HA;	
675	20230252461	2023-04-13	ELECTRONIC DEVICE FOR PROVIDING TRANSACTION IN BLOCKCHAIN NETWORK AND OPERATING METHOD THEREOF	Byeongyun OH; Gyuhyun SHIN; Woongah YOON; Jinsu JO; Seungmin HA;	
676	20230254118	2023-04-13	ELECTRONIC DEVICE INCLUDING PARTIAL LEDGER AND METHOD IN BLOCKCHAIN NETWORK	Byeongyun OH; Hun KIM; Gyuhyun SHIN; Dohyun JO; Jihwan KIM; Woongah YOON; Jinsu JO; Seungmin HA;	
677	20230318805	2023-04-13	SYSTEM FOR SECURING VERIFICATION KEY FROM ALTERATION AND VERIFYING VALIDITY OF A PROOF OF CORRECTNESS	Alexandra COVACI; Simone MADEO; Patrick MOTYLINSKI; Stephane VINCENT;	
678	20230325814	2023-04-12	Systems and Methods for Instant NFTs and Protection Structure, Detection of Malicious Code within Blockchain Smart Contracts, Tokens with Transfer Limitations, Mirror Tokens and Parallel Addresses, Smart Contract Risk Scoring Method, and Cross-Device Digital Rights Management	Madhu Vijayan; Bjorn Jakobsson; Keir Finlow-Bates; Stephen Gerber; Perry Cook; Guy Stewart; Kenneth Rosen;	Artema Labs, Inc;
679	20230252430	2023-04-12	METHODS AND SYSTEMS FOR THE EFFICIENT TRANSFER OF ENTITIES ON A BLOCKCHAIN	Craig Wright; Stephane Savanah;	
680	20230244653	2023-04-12	SEMANTIC COMPLIANCE VALIDATION FOR BLOCKCHAIN	David Newman;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
681	20230252534	2023-04-10	BLOCKCHAIN ENABLED NUTRITION STATION	James Regenor;	
682	20240111785	2023-04-10	METHOD AND APPARATUS OF ADDING ADDITIONAL CHAIN TO BLOCKCHAIN, AND METHOD AND APPARATUS OF GENERATING SHARD FOR THE SAME	Jin-Tae OH; Young-Chang KIM; Chang-Hyun LEE; Jong-Choul YIM;	
683	20230342742	2023-04-07	TRANSACTION PLATFORM AND METHOD FOR IMAGE AND SHORT VIDEO COPYRIGHT BASED ON BLOCKCHAIN	Zhongjie WU; Xiaoyin CHEN; Yuanchao LI; Shiquan CHEN;	
684	20230328098	2023-04-07	SYSTEMS AND METHODS FOR IDENTIFYING PATTERNS IN BLOCKCHAIN ACTIVITIES	Jacob ILLUM; Michael GRONAGER; Patrick CURRAN; Jens TUXEN; Shilpa DESHPANDE;	
685	20240112132	2023-04-07	BLOCKCHAIN-ENABLED SECURE INFORMATION PAYLOAD PACKET (SIPP) TECHNOLOGY FOR REAL-TIME MULTI-TIER DATA SHARING WITHIN MULTI-PARTY SYSTEMS	Rakesh Sreekumar; Sunil Cherian; Ashutosh Arvind Kapuskar Kapuskar; Ashutosh Pande;	
686	20230245081	2023-04-06	METHODS AND DEVICES FOR CONTROLLING A MINING POOL FOR MULTIPLE BLOCKCHAIN NETWORKS	Angus ADAMS; Steven COUGHLAN;	
687	20230274269	2023-04-06	APPARATUS AND METHODS TO DEFINE AND USE BEARER TOKENS AND CERTIFIED TOKENS AND APPLICATIONS USING BEARER TOKENS AND CERTIFIED TOKENS	John CONLEY; Stephanie So; Lun-Shin YUEN;	
688	20230259923	2023-04-06	APPARATUS AND METHODS TO INSTANTIATE AND TRANSACT NFTS USING ATOMIC INSTRUCTIONS WITHOUT SMART CONTRACTS	John CONLEY; Stephanie So; Lun-Shin YUEN;	
689	20240037618	2023-04-06	SYSTEM AND PLATFORM FOR CREATING AND MANAGING FRACTIONALIZED NON-FUNGIBLE TOKENS	DILLON KORPMAN;	
690	20230261852	2023-04-05	BLOCKCHAIN DATA COMPRESSION AND STORAGE	Suryatej Gundavelli; Charies Gabriel Neale Dalton; Michael Jim Tien Chan;	
691	20230281620	2023-04-05	SYSTEMS AND METHODS FOR CREATING AND DISTRIBUTING BLOCKCHAIN-BACKED REDISTRIBUTABLE ELECTRONIC CONTENT COMPONENTS	Sahil Sharma; Ben William Gordon Hurst; Ping An; Purna Aditya Kumar Bhimaraju; Varun Kumar;	
692	20230318836	2023-04-04	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR LINKING A BLOCKCHAIN TO A DIGITAL TWIN	Alexandra COVACI; Giuseppe DESTEFANIS; Simone MADEO; Patrick MOTYLINSKI; Stephane VINCENT;	
693	20230291544	2023-04-04	ADVANCED NON-FUNGIBLE TOKEN BLOCKCHAIN ARCHITECTURE	Bradley Turner; Michael Jim Tien Chan; Jonathan Padilla; Liam DiGregorio; Charles Gabriel Neale Dalton;	
694	20230245105	2023-04-04	METHOD AND SYSTEM FOR REGULATION OF BLOCKCHAIN TRANSACTIONS	Donghao HUANG; Hancong GUAN; Srinath RAVINATHAN; Mohammed AHMAD; Rajasekaran DHAMODHARAN; Steven DAVIS; Rakesh YADAV; Sébastien LE CALLONNEC; David FLEMING;	MASTERCARD ASIA/PACIFIC PTE. LTD.;
695	20230396456	2023-04-04	SECURE HARDWARE CRYPTOCURRENCY KEYSTORE AND KEY GENERATION CEREMONY	Scott Anderson; Andrew May;	
696	20230245121	2023-04-04	BLOCKCHAIN-BASED DATA VERIFICATION SYSTEM AND METHOD, COMPUTING DEVICE AND STORAGE MEDIUM	Fan ZHOU;	
697	20230239140	2023-04-03	DOMAIN NAME BLOCKCHAIN USER ADDRESSES	Andrew KAIZER; Swapneel SHETH;	VeriSign, Inc.;
698	20230325233	2023-04-03	METHOD AND SYSTEM FOR GENERATING AND MANAGING SMART CONTRACT	Doo Hwang;	Piamond Corp.;
699	20230318804	2023-04-03	ARITHMETIC ENHANCEMENT OF C-LIKE SMART CONTRACTS FOR VERIFIABLE COMPUTATION	Alexandra COVACI; Simone MADEO; Patrick MOTYLINSKI; Stephane VINCENT;	
700	20230252577	2023-04-03	USING HISTORICAL DATA FOR SUBROGATION ON A DISTRIBUTED LEDGER	William Leise; Douglas Graff; Anthony McCoy; Jaime Skaggs; Shawn Call; Stacie McCullough; Wendy Clayton; Melinda Magerkurth; Kim Flesher; Travis Runge;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
701	20230306474	2023-03-31	IDENTIFICATION OF TARGETS FOR A CAMPAIGN BY REFERENCING A BLOCKCHAIN AND/OR A DISTRIBUTED SYSTEM FILE SYSTEM	Adam VUKICH; Abdelkadar M'Hamed BENKREIRA; Joshua EDWARDS; William CARROLL; Mykhaylo BULGAKOV;	
702	20230335245	2023-03-30	System and Method for Securely Giving Electronic Prescriptions Directly to Patients	Caleb Saunders;	
703	20230316262	2023-03-30	Fungible and Non-Fungible Tokens with Authenticity: Systems and Methods for Secure Funding and Fundraising for Businesses	Duy Khuong;	
704	20230246842	2023-03-30	COMPACT RECORDATION PROTOCOL	Quan Wang;	Visa International Service Association;
705	20230344660	2023-03-29	System and Method for Etching Internal Surfaces of Transparent Gemstones with Information Pertaining to a Blockchain	Omar Hakim;	EllansaLabs Inc.;
706	20230306425	2023-03-29	DATA USAGE METHOD, SYSTEM, AND PROGRAM THEREOF EMPLOYING BLOCKCHAIN NETWORK (BCN)	Takayuki NAKAMURA;	
707	20230246830	2023-03-29	System and Method for Internal Etching of Transparent Materials with Information Pertaining to a Blockchain	Omar Hakim;	EllansaLabs Inc.;
708	20230246831	2023-03-29	System and Method for Internal Etching of Transparent Materials with Information Pertaining to a Blockchain	Omar Hakim;	EllansaLabs Inc.;
709	20230239147	2023-03-29	System and Method for Internal Etching Surfaces of Transparent Materials with Information Pertaining to a Blockchain	Omar Hakim;	EllansaLabs Inc.;
710	20230239146	2023-03-29	System and Method for Internal Etching of Transparent Materials with Information Pertaining to a Blockchain	Omar Hakim;	EllansaLabs Inc.;
711	20230237064	2023-03-29	DATA PROCESSING METHOD, APPARATUS, AND SYSTEM, COMPUTER DEVICE, READABLE STORAGE MEDIUM, AND COMPUTER PROGRAM PRODUCT	Zenghui BAO;	
712	20230306413	2023-03-28	TOKENIZATION OF REAL-WORLD OBJECTS AND MONETIZATION THEREOF	Angelo Cipriano;	
713	20240202679	2023-03-28	Bridging Blockchains	Walker MAYERCHAK; Chase MCDERMOTT; Michael GRANT; Marcus BOORSTIN; Erik TIERNEY; Gee-Hsien CHUANG;	
714	20240202708	2023-03-28	Cross-Blockchain Transaction Rebroadcasting	Walker Mayerchak; Chase McDermott; Michael Grant;	
715	20230327873	2023-03-27	METHODS AND SYSTEMS FOR GENERATING, SUBSCRIBING TO AND PROCESSING ACTION PLANS USING A BLOCKCHAIN	Zubin TEJA;	
716	20230239156	2023-03-27	ANOMALY ANALYSIS USING A BLOCKCHAIN, AND APPLICATIONS THEREOF	Salim MEMON; Saira ZAMAN;	Capital One Services, LLC;
717	20240022643	2023-03-27	SYSTEM AND METHOD OF SECURED INTERFACE TO A BLOCKCHAIN BASED NETWORK	Tal BE'ERY; Menahem CHERBAKOVSKY;	ZENGO LTD.;
718	20230305870	2023-03-27	DYNAMIC NODE RESOURCE MANAGEMENT	Sean Carey; Christopher Bruce;	
719	20240104454	2023-03-27	SYSTEM AND METHOD FOR A DECENTRALIZED FREELANCING PLATFORM	Thomas Khang;	
720	20240004417	2023-03-25	Photonic Blockchain Based on Optical Proof-of-Work	Sunil Pai; David AB. Miller; Olav Solgaard; Shanhui Fan; Michael Dubrovsky; Bogdan Penkovsky; Maynard Ball, JR;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
721	20230319535	2023-03-24	BLOCKCHAIN CALL ORIGINATION FOR EMERGENCY SERVICES	Kate Carney Landow;	
722	20230281261	2023-03-24	DIGITAL LABEL MANAGEMENT	Gary Shorter; Jaffershah Jahangeer;	
723	20230245131	2023-03-24	Method, System, and Computer Program Product for Determining Solvency of a Digital Asset Exchange	Payman Mohassel; Shashank Agrawal; Chaya Ganesh;	
724	20240160400	2023-03-24	Sound System Using Over-the-Air and Operation Method Thereof	Ki Kim; Dong Park; Eun Jo; Sang Hong;	
725	20230308289	2023-03-23	HARDWARE SUPPORTED AUTHENTICATION AND SIGNATURES FOR WIRELESS, DISTRIBUTED AND BLOCKCHAIN SYSTEMS	Attila Yavuz; Saif Nouma;	
726	20230360045	2023-03-22	SYSTEM AND METHOD OF BLOCKCHAIN TRANSACTIONS	IVAN ASSENOV; ADAM KLING; DAVID CASE; ABEL DANTAS;	
727	20230360466	2023-03-22	APPARATUS AND METHODS FOR COLLECTING AND/OR FOR RECAPTURING GASES, MATERIALS, AND/OR SUBSTANCES, AND FOR GENERATING ELECTRICITY AND/OR ELECTRICAL POWER FROM THE SAME	RAYMOND JOAO; STEVEN MCCONAUGHEY; GREGORY JOAO; ROGER LONDON;	
728	20230306460	2023-03-22	METHOD OF PROCESSING NON-FUNGIBLE TOKEN	Jihoon LIM;	Dunamu Inc.;
729	20230230069	2023-03-21	DIAMOND CUSTODY SYSTEM WITH BLOCKCHAIN NON-FUNGIBLE TOKENS (NFTS)	Jacques VOORHEES; Alex VOORHEES;	Icecap Diamonds, Inc.;
730	20230318834	2023-03-20	COMPUTER NETWORK SYSTEMS FOR CRYPTOGRAPHICALLY-SECURED, TOKEN-BASED OPERATIONS AND METHODS OF USE THEREOF	Horacio Barakat; Harsha Kolagani; Kishore Seshagiri; Ashfaq Shaik; John Garahan; Vijay Mayadas; Michael McMahon;	
731	20230307148	2023-03-17	USE OF AUDIO AND/OR VIDEO IN PATIENT CARE	Craig Meyerson; David Ribble; Daniel Shirley; Carlos Suarez; Gene Wolfe;	
732	20230231701	2023-03-17	ELECTRONIC DEVICE FOR MANAGING RIGHT BY USING DECENTRALIZED NETWORK, AND OPERATION METHOD THEREOF	Wooseok JANG; Seungmin HA; Seongmin JE;	
733	20230298014	2023-03-16	SYSTEM FOR FACILITATING SECURE ELECTRONIC COMMUNICATIONS BETWEEN ENTITIES AND PROCESSING RESOURCE TRANSFERS	Paul Zappier; Nicholas Zappier;	HashLynx Inc.;
734	20230289336	2023-03-16	SYSTEMS, DEVICES, AND METHODS FOR TRACKING CREATION AND MODIFICATION OF DIGITAL RECORDS	Hajo Krabbenhöft; Joe Naylor;	
735	20230230187	2023-03-16	METHODS FOR VALIDATING THE VERACITY OF A COMPLETED TASK	Jeremy Gallego Eckstein; Cariel Cohen;	
736	20230297557	2023-03-15	METHOD FOR MONITORING A STATE OF AN EXTERNAL DATA SOURCE, DEVICE, AND MEDIUM	Xiaohe LIU;	
737	20240211938	2023-03-15	SYSTEMS AND METHODS FOR BLOCKCHAIN-BASED TRANSACTION BREAK PREVENTION	Shishir SINGH;	
738	20230298013	2023-03-14	METHOD AND SYSTEM FOR SELECTING A DECENTRALIZED BLOCKCHAIN VALIDATOR OF PROOF OF USE CONSENSUS ALGORITHM	SE KIM;	
739	20230298021	2023-03-14	METHOD FOR ACQUIRING A RANDOM NUMBER FOR BLOCKCHAIN, DEVICE AND STORAGE MEDIUM	Xiaohe LIU;	
740	20230298435	2023-03-14	BLOCKCHAIN AND MULTI-LEVEL NON-FUNGIBLE TOKEN SOLUTIONS INTEGRATED IN A GAMING SYSTEM	Mili DALMIA; Ramesh MATHIYALAGAN;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
741	20230283473	2023-03-14	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS RELATING TO A BINARY BLOCKCHAIN COMPRISING A PAIR OF COUPLED BLOCKCHAINS	John FLETCHER; Martin SEWELL;	
742	20230281192	2023-03-13	METHOD OF GENERATING GLOBALLY VERIFIABLE UNIQUE IDENTIFIERS USING A SCALABLE INTERLINKED BLOCKCHAIN STRUCTURE	S QUICK; Armand KOLSTER;	Providentia Worldwide, LLC;
743	20230246805	2023-03-13	SYSTEMS FOR MULTI-BLOCKCHAIN, MULTI-TOKEN INTEROPERABILITY VIA COMMON BLOCKCHAIN INTEGRATION	Kevin Lupowitz; Eric Couillard; Sanjaya Kulkarni; Brian Bruce; Sanjay Deshpande; Omari Edwards; Joe Grastara; Al Gleicher;	
744	20230289337	2023-03-13	TRUSTLESS OMNICHAIN COMMUNICATION PROTOCOL PLATFORMS	Ryan Zarick; Bryan Pellegrino; Caleb Banister;	
745	20230289791	2023-03-13	TRUSTLESS OMNICHAIN COMMUNICATION PROTOCOL PLATFORMS IMPLEMENTING RESOURCE BALANCING	Ryan Zarick; Bryan Pellegrino; Caleb Banister;	
746	20230289771	2023-03-10	ATHLETE NAME, IMAGE, AND LIKENESS MARKETING AND DIRECT PAYMENT SYSTEM	Brent Chapman;	
747	20230281607	2023-03-10	METHOD AND SYSTEM FOR MOBILE CRYPTOCURRENCY WALLET CONNECTIVITY	Peter KIM;	Coinbase, Inc.;
748	20230289785	2023-03-09	AUTOMATED BLOCKCHAIN ADDRESS CREATION AND TRANSFERS BY UNIFORM RESOURCE LOCATOR GENERATION AND EXECUTION	Jesse Seaver; Sacha Tueni; Noah Thorp; Michael Reeder;	
749	20230216852	2023-03-09	USER AUTHENTICATION USING CONNECTION INFORMATION PROVIDED BY A BLOCKCHAIN NETWORK	Apostolis Salkintzis;	
750	20230376938	2023-03-09	System and Method for NFT-based Trading Card Assets	James Frix; Matthew Hoots; Richard Rivera; Justin Williams;	
751	20230289779	2023-03-08	SYSTEM AND METHOD FOR AUTOMATICALLY VALIDATING USERS TO ACCESS BLOCKCHAIN BASED APPLICATIONS	George WEIKSNER; Mark ROSZAK;	Pocketful of Quarters, Inc.;
752	20230289899	2023-03-07	APPARATUS AND METHOD OF DISPLAYING CONTENT BASED ON BLOCKCHAIN	Jihoon LIM; Sejeong SONG; Eunyoung KIM; Gayoung PARK; Taeyoung NAM; Sojeong LIM;	Dunamu Inc.;
753	20230289410	2023-03-07	NON-FUNGIBLE TOKEN OWNERSHIP REGISTRATION AND VERIFICATION SYSTEM	Steven Shulman;	
754	20230281583	2023-03-07	Systems and Methods for the Facilitation of Blockchains	Bjorn Jakobsson; Keir Finlow-Bates; Stephen Gerber; Guy Stewart; Kenneth Rosen;	Artema Labs, Inc;
755	20230205682	2023-03-07	IMMUTABLE PROTECTION OF SOFTWARE AND/OR COMPUTING HARDWARE TESTING DATA	VISHAL MOONDHRA; PETER THEUNIS;	
756	20240078225	2023-03-07	TRANSACTION MANAGEMENT METHOD AND TRANSACTION MANAGEMENT APPARATUS	Nao NISHIJIMA;	Hitachi, Ltd.;
757	20230291562	2023-03-06	APPARATUS AND METHOD OF MANAGING NON-FUNGIBLE TOKENS BASED ON BLOCKCHAIN	Jihoon LIM;	Dunamu Inc.;
758	20230208627	2023-03-06	SECURE MULTIPARTY LOSS RESISTANT STORAGE AND TRANSFER OF CRYPTOGRAPHIC KEYS FOR BLOCKCHAIN BASED SYSTEMS IN CONJUNCTION WITH A WALLET MANAGEMENT SYSTEM	Craig WRIGHT; Stephane SAVANAH;	
759	20230208647	2023-03-06	BLOCKCHAIN-POWERED LEDGER FOR A DATA SUPPLY CHAIN	Yaron Kanza; Divesh Srivastava; Tamrapami Dasu; Eleftherios Koutsofios;	AT&T Intellectual Property I, L.P.;
760	20230205764	2023-03-05	Blockchain smart contract method, electronic device, blockchain system, and computer-readable storage medium	Hao XU;	

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#	Pub. No	Filed	Title	Inventors	Assignees
761	20230205929	2023-03-03	Securing Access to Confidential Data Using a Blockchain Ledger	Joel NATION; James Peter George RYLES;	
762	20230277938	2023-03-03	METHOD AND DEVICE FOR PROVIDING GAME SERVICE	Ki KIM;	
763	20230281526	2023-03-02	Methods and Systems for Real Time Mission Coordination of Law Enforcement Operations	Jarred Pereira; Michael Cowgill;	Pryme Infil;
764	20230281606	2023-03-01	Partitioned Address Spaces in Blockchain Wallets	Bjorn Jakobsson; Keir Finlow-Bates; Stephen Gerber;	Artema Labs, Inc;
765	20230237475	2023-03-01	SECURE OFF-CHAIN BLOCKCHAIN TRANSACTIONS	Thomas TREVETHAN;	
766	20230350920	2023-03-01	HIERARCHICAL UNIVERSAL RESOLVER SYSTEM FOR DECENTRALIZED IDENTITY ENVIRONMENT AND METHOD THEREOF	Kyoung PARK;	
767	20230274262	2023-02-28	SYSTEM AND METHOD FOR BETTER UTILIZATION OF POWER CONSUMPTION IN BLOCKCHAIN SYSTEM BY VALIDATING DIGITAL CURRENCY TRANSACTIONS WITH MINIMAL COMPUTING RESOURCES	Sujit Gujar; Yash Chaurasia; Visvesh Subramanian;	
768	20230281604	2023-02-28	TECHNOLOGIES FOR CREATING AND TRANSFERRING NON-FUNGIBLE TOKEN BASED IDENTITIES	James ROBELL; James HART; Qui HOANG; Viet HOANG;	
769	20230188647	2023-02-28	SYSTEM AND METHOD FOR CALLBACK MANAGEMENT UTILIZING SMART CALLBACKS	Matthew DiMaria; Kurt Nelson; Nicholas Kennedy; Robert Harpley;	
770	20230206230	2023-02-27	SYSTEMS AND METHODS OF USING THE BLOCKCHAIN TO ALLOW MUSIC ARTISTS TO RAISE AND DISTRIBUTE CAPITAL	Jason MEINZER;	
771	20230274326	2023-02-27	SYSTEMS FOR PROVIDING DECENTRALIZED PRODUCT AND REWARDS DELIVERY PLATFORM	Benjamin Yeung;	
772	20230274373	2023-02-27	DECENTRALIZED WILL MANAGEMENT APPARATUS, SYSTEMS AND RELATED METHODS OF USE	Manish DIXIT; Sodaba RAMEH; Sri KONDAPALLI;	
773	20230289797	2023-02-26	Child Support & Centralized Distribution Network	Eugenia Miller;	
774	20230214833	2023-02-25	Child Support & Centralized Distribution Network	Eugenia Miller;	
775	20230208630	2023-02-24	CREDENTIAL GENERATION AND DISTRIBUTION METHOD AND SYSTEM FOR A BLOCKCHAIN NETWORK	Giuseppe DESTEFANIS; Simone MADEO; Patrick MOTYLINSKI; Stephane Vincent;	
776	20230394489	2023-02-24	APPLICATION METHOD, SYSTEM, MEDIUM AND DEVICE OF DIGTIAL ASSETS BASED ON DIGTIAL PRODUCTS	Ming Zhou; Zhen Hua; Yongsheng Wang;	
777	20230274321	2023-02-24	DETERMINING IMPACT OF A DONOR WITH RESPECT TO A TARGET ORGANIZATION	Aaron Gray;	
778	20230206229	2023-02-23	GENERATING A NEW KEY PAIR FOR UTILIZATION WITHIN A CONTRACT BLOCKCHAIN	Conrad Barski;	RAISE MARKETPLACE, LLC;
779	20230267452	2023-02-23	SYSTEMS AND METHODS FOR AUTOMATIC DIGITAL ASSET TRANSFER	Maika Isogawa; Brian Tek Fung Wong;	
780	20230199066	2023-02-23	DISTRIBUTED NETWORK NODES DEFINING A DATABASE ACCESS GATEWAY	Joseph CASCIOLI; Judson POWERS;	Architecture Technology Corporation;

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781	20230205762	2023-02-22	BLOCKCHAIN LINKING METHOD, STORAGE MEDIUM, AND BLOCKCHAIN LINKING DEVICE	Yoshiki HIGASHIKADO; Masanobu MORINAGA;	FUJITSU LIMITED;
782	20230246844	2023-02-22	DECENTRALIZED DATABASE OPTIMIZATIONS	James Beecham; Justin Fly; Christopher Struttmann; Scott Goldfarb; Jackson Chaiken; Thomas Daly; Judson Locke; Mark Snellman;	
783	20230283861	2023-02-21	NFT-Centric Video Player	Seth Taylor; Ajay Madhok; Nick Graves;	
784	20230274270	2023-02-21	INFORMATION PROCESSING SYSTEM, METHOD, AND MEDIUM	Marty BELL; Sean CASEY; Fergal DOWNEY; Hajime NISHINOMIYA; Masafumi MUTA;	Rakuten Group, Inc.;
785	20230269260	2023-02-21	BLOCKCHAIN-BASED BIG DATA ANALYSIS AND DECISION-MAKING SYSTEM AND METHOD	Zhilin TANG; Wei CUI; Hao SONG; Bin LIU;	FANUO INFORMATION INDUSTRY CO., LTD;
786	20230281724	2023-02-19	SYSTEMS AND METHODS FOR AUTHENTICATED VOUCHER DISTRIBUTION USING BLOCKCHAIN	Doris SCHWARTZ;	WILLPORTTRUST LLC;
787	20240144243	2023-02-17	SYSTEM FOR GENERATING A BLOCKCHAIN TOKEN ASSOCIATED WITH A REDEMPTION CODE	Kyle Zappitell; Blake Levine;	
788	20240029150	2023-02-16	METHODS AND SYSTEMS FOR AUTHENTICATED DISTRIBUTION UPON OCCURRENCE OF A TRIGGERING EVENT USING BLOCKCHAIN	Doris SCHWARTZ;	WILLPORTTRUST LLC;
789	20230258753	2023-02-15	METHOD, SYSTEM AND COMPUTER PROGRAM FOR STORING MR IMPLANT INFORMATION DATA AND FOR STORING MR DEVICE DATA AND MACHINE-READABLE STORAGE MEDIUM	Swen CAMPAGNA;	Siemens Healthcare GmbH;
790	20230254168	2023-02-15	SYSTEM AND METHOD FOR CONTROLLING ASSET-RELATED ACTIONS VIA A BLOCK CHAIN	Craig Wright; Gavin Allen;	
791	20230403135	2023-02-14	BLOCKCHAIN-BASED DECENTRALIZED PUBLIC KEY MANAGEMENT SYSTEM	KAN YANG; LAN WANG;	
792	20230267134	2023-02-14	System and Method for Location Domain Name Service	Xander van der Heijden; Emre Turan; Bulent Ozel;	
793	20230269072	2023-02-14	BLOCKCHAIN-BASED DECENTRALIZED PUBLIC KEY MANAGEMENT SYSTEM	KAN YANG; LAN WANG;	
794	20230298003	2023-02-12	ELECTRONIC WALLET FOR GOVERNING FINANCIAL CONTRACTS BETWEEN MULTIPLE PARTIES	Marwan Almehmadi; Ahmad Almehmadi;	
795	20230198980	2023-02-10	PRESELECTED ISSUANCE AND DATA OPERATIONS LOOPS IN A BLOCKCHAIN NETWORK	Daniel Cage; Padmakar Kankipati; Norman Silverman;	
796	20240062190	2023-02-10	GENERATING AND MAINTAINING DIGITAL TOKENS ON A BLOCKCHAIN USING PHYSICAL DEVICE IDENTIFIERS	Andrew RYMER; Adam ROORDA; Ronald STEELMAN;	
797	20230260037	2023-02-10	WEB, MOBILE AND BROWSER EXTENSION	Nicholas Mussallem; Kevin Sekniqi;	
798	20230252435	2023-02-09	APPARATUS, METHOD, AND COMPUTER PROGRAM PRODUCT FOR MEDIA CONTENT CONSUMPTION TRACKING USING DISTRIBUTED LEDGER	Krishna Arvapally; Maduri Arvapally; Daniel Goikhman;	
799	20230254167	2023-02-09	COMPUTING SYSTEMS FOR KEYING AND REKEYING CRYPTOGRAPHIC CREDENTIALS FOR ACCESSING A DATA CHAIN USING STRONG AUTHENTICATION	Peter DUONG; Behrooz SABET;	
800	20230269087	2023-02-08	METHOD FOR SIMULTANEOUS EXECUTION OF TRANSACTIONS ON A BLOCKCHAIN VIA A COIN SET MODEL	Bram Cohen; Richard Kiss; Matt Howard;	

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#	Pub. No	Filed	Title	Inventors	Assignees
801	20230289778	2023-02-08	SYSTEM AND METHOD TO FACILITATE NON-FUNGIBLE TOKENS (NFT)	Kyle Sponable;	
802	20230267460	2023-02-07	MULTI-USER, SHARED BLOCKCHAIN SYSTEM	John Scannell; William Landers;	
803	20240020691	2023-02-05	SYSTEMS AND METHODS FOR AUTHENTICATED TRUST DISTRIBUTION USING BLOCKCHAIN	Doris SCHWARTZ;	WILLPORTTRUST LLC;
804	20230269070	2023-02-03	SYSTEM FOR SIMPLIFYING EXECUTABLE INSTRUCTIONS FOR OPTIMISED VERIFIABLE COMPUTATION	Alexandra COVACI; Simone MADEO; Patrick MOTYLINSKI; Stephane VINCENT;	
805	20230245764	2023-02-03	HEALTHCARE DATA EXCHANGE	Michael Nova; Jenny Diggles; Linden Michael A Leadbetter; Stephen Carter;	
806	20230316217	2023-02-02	CARGO TRANSPORTATION SYSTEMS AND METHODS	BRANDON JOHNSON; JARED WALLACE; TIM LEONARD; JOE HARVEY; CHRIS TRANEL;	VESSEY LLC;
807	20230245102	2023-02-02	Non Fungible Token (NFT) Based Licensing and Digital Rights Management (DRM) for Software and Other Digital Assets	Kyle Mistele;	
808	20230185565	2023-02-01	Blockchain Computer Data Distribution	Adam Cecchetti; Michael Eddington;	
809	20230246854	2023-02-01	SYSTEM AND METHOD FOR ON-DEMAND PRODUCT CERTIFICATION VIA NON-FUNGIBLE TOKEN	Stephen Thorpe;	
810	20240187234	2023-02-01	DECENTRALIZED IDENTITY ACCESS MANAGEMENT USING BYZANTINE FAULT TOLERANT STATE MACHINE REPLICATION	RAM KRISHNAN; KOSTAS TEOFANIDIS; VIJAYA MASILAMANI; MICHAEL ACHENBACH;	
811	20230241514	2023-01-31	CROSS-CHANNEL BLOCKCHAIN AND NON-FUNGIBLE TOKEN SOLUTIONS INTEGRATED IN A GAMING SYSTEM	Mili Dalmia; Sunil Somanna T S; Ramesh Mathiyalagan; Muthu Velu; Mark Hinchcliffe; Mahesh Perumal;	
812	20230177510	2023-01-31	BLOCKCHAIN-BASED METHOD AND APPARATUS FOR MANAGING BIOLOGICAL ASSET OBJECT	Yingqiang WU;	
813	20230350980	2023-01-30	Management of Storage Devices Utilizing Non-Fungible Tokens	Shashank AGRAWAL; Cyril GUYOT;	
814	20230177515	2023-01-30	DECENTRALIZED SAFEGUARD AGAINST FRAUD	Eric Bravick; David Kuchar; Malcolm Garland; Harrison Dahme; David Grossblatt;	STRONG FORCE TX PORTFOLIO 2018, LLC;
815	20230359590	2023-01-27	SYSTEMS AND METHODS OF PROVIDING IMMUTABLE RECORDS	Taulant Ramabaja;	
816	20230245062	2023-01-27	DEVICES, SYSTEMS, AND METHODS FOR BLOCKCHAIN-BASED INVENTORY MANAGEMENT	Richard Silver;	Pyxelchain Technology Corporation;
817	20230177491	2023-01-27	METHOD AND SYSTEM FOR MERCHANT ACCEPTANCE OF CRYPTOCURRENCY VIA PAYMENT RAILS	Srinath RAVINATHAN; Donghao HUANG;	
818	20230169493	2023-01-27	METHOD AND SYSTEM FOR OPTIMIZATION OF DATA STORAGE FOR DISTRIBUTED LEDGERS	Ankur MEHTA; Awinash PANDEY; Saugandh DATTA; Chandan GARG;	
819	20230177607	2023-01-26	SELECTION OF CRYPTOGRAPHIC IDENTIFIERS IN A BLOCK	Adrian Glover; Sheldon Bennett; James Stafford-Coyte;	
820	20230244656	2023-01-25	BLOCKCHAIN-BASED SYSTEMS AND METHODS FOR COMMUNICATING, STORING AND PROCESSING DATA OVER A BLOCKCHAIN NETWORK	Silvia BARTOLUCCI; Pauline BERNAT; Daniel JOSEPH;	

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#	Pub. No	Filed	Title	Inventors	Assignees
821	20240087703	2023-01-25	SYSTEM AND METHOD FOR PROVIDING REAL-TIME PRESCRIPTION SHARING AND DISPENSING INFORMATION MONITORING SERVICE BASED ON BLOCKCHAIN NETWORK	Bumhwi KIM; Kyu KIM;	Electronics and Telecommunications Research Institute;
822	20230230102	2023-01-25	ASSET MANAGEMENT DEVICE AND METHOD	Daewon YOON; Mugong BAE; Dosung JUNG;	SAMSUNG ELECTRONICS CO., LTD.;
823	20230161898	2023-01-24	ACCESSING INFORMATION BASED ON PRIVILEGES	Abilash SOUNDARARAJAN; Michael TENNEFOSS;	
824	20230162175	2023-01-24	RAPID APPROVAL OF BLOCKCHAIN-BASED TRANSACTIONS	Harry TU;	
825	20230163963	2023-01-24	METHOD AND APPARATUS FOR SELECTING DISTRIBUTED CONSENSUS NODE BASED ON PROOF OF NONCE	Jin-Tae OH; Joon-Young PARK; Ki-Young KIM;	
826	20240031373	2023-01-24	INTEGRATION OF ANONYMIZED, MEMBER-DRIVEN CLOUD-BASED GROUPS AND CONTENT DELIVERY SERVICES THAT COLLECT INDIVIDUAL INFORMATION ABOUT CONTENT INTERACTIONS WITHOUT COMPROMISING IDENTITIES OF GROUP MEMBERS	Siddharth Gupta;	Oracle International Corporation;
827	20230237483	2023-01-23	DIGITAL NON-FUNGIBLE ASSETS IN PERSISTENT VIRTUAL ENVIRONMENTS LINKED TO REAL ASSETS	Jason Gagne-Keats; Gary Anderson; Wolfgang Muller; Jean-Baptiste Theou;	
828	20230153821	2023-01-20	SYSTEM AND METHOD FOR BLOCKCHAIN TOKENS FOR GAMING	George WEIKSNER; George WEIKSNER; Timothy TELLO;	Pocketful of Quarters, Inc.;
829	20230289806	2023-01-20	Self-Aware Cryptocurrency Wallets	Shashank AGRAWAL; Cyril GUYOT; Evan DRAKE;	
830	20230237471	2023-01-20	SYSTEM, METHOD, AND NON-TRANSITORY COMPUTER-READABLE STORAGE MEDIA FOR MANAGING NON-FUNGIBLE TOKEN	Tomas Siedleczka; Noam Man;	
831	20230153614	2023-01-20	ARCHITECTURES, SYSTEMS AND METHODS FOR PROGRAM DEFINED SYSTEM	RANDALL KATZ; Robert Tercek;	
832	20230334479	2023-01-19	CERTIFICATE VERIFICATION METHOD AND APPARATUS USING NON-FUNGIBLE TOKEN	Jae-Hoon NAH;	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE;
833	20230230075	2023-01-19	LONGITUDINAL SYSTEM USING NON-FUNGIBLE TOKENS THAT EVOLVE OVER TIME	Joseph Aiello; Ashish Gupta; Alanna Kitaeff; Brendan Lynch; Christopher Tweed-Kent;	Live Nation Entertainment, Inc.;
834	20230231711	2023-01-19	BLOCKCHAIN-IMPLEMENTED METHOD AND SYSTEM	Gavin Allen;	
835	20230231908	2023-01-19	COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR CONTROLLING PROCESSING STEPS OF A DISTRIBUTED SYSTEM	Daniel JOSEPH;	
836	20230230041	2023-01-17	APPARATUS AND METHOD FOR MATCHING EMPLOYER TO JOB SEEKER BASED ON METAVERSE PLATFORM	Byung KIM;	UNIVERSITY OF ULSAN FOUNDATION FOR INDUSTRY COOPERATION;
837	20230237111	2023-01-13	SYSTEMS AND METHOD FOR BLOCKCHAIN ASSET RANKING	Sridhar Ramaswamy; Nathan Wiegand; Rajaram Gaunker;	
838	20230237482	2023-01-13	SYSTEM AND METHOD FOR DETERMINING TRUST VALUES IN A BLOCKCHAIN	Sridhar Ramaswamy; Nathan Wiegand; Rajaram Gaunker;	
839	20230237549	2023-01-13	SYSTEMS AND METHODS FOR A SEARCH ENGINE OF BUYERS IN A BLOCKCHAIN	Sridhar Ramaswamy; Nathan Wiegand; Rajaram Gaunker;	
840	20230153768	2023-01-13	SYSTEMS AND METHODS FOR E-CERTIFICATE EXCHANGE AND VALIDATION	Kenneth PUSTIZZI;	XSPERO U.S.;

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#	Pub. No	Filed	Title	Inventors	Assignees
841	20230230065	2023-01-12	INTELLIGENT PAYMENT CARD SOLUTIONS	Jun Yan;	
842	20230229987	2023-01-11	METHODS FOR VALIDATING THE VERACITY OF A COMPLETED TASK	Jeremy Gallego Eckstein; Cariel Cohen;	
843	20240177143	2023-01-11	INTERMEDIARY ROLES IN PUBLIC TRUST LEDGER ACTIONS VIA A DATABASE SYSTEM	Gary BRANDELEER; Prithvi PADMANABHAN; Avanthika RAMESH;	Salesforce, Inc.;
844	20230153805	2023-01-10	METHOD AND SYSTEM FOR GROSS SETTLEMENT BY USE OF AN OPAQUE BLOCKCHAIN	Steven DAVIS;	
845	20230161894	2023-01-10	Protecting Sensitive Data	Vugranam Sreedhar; Sreekrishnan Venkateswaran; Charanjit Jutla;	
846	20230163947	2023-01-10	METHOD AND SYSTEM FOR AUDITING SMART CONTRACTS	Sébastien LE CALLONNEC; Eduardo ANDRADE; Rakesh YADAV;	
847	20230143554	2023-01-10	METHODS, SYSTEMS, AND DEVICES FOR FEDERATED BLOCKCHAIN-ENABLED HANDOVER AUTHENTICATION	Moshiur Rahman;	AT&T Intellectual Property I, L.P.;
848	20230141175	2023-01-06	METHOD AND SYSTEM FOR REDUCING STORAGE OVERHEAD OF BLOCKCHAIN NODES, AND STORAGE MEDIUM	Guang YANG; Chenxing LI; Fengyu ZHANG; Ming WU; Fan LONG; Peilun LI;	
849	20230153832	2023-01-06	TOKENIZING SCARCE GOODS WITH PROVENANCE HISTORY BOUND TO BIOLOGICAL FINGERPRINTS	Alexander Lipton; Thomas Hardjono;	Numéraire Financial, Inc.;
850	20230260026	2023-01-05	SYSTEM AND METHOD OF PATENT TOKENIZATION	Erich Spangenberg;	
851	20230239166	2023-01-04	METHOD AND SERVER FOR PERFORMING BUILDING INFORMATION MODELLING DESIGN COLLABORATION VIA CONFIDENTIALITY-MINDED FRAMEWORK USING INTERPLANETARY-FILE-SYSTEM-BLOCKCHAIN INTEGRATED NETWORK	Jack Chin Pang CHENG; Xingyu TAO; Yuhan LIU; Moumita DAS; Kok WONG; Keyu CHEN;	
852	20230237110	2022-12-30	BLOCKCHAIN SEARCH ENGINE	Sridhar Ramaswamy; Nathan Wiegand; Rajaram Gaunker;	
853	20230221403	2022-12-30	GLOBAL RESOURCE LOCATOR LABEL	William Meadow;	
854	20230214528	2022-12-30	DATA MARKET SYSTEM	Yao-Tung Tsou; Juang-Ying Chueh;	DeCloak Intelligences Co.;
855	20230216683	2022-12-30	PHYSIO-DIGITAL NON-FUNGIBLE TOKEN SYSTEM	Danyal Panjwanj; Jack Bonomo;	
856	20230216669	2022-12-29	SYSTEMS AND METHODS FOR COMMUNICATION, STORAGE AND PROCESSING OF DATA PROVIDED BY AN ENTITY OVER A BLOCKCHAIN NETWORK	Silvia BARTOLUCCI; Pauline BERNAT; Daniel JOSEPH;	
857	20230155843	2022-12-29	METHOD AND DEVICE FOR PROVIDING BLOCKCHAIN DID-BASED CERTIFICATE DISTRIBUTION SERVICE	Myoung CHOI;	SWEMPIRE CO., LTD.;
858	20230216833	2022-12-29	SYSTEMS AND METHODS FOR ENSURING CORRECT EXECUTION OF COMPUTER PROGRAM USING A MEDIATOR COMPUTER SYSTEM	Alexandra COVACI; Simone MADEO; Patrick MOTYLINSKI; Stephane VINCENT;	
859	20230139952	2022-12-29	DECENTRALIZED COMPUTER SYSTEMS AND METHODS FOR USING A DEBIT NETWORK AS AN INTERMEDIARY BETWEEN DISTRIBUTED LEDGERS	Chandra OLSON;	
860	20240152637	2022-12-29	DATA SYSTEM	Christophe Lallement; Alexandra-Violeta Iepure; Sebastien Roche;	

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#	Pub. No	Filed	Title	Inventors	Assignees
861	20230163957	2022-12-28	INFORMATION INTEGRITY IN BLOCKCHAIN AND RELATED TECHNOLOGIES	Benjamin Mord; Allan Mord;	
862	20230162196	2022-12-28	SECURE MULTI-FACTOR TOKENIZATION-BASED SUB-CRYPTOCURRENCY PAYMENT PLATFORM	Shaunt SARKISSIAN; William DENNINGS; Michael VALASANYAN; Luis Miguel Prata RAMOS;	TBOL INC.;
863	20230214845	2022-12-27	DEEP LEARNING BASED METHOD AND SYSTEM FOR DETECTING ABNORMAL CRYPTOCURRENCY TRANSACTION BETWEEN COMPUTING DEVICES IN A BLOCKCHAIN NETWORK	Jae Cheong;	
864	20230135204	2022-12-27	METHODS AND SYSTEMS FOR REGULATING OPERATION OF UNITS USING ENCRYPTION TECHNIQUES ASSOCIATED WITH A BLOCKCHAIN	Cassie BOUTELLE; Lou GRILLI; Troy LAND; James HEYSTEK; Wade MURRAY;	FIDELITY INFORMATION SERVICES, LLC.;
865	20230214796	2022-12-27	REAL-TIME MULTIPLE-ACCESS EXCHANGE-PARTY-FREE COUNTERPARTY-SECURE EXCHANGE	Jeff Hilde; Austin Hilde; Brandon Hilde;	
866	20230298017	2022-12-26	DISTRIBUTED LEDGER AND BLOCKCHAIN TECHNOLOGY-BASED APPARATUS AND METHODS FOR PROVIDING AN EXCHANGE AND/OR CLEARINGHOUSE FOR REAL ESTATE ASSETS, HIGH VALUE ASSETS, UNIQUE ASSETS, INTELLECTUAL PROPERTY ASSETS, DIGITAL ART AND/OR DIGITAL MEMORABILIA ASSETS, AND/OR NON-FUNGIBLE TOKENS, AND/OR SERVICES	RAYMOND JOAO;	
867	20240211604	2022-12-23	BINDING CONFIGURATION STATE TO A BLOCKCHAIN	Sean Huntley; David Ott; Daniel Beveridge;	
868	20230134162	2022-12-23	METHOD OF PROCESSING INFORMATION, ELECTRONIC DEVICE, AND STORAGE MEDIUM	Chunhui WAN;	BEIJING BAIDU NETCOM SCIENCE TECHNOLOGY CO., LTD.;
869	20230134458	2022-12-23	SECURE AND TRUSTWORTHY BRIDGE FOR TRANSFERRING ASSETS ACROSS DIFFERENT NETWORKS WITH AN UPDATING POOL OF WARDENS	Michael Kaplan; Conor Leary; Nicholas Mussallem; Emin Sirer; Bernard Wong;	
870	20230132211	2022-12-22	DISTRIBUTED KEY SECRET FOR REWRITABLE BLOCKCHAIN	Giuseppe Ateniese; Michael Chiaramonte; David Treat; Bernardo Magri; Daniele Venturi;	Accenture Global Solutions Limited;
871	20240211901	2022-12-22	BLOCKCHAIN HOSTED MACHINE LEARNING	Sean Huntley;	
872	20240214228	2022-12-22	BLOCKCHAIN BASED PUBLIC KEY INFRASTRUCTURE	Sean Huntley;	
873	20230376880	2022-12-22	METHOD AND SYSTEM FOR USER PERFORMANCE EVALUATION	VIVEKANAND RAMGOPAL; MALINI RAMAN; NAMITHA JEREMIAH; ASHISHKUMAR LAKSHMANAN;	Tata Consultancy Services Limited;
874	20230237447	2022-12-22	BLOCKCHAIN-BASED EXCHANGE WITH TOKENISATION	Craig WRIGHT; Stephane SAVANAH;	
875	20230237468	2022-12-22	SECURE TRANSFER BETWEEN BLOCKCHAINS	John FLETCHER; Marco BARDOSCIA; Thomas TREVETHAN;	
876	20230204711	2022-12-22	GLOBAL RESOURCE LOCATOR LABEL	William Meadow;	
877	20240169167	2022-12-22	METHOD FOR ANTI-TAMPERING APPARATUS SERVICING DATA AND SYSTEM THEREOF	Min-Hao LI; Yu-Chiao WANG; Ya-Ping LEE; Wei-Der CHUNG; Jhy-Ping WU;	
878	20240211564	2022-12-22	USER AUTHENTICATION IN DECENTRALIZED COMPUTING SYSTEM ENVIRONMENT	John FIELDS; Bharath SREERAVINDRA; Matthew BURKE;	Capital One Services, LLC;
879	20240211909	2022-12-22	SYSTEMS AND METHODS FOR ENABLING NON-FUNGIBLE TOKENS (NFTs) IN A VIRTUAL/METAVERSE ENVIRONMENT	Dhananjay Lal; Reda Harb;	
880	20240211910	2022-12-22	SYSTEMS AND METHODS FOR ENABLING NON-FUNGIBLE TOKENS (NFTs) IN A VIRTUAL/METAVERSE ENVIRONMENT	Dhananjay Lal; Reda Harb;	

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#	Pub. No	Filed	Title	Inventors	Assignees
881	20240214215	2022-12-22	SYSTEMS AND METHODS FOR FACILITATING INITIAL DEPLOYMENTS OF CRYPTOGRAPHIC ASSETS ACROSS COMPUTER NETWORKS IN A CRYPTOGRAPHICALLY SECURE MANNER	Sean GENG; Theo SZYMKOWIAK; Ankit CHIPLUNKAR;	Coinbase, Inc.;
882	20230195722	2022-12-21	BLOCKCHAIN MANAGER SYSTEM	Sergey Bekiyants;	
883	20240211936	2022-12-21	Circular Blockchains	DOUGLAS GROVER; MICHAEL ANGELO;	MICRO FOCUS LLC;
884	20230119065	2022-12-20	METHOD AND APPARATUS FOR CONTROLLING DATA ACCESS RIGHT	Ruifeng Hu; Feihu Jiang; Tsz Yuen; Yaoguo Jiang; Haojun Zhou;	
885	20230119501	2022-12-19	BLOCKCHAIN ENABLED SERVICE REQUEST SYSTEM	Ashwini Kadarmandalgi; Sowmya Saiprasad; Srinivas Vadhri;	Visa International Service Association;
886	20230230080	2022-12-19	STORING AND RETRIEVING DATA ASSOCIATED WITH AN ASSET	Jonathan GEATER; Mansoor AHMED-RENGERS; Robin BRYCE;	
887	20230196342	2022-12-19	SYSTEMS AND METHODS FOR MULTIPLE SMART CONTRACTS FOR MULTIPLE LEDGER NON-FUNGIBLE TOKENS AND METHODS FOR MANAGING THE SAME	Jeffery Mullen; Jonathan Beaver;	
888	20240059324	2022-12-19	CONTROL METHOD FOR MONITORING AND RESPONDING TO HACKING INTO VEHICLE	Myung Yeom; In Kim;	HYUNDAI MOTOR COMPANY; KIA CORPORATION;
889	20240201969	2022-12-18	SUPPORT TRACKING VIA EMBEDDED NFTS	Zachary Silverstein; Melanie Dauber; Logan Bailey; Jacob Jepperson; Jeremy Fox;	
890	20230196318	2022-12-16	TRACKING AND PUBLICATION OF ASSETS ON BLOCKCHAIN OR DISTRIBUTED LEDGER	Steven Rosen; Anthony Pyros; Chandra Balasubramanian; Himanshu Amin;	
891	20230120742	2022-12-16	QUANTUMPROOF BLOCKCHAIN	Jintai DING; Yangxing DING;	
892	20230122875	2022-12-16	USER CONTROLLED STORAGE AND SHARING OF PERSONAL USER INFORMATION ON A BLOCKCHAIN	Sergio GONZALES, JR;	
893	20230201725	2022-12-15	CROSS-CHANNEL BLOCKCHAIN AND METAVERSE INTEGRATION SOLUTIONS FOR GAMING SYSTEMS	Mili Dalmia; Sunil Somanna T S; Ramesh Mathiyalagan;	
894	20230191264	2022-12-15	CROSS-CHANNEL BLOCKCHAIN AND NON-FUNGIBLE TOKEN SOLUTIONS FOR GAMING SYSTEMS	Mili Dalmia; Sunil Somanna T S; Ramesh Mathiyalagan;	
895	20230188350	2022-12-15	Methods, Systems and Computer Program Products for Generation and Transfer of Non-Fungible Tokens	Sohil Arora;	
896	20230163982	2022-12-14	ELECTRONIC DEVICE INCLUDING PARTIAL LEDGER AND METHOD IN BLOCKCHAIN NETWORK	Woongah YOON; Wooup Kwon; Hun Kim;	SAMSUNG ELECTRONICS CO., LTD.;
897	20240202744	2022-12-14	USING BLOCKCHAIN TECHNOLOGY TO DETERMINE AUTHENTICITY OF ITEMS	Samuel RAPOWITZ; Chandra Sekhar Babu NAGAM VENKATA; Fernando ALVAREZ; Jeffrey EDWARDS;	Capital One Services, LLC;
898	20230410105	2022-12-14	Methods and Systems for Transferring Cryptocurrency Between a Plurality of Wallets, Without Revealing an Origin or a Destination or Encrypted, Origin or a Destination	Ilya Gazman;	
899	20230120472	2022-12-14	ELECTRONIC MORTGAGE BROKERING AND MONITORING	Ruth Hatherley; Jonathan Macdonald;	
900	20230114960	2022-12-14	CONTROL METHOD, INFORMATION PROCESSING DEVICE, AND STORAGE MEDIUM	Takuma TAKEUCHI; Masanobu MORINAGA;	FUJITSU LIMITED;

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#	Pub. No	Filed	Title	Inventors	Assignees
901	20230188368	2022-12-13	METHOD FOR DETERMINING AN AUTHORIZATION TO IMPLEMENT A COMPOSITE RESOURCE, BLOCKCHAIN, DEVICES AND CORRESPONDING PROGRAM	Emmanuel Bertin; Julien Hatin;	
902	20240190341	2022-12-13	SYSTEMS AND METHODS FOR GENERATING SOUND TOKENS	David Tsai; Will Hargis; Charan Lota;	Toyota Connected North America, Inc.;
903	20230230079	2022-12-11	METHODS AND SYSTEMS FOR MANAGEMENT OF A BLOCKCHAIN-BASED COMPUTER-ENABLED NETWORKED ECOSYSTEM	RAJEEV MALHOTRA; MOHD SUFYAN;	
904	20230269104	2022-12-09	METHOD OF MANAGING DATA HISTORY AND DEVICE PERFORMING THE SAME	Min IN; Won LEE; Suwook HA;	
905	20230186296	2022-12-09	ENABLING CONFIDENTIAL AND NON-CONFIDENTIAL TRANSACTIONS ON A DIGITAL TOKEN ARCHITECTURE	Michael Vines; Sam Kim;	
906	20230385791	2022-12-08	Experience Based NFT Marketplace for Digital Assets	Krishna Ayyagari;	
907	20230298117	2022-12-08	Automated Tokenization Of Property Rights	John Barlow; Michael Waters;	
908	20240054190	2022-12-08	Digital Rights Management for NFTs Across Search Surfaces	Ibrahim Badr;	
909	20230177474	2022-12-07	METHOD OF AND SYSTEM FOR GENERATING CARBON COINS IN A BLOCKCHAIN SYSTEM USING PROOF OF CAPTURE	Traian IVAN; Antoine Arbour;	
910	20240048547	2022-12-07	User Data and Personalization Models Implemented on a Blockchain	Ibrahim Badr;	
911	20230421551	2022-12-07	DECENTRALIZED AVATAR AUTHENTICATION IN ONLINE PLATFORMS	Thomas Hardjono; Marsha LIPTON;	Numéraire Financial, Inc.;
912	20240048397	2022-12-07	Identity Management for Web2 and Web3 Environments	Ibrahim Badr;	
913	20240056441	2022-12-07	Decentralized Identity Management for Web3	Ibrahim Badr;	
914	20230334492	2022-12-06	BLOCKCHAIN AGNOSTIC TOKEN NETWORK	Ryan Tai; Madeeha Ghori; Daniel Barrett; James Westlake; David Grodsky; Daniel Pittack;	
915	20240184560	2022-12-06	SOFTWARE FEATURE PRIORITIZATION USING BLOCKCHAIN	Jacob Jepperson; Zachary Silverstein; Jeremy Fox; Spencer Reynolds;	
916	20240185251	2022-12-06	System, Method, and Computer Program Product for Determining a Pseudo-Identity Score in a Virtual Environment Based on a Blockchain Network	John Markh;	
917	20240013203	2022-12-06	IN-GAME CRYPTOCURRENCY WALLETS	Max Holmes; Braydon Batungbacal;	
918	20230177490	2022-12-06	CRYPTOGRAPHIC ASSET GENERATION USING SHORT RANGE WIRELESS COMMUNICATION	William Moore; Ryan Richards; Joseph Ginzburg; Daniel Davood;	
919	20230114566	2022-12-06	ELECTRONIC DEPOSIT BOX FOR DATA PROTECTION AND STORAGE	Jan CARSON;	
920	20230246810	2022-12-05	PHYSICAL ITEM MAPPING TO BLOCKCHAIN FRAMEWORK	MAX RADY;	

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921	20230093968	2022-12-05	ELECTRONIC DEVICE USING BLOCKCHAIN AND OPERATING METHOD THEREOF	Chanjoon PARK; Yewon KIM; Gyuhyun SHIN; Dasom LEE;	SAMSUNG ELECTRONICS CO., LTD.;
922	20240187400	2022-12-05	Blockchain Escrow and Auditing Service	DOUGLAS GROVER; MICHAEL ANGELO;	MICRO FOCUS LLC;
923	20230177209	2022-12-05	Distributed Communication Network	Pradeep Goel;	
924	20240187264	2022-12-05	KEY DERIVATION FOR ACCOUNT MANAGEMENT	Howard Wu; Pratyush Mishra;	
925	20240187399	2022-12-05	Customized Token Rules Generation System	Jeff Lojko; Prabhat Ranjan; Monika Kapur; Siten Sanghvi; Steven Green; Naga Vamsi Krishna Akkapeddi;	
926	20240185191	2022-12-02	Web3 Decentralized Blockchain Based NFT Framework... Applications	ROBERT BERNARDI;	
927	20230176892	2022-12-02	TOKEN-LESS AND KEY-VALUE MAPPING VIRTUAL MACHINES	Patrick O'Grady; Stephen Buttolph;	
928	20230109969	2022-12-02	DATA PROCESSING METHOD AND APPARATUS BASED ON NODE INTERNAL MEMORY, DEVICE AND MEDIUM	Maocai LI; Zongyou WANG; Hu LAN; Gengliang ZHU; Pan LIU; Kaiban ZHOU; Yifang SHI; Huankun HUANG; Jinsong ZHANG; Li KONG; Zhiyong LIAO;	TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED;
929	20240185223	2022-12-02	SYSTEMS AND METHODS FOR STORING MUTABLE USER DATA IN AN NON-FUNGIBLE TOKEN (NFT)	Joshua McGARITY; Lea CODY; Clayton JOHNSON; Ruby ROMAN ESTREMERA;	Capital One Services, LLC;
930	20240187263	2022-12-02	SECURE AND EFFICIENT DISTRIBUTION OF SMART CONTRACT APPLICATION BINARY INTERFACES AND ADDRESSES	Bala Siva Sai Akhil Malepati; Ram Krishnan;	
931	20230169045	2022-12-01	SYSTEM AND METHOD FOR INFORMATION STORAGE USING BLOCKCHAIN DATABASES COMBINED WITH POINTER DATABASES	Avery Glasser;	
932	20240107285	2022-12-01	SYSTEM AND METHOD FOR ECOSYSTEM ENCAPSULATOR WITH EMERGENCY RESPONSE ON THE BLOCKCHAIN	Jaison SEBASTIAN;	
933	20240181987	2022-12-01	VEHICLE DIGITAL KEY MANAGEMENT ON A BLOCKCHAIN	Vladimir Stefanovski; Karl Clark; Riaz Ulla; Zoheb Mohammed;	
934	20240185316	2022-12-01	UTILIZING BLOCKCHAIN TECHNOLOGY TO AUTOMATE SERVICE INVOICE PROCESSING	Ali HURAIFI; Abdullah ASKARI; Mohammed ABOULSAMH;	SAUDI ARABIAN OIL COMPANY;
935	20230245189	2022-12-01	MANAGEMENT PLATFORM FOR COMMUNITY ASSOCIATION MGCOne Online Platform and Marketplace	Savitha Sathyan; Jeyaranjan Sankarasivam;	
936	20230171116	2022-12-01	System and Method for Certified Digitization of Physical Objects	Ron Appel;	
937	20230105483	2022-12-01	SYSTEMS AND METHODS OF FACILITATING DIGITAL RATINGS AND SECURED SALES OF DIGITAL WORKS OF ART	Danny Rittman; Mo Jacob;	
938	20230102617	2022-12-01	REPEAT TRANSACTION VERIFICATION METHOD, APPARATUS, AND DEVICE, AND MEDIUM	Qucheng LIU;	
939	20240185180	2022-12-01	DECENTRALIZED MANAGEMENT OF VEHICLE OWNERSHIP	Zoheb Mohammed; Karl Clark; Riaz Ulla; Vladimir Stefanovski;	
940	20240185190	2022-12-01	Digital Format Custodial Services	Prabhat Ranjan; Willard Waldron; Jeff Lojko;	

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#	Pub. No	Filed	Title	Inventors	Assignees
941	20240185340	2022-12-01	SYSTEMS, DEVICES, AND METHODS FOR A DECENTRALIZED FINANCE PLATFORM FOR DIGITAL TOKENS	Sergio Solano; Daniel Konjevic;	
942	20230090296	2022-11-30	TRANSACTION VERIFICATION OF A TRANSACTION BASED ON A BLOCKCHAIN NETWORK	Haoming FENG; Haitao TU; Libao HE; Qiuping CHEN; Jiabao CHEN; Peng REN; Shuiping ZHOU; Yong ZHAO; He WANG;	Tencent Technology (Shenzhen) Company Limited;
943	20230092275	2022-11-30	DEVICE MANAGEMENT BASED ON BLOCKCHAIN NETWORK	Jinming ZHANG; Jun ZHOU; Runzeng GUO; Shaoming WANG; Shiyou SUN;	Tencent Technology (Shenzhen) Company Limited;
944	20240176647	2022-11-30	BLOCKCHAIN REQUEST PRESCREENING FOR PARALLEL REQUEST PROCESSING	Ram Krishnan; Kostas Teofanidis; Dharmaraj Parmar; Nischal Sharma; Nisha Shekhawat; Vijaya Masilamani;	
945	20240177125	2022-11-30	AUTO INSTALLMENTS VIA SMART CONTRACTS ON BLOCKCHAIN	Dinesh Nayak; Krishna Kumari;	
946	20240177144	2022-11-30	SYSTEM AND METHOD FOR SHARING A DISTRIBUTED REVOCATION LIST ON A BLOCKCHAIN	Yann BIEBER; Vishruta RUDRESH;	NAGRAVISION SARL;
947	20230396445	2022-11-30	MULTI-SIGNATURE WALLETS IN PUBLIC TRUST LEDGER ACTIONS VIA A DATABASE SYSTEM	Prithvi PADMANABHAN;	Salesforce, Inc.;
948	20240048961	2022-11-30	BLOCKCHAIN-BASED SYSTEM FOR REESTABLISHING SEQUENCING AFTER CONNECTION LOSS BETWEEN DISTRIBUTED SUBSCRIBER DATABASE AND A 5G CORE	David Zufall;	
949	20240048963	2022-11-30	BLOCKCHAIN-BASED SYSTEM THAT RECORDS THE STATES OF 5G END USER MOBILE DEVICES USING THE DISTRIBUTED LEDGER	David Zufall;	
950	20240070649	2022-11-30	MOBILE WALLET MANAGEMENT OF DIGITAL TOKENS	Madhusudhan Vudali; Kamesh Raghavendra; TM. Ravi;	
951	20230100485	2022-11-29	NEURAL CONSENSUS-BASED BLOCKCHAIN NETWORK SYSTEM FOR PERFORMING RANDOM CONSENSUS PROOF USING NON-RANDOM CONSENSUS PROOF-BASED BLOCKCHAIN NETWORK	Eun BAEK; Do KIM;	
952	20230091864	2022-11-29	DEVICE FOR CONSTRUCTING NEURAL BLOCK RAPID-PROPAGATION PROTOCOL-BASED BLOCKCHAIN AND OPERATION METHOD THEREOF	Do KIM;	
953	20230261872	2022-11-29	UNIVERSAL ZERO-KNOWLEDGE SUCCINCT NON-INTERACTIVE ARGUMENT OF KNOWLEDGE PROOF SYSTEM FOR STACK-BASED VIRTUAL MACHINE PROGRAM	Je JANG; Heung LEE;	Gwangju Institute of Science and Technology;
954	20230245231	2022-11-29	SYSTEMS AND METHODS FOR PROVIDING LOW RISK ASSET-BASED INVESTMENT PRODUCTS	Nicolas Teissier;	
955	20230169498	2022-11-29	SYSTEMS, APPARATUS, AND METHODS FOR TRANSFERRING DIGITAL ASSETS USING PROOF-OF-SOUND	Daniel Sado;	
956	20230111668	2022-11-29	POINT-OF-SALE FRAUD PROTECTION	Josh Metnick; Conrad Barski;	Raise Marketplace, LLC;
957	20230092134	2022-11-29	APPARATUS AND METHOD FOR PROVIDING HEALTHCARE SERVICES REMOTELY OR VIRTUALLY WITH OR USING AN ELECTRONIC HEALTHCARE RECORD AND/OR A COMMUNICATION NETWORK	RAYMOND JOAO;	
958	20240129113	2022-11-28	METHOD FOR PROVIDING ORACLE SERVICE OF BLOCKCHAIN NETWORK BY USING ZERO-KNOWLEDGE PROOF AND AGGREGATOR TERMINAL USING THE SAME	Seung Lee; Jeong Lee; Joon Uhr;	
959	20230230186	2022-11-28	SYSTEM AND METHOD FOR MATURABLE NON-FUNGIBLE TOKENS AND INTEROPERABLE IP TOKENS FOR A DECENTRALIZED INNOVATION PLATFORM	Erich Spangenberg; Jonas Block; Daniel Bork;	
960	20230121171	2022-11-28	Airspace Management System for an Airspace Region	Jeffrey Bosworth;	Textron Innovations Inc.; Textron Innovations Inc.;

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#	Pub. No	Filed	Title	Inventors	Assignees
961	20230085903	2022-11-28	AUTOMATED DEVICE EFFICACY DETERMINATION SYSTEMS FOR HEALTH MONITORING DEVICES	Ankur Kaneria; Harry Gangaikondan-Iyer;	
962	20230090387	2022-11-28	BLOCKCHAIN-BASED DYNAMIC STORAGE PROVISIONER	Dylan Murray;	
963	20240177147	2022-11-28	SMART CONTRACT FOR INBOUND TRANSACTIONS	Hao Wen; Jiangchuan He; Nate Welch; Hui Xie; Vignesh Muralidharan; Rajeev Vishaka;	
964	20240177148	2022-11-28	Non-custodial Wallet	LE LI;	
965	20230090155	2022-11-26	BATTERY POWER MANAGEMENT APPARATUS AND METHOD FOR ELECTRIC VEHICLES AND/OR HYBRID VEHICLES	RAYMOND JOAO;	
966	20230222467	2022-11-24	INITIAL ISSUANCE AND SECONDARY DELIVERY SYSTEM FOR NON-FUNGIBLE TOKEN AND ENTITY OF VIRTUAL-REAL COUPLING PRODUCT AND METHOD THEREOF	Chen-Hsuan WANG; Jiann-Min YANG; Scott MIAU;	
967	20240177155	2022-11-24	DECENTRALIZED INFORMATION TRANSMISSION SYSTEM AND METHOD THEREOF	Bo-Wei Chen;	
968	20230089952	2022-11-23	PRINTING SYSTEM AND DEVICE FOR PROCESSING TRANSACTIONS IN A DISTRIBUTED LEDGER	Eric KAMPMAN;	Kyocera Document Solutions Inc.;
969	20240171545	2022-11-23	METHOD AND SYSTEM FOR SECURE OPERATIONS, ADMINISTRATION, AND MANAGEMENT FOR REMOTE NETWORKS	Deepak Majjiga; Jason Wright; Abhishek Kumar; Neeraj Bhatt;	
970	20230205761	2022-11-22	METHOD OF CREATING A DISTRIBUTED LEDGER FOR A BLOCKCHAIN VIA ENCAPSULATION OF OFF-CHAIN DATA	CHRISTOPHER B A. COKER;	ENCAPSA TECHNOLOGY LLC;
971	20230179423	2022-11-22	METHOD AND APPARATUS FOR STORING BLOCKCHAIN TRANSACTION DATA AND DISTRIBUTED STORAGE SYSTEM USING THE SAME	Myung-Cheol LEE;	
972	20230089235	2022-11-22	TRANSACTION PROCESSING METHOD AND APPARATUS, MEDIUM, AND ELECTRONIC DEVICE	Xiaoyi ZHANG; Runzeng GUO;	Tencent Technology (Shenzhen) Company Limited;
973	20240168787	2022-11-22	SECURE LIVE MIGRATION OF TRUSTED EXECUTION ENVIRONMENT VIRTUAL MACHINES USING SMART CONTRACTS	Vinothini Gunasekaran; Santosh Deshpande; Ajay Kishore;	Intel Corporation;
974	20240169447	2022-11-22	System and Method for Performing Marriage in a Metaverse	Joseph Gish; Julie Gish;	
975	20230163948	2022-11-21	BLOCKCHAIN FOR GENERAL COMPUTATION	Thomas TREVETHAN; Craig WRIGHT;	
976	20240171399	2022-11-21	USING SECONDARY BLOCKCHAIN ADDRESSES TO PREVENT MALICIOUS TRANSFERS	Anoop GOPI; Lesley NEWTON; Christina SONG;	Capital One Services, LLC;
977	20230327872	2022-11-18	METHODS AND SYSTEMS FOR GENERATING, SUBSCRIBING TO AND PROCESSING ACTION PLANS USING A BLOCKCHAIN	Zubin TEJA;	
978	20230308275	2022-11-18	NUCLEIC ACID STORAGE FOR BLOCKCHAIN AND NON-FUNGIBLE TOKENS	Tracy Kambara; Nick Lewkow; Ganeshkumar Varadarajalu; Cheryl Jones; Swapnil Bhatia; Sean Mihm; Hyunjun Park; Devin Leake; Kevin Gildea; Miriam Ramliden;	
979	20230081978	2022-11-18	LOCALIZED BLOCKCHAIN UTILIZING MESH NETWORKS FOR LOCALIZED EVENTS	Austin WALTERS; Jeremy GOODSITT; Fardin ABDI TAGHI ABAD; Reza FARIVAR;	Capital One Services, LLC;
980	20230082163	2022-11-18	SYSTEMS AND METHODS FOR MAINTAINING TRANSFERABILITY OF TITLE VIA BLOCKCHAIN	William Leise; Douglas Graff; Stacie McCullough; Shawn Call; Eric Bellas; Jaime Skaggs; Jacob Alt; Eric Moore; Vicki King;	

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981	20230177500	2022-11-18	METHOD OF CONDUCTING FINANCIAL TRANSACTIONS	Andrew HRDLICKA; Daniel CONWELL; Ben VALENTI; Drew CARTER; Chris DORNFELD;	
982	20230162166	2022-11-18	AUTOMATIC COLLECTION OF USER-GENERATED AUDIOVISUAL ASSETS AND GENERATION OF NON-FUNGIBLE TOKEN ASSETS	Keaton Keller;	
983	20230153799	2022-11-18	COMPUTERIZED TRADING SYSTEM FOR ASSET-BASED, SMART-CONTRACT TOKENS INCLUDING AUTOMATED DECENTRALIZED AUTONOMOUS ORGANIZATION TOKEN AND ASSET TRANSFER	Donald Wilson, JR; Christopher Zuehlke; Samuel Courtney;	
984	20230115587	2022-11-18	EVIDENCE ORACLES	William Leise; Douglas Graff; Anthony McCoy; Jaime Skaggs; Shawn Call; Stacie McCullough; Wendy Clayton; Melinda Magerkurth; Kim Flesher; Travis Runge;	
985	20230082506	2022-11-18	BLOCKCHAIN-BASED E-BUSINESS PLATFORM FOR METAVERSE DECENTRALIZATION	Huajun Liu;	Ruijin Qianniao Network Technology Co., Ltd.;
986	20240171404	2022-11-18	TECHNIQUES FOR CORRECTING ANOMALOUS ACTIVITY CAUSED BY SMART CONTRACTS	Lyle Paczkowski;	
987	20240119532	2022-11-16	SYSTEMS AND METHODS FOR GENERATING, MAINTAINING, AND USING AN ASSET RECORD ON A BLOCKCHAIN	Kimberly Kloeppel; EllaKate LeFebre; Steve Amancha; Ross Wheeler; Kimberly Doak-Wigginton; Stephen Dunstan;	
988	20240119533	2022-11-16	SYSTEMS AND METHODS FOR USING TELEMATICS DATA IN RELATION TO A BLOCKCHAIN	Kimberly Kloeppel; EllaKate LeFebre; Steve Amancha; Ross Wheeler; Kimberly Doak-Wigginton; Stephen Dunstan;	
989	20240119534	2022-11-16	SYSTEMS AND METHODS FOR GENERATING, MAINTAINING, AND USING PORTABLE DATA ON A BLOCKCHAIN	Kimberly Kloeppel; EllaKate LeFebre; Steve Amancha; Ross Wheeler; Kimberly Doak-Wigginton; Stephen Dunstan;	
990	20240119535	2022-11-16	SYSTEMS AND METHODS FOR GENERATING, MAINTAINING, AND USING PORTABLE TELEMATICS DATA ON A BLOCKCHAIN	Kimberly Kloeppel; EllaKate LeFebre; Steve Amancha; Ross Wheeler; Kimberly Doak-Wigginton; Stephen Dunstan;	
991	20230153874	2022-11-15	BLOCKCHAIN BASED RADIOLOGY BILLING, RADIOLOGIST MANAGEMENT, AND RADIOLOGY DATA TRACKING SYSTEM	William Randazzo; Eli Cornblath;	
992	20240161106	2022-11-15	SYSTEMS AND METHODS FOR REAL-TIME IDENTIFICATION OF AN ANOMALY OF A BLOCK TRANSACTIONS GRAPH OF A BLOCKCHAIN	Ahmed Mohammed Abdelrahman Mohammed; Samuel Assefa; Michael Villano;	U.S. Bank;
993	20240161116	2022-11-15	SYSTEMS AND METHODS FOR REAL-TIME IDENTIFICATION OF AN ANOMALY OF A BLOCK OF A BLOCKCHAIN	Ahmed Mohammed Abdelrahman Mohammed; Michael Villano; Samuel Assefa;	U.S. Bank;
994	20230071263	2022-11-15	SYSTEM AND METHODS FOR TRACKING AUTHORSHIP ATTRIBUTION AND CREATING MUSIC PUBLISHING AGREEMENTS FROM METADATA	Robert Hatcher;	
995	20240161180	2022-11-15	CONNECTING SHORT TERM RENTAL WITH DISTRIBUTED INFRASTRUCTURES	Jason Coates; Oliver Gonzalez; Michael Cecchini;	
996	20230252733	2022-11-14	DISPLAYING BLOCKCHAIN DATA ASSOCIATED WITH A THREE-DIMENSIONAL DIGITAL OBJECT	Alexander HERRITY; Neil VOSS;	Anima Virtuality, Inc.;
997	20230069836	2022-11-14	BLOCKCHAIN SYSTEMS AND METHODS FOR MANAGING PROPERTY LOAN INFORMATION	Lokesh Awasthy;	
998	20240163095	2022-11-14	IMMUTABLE AND SECURE OFF-CHAIN STORAGE FOR BLOCKCHAIN APPLICATIONS	Jaspreet Singh; Preethi Srinivasan;	
999	20230073703	2022-11-14	CONTROL METHOD, MOBILE NODE, AND RECORDING MEDIUM	Yuji UNAGAMI; Tetsuji FUCHIKAMI; Yuuki HIROSE; Ayaka MITANI;	
1,000	20240161375	2022-11-14	System and method to display profile information in a virtual environment	Navdeep Mahajan; Darshan Nanjegowda; Pavan Chayanam; Prashanth Kolar; Srinivas Dundigalla; Arunachalam Packirisamy; Indradeep Dantuluri;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
1,001	20240160640	2022-11-13	System and method of blockchain ledger data transfer and replication	Evgeny Aseev; Laurent Dedenis; Aleksandr Brilliantov; Serg Bell; Stanislav Protasov;	
1,002	20230083052	2022-11-11	SYSTEM AND METHOD FOR SCALABLY TRACKING MEDIA PLAYBACK USING BLOCKCHAIN	Pouria Assadipour; Andrew Batey;	Beatdapp Software Inc.;
1,003	20240160533	2022-11-11	ANALYZING A BLOCKCHAIN LEDGER TO DETERMINE WHICH DISASTER RECOVERY SITE TO USE FOR FAILOVER	Abdul Kareem A Lakkundi; Rajesh Ganji; Abdul Karimulla Shakhadari Mohammed; Ashutosh Janoria;	
1,004	20230230185	2022-11-11	SYSTEM AND METHOD FOR A DECENTRALIZED INNOVATION PLATFORM	Erich Spangenberg;	
1,005	20240163101	2022-11-11	TOKENIZED COMMODITY TENDERING ON A DISTRIBUTED PLATFORM	Stanley Guzik;	
1,006	20230289901	2022-11-10	OPERATING SYSTEM AND BLOCKCHAIN FOR ENERGY SUPPLY CHAIN	Gary GRAY;	LIION, LLC;
1,007	20230068532	2022-11-10	SYSTEMS AND METHODS FOR ADVANCED ENERGY SETTLEMENTS, NETWORK-BASED MESSAGING, AND APPLICATIONS SUPPORTING THE SAME ON A BLOCKCHAIN PLATFORM	Joseph Forbes, JR; Nathaniel Brockman; Thomas Gordon, III; JiNan George;	Causam Enterprises, Inc.;
1,008	20230078541	2022-11-09	DATA STORAGE METHOD AND APPARATUS BASED ON BLOCKCHAIN NETWORK	Zoudong LIANG; Yang Mo;	TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED;
1,009	20240184767	2022-11-09	Metadata Management through Blockchain Technology	Gothandapani Krishnan; Sanyam Jain; Vasu Bhagam;	
1,010	20240152917	2022-11-09	Method to Validate Application Programming Interface (API) leveraging Non fungible Token (NFT)	Shailendra Singh;	
1,011	20240154814	2022-11-09	Method to Validate Application Programming Interface (API) leveraging Non fungible Token (NFT)	Shailendra Singh;	
1,012	20240154824	2022-11-09	Performing secure data interactions in a distributed network	Navdeep Mahajan; Darshan Nanjegowda; Pavan Chayanam; Prashanth Kolar; Srinivas Dundigalla; Arunachalam Packirisamy; Indradeep Dantuluri;	
1,013	20240154825	2022-11-09	Method to Validate Application Programming Interface (API) leveraging Non fungible Token (NFT)	Shailendra Singh;	
1,014	20240152934	2022-11-08	CONTACT VERIFICATION AND NON-REPUDIATION SYSTEM	Tom OTVOS; Don REITH;	
1,015	20240154805	2022-11-08	SYSTEMS AND METHODS FOR BLOCKCHAIN-BASED DOMAIN REGISTRATION AND DEVICE AUTHENTICATION	Young CHOI; Warren UY; Dayong HE; Manuel CACERES;	Verizon Patent and Licensing Inc.;
1,016	20230289784	2022-11-07	CREATING AND MANAGING ARTIFICIALLY INTELLIGENT ENTITIES REPRESENTED BY NON-FUNGIBLE TOKENS ON A BLOCKCHAIN	Arif Khan;	
1,017	20230171098	2022-11-07	COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR TIME RELEASE ENCRYPTION OVER A BLOCKCHAIN NETWORK	Thomas TREVETHAN; Craig WRIGHT;	
1,018	20230059348	2022-11-07	BLOCKCHAIN ENHANCED ROUTE AUTHORIZATION	Michael McBride; Linda Dunbar; Yingzhen Qu;	
1,019	20230267467	2022-11-07	EFFICIENT INTEGRATION OF DATA INTO ENVIRONMENTS	H Nelson, Jr; Steven Swann;	
1,020	20230143044	2022-11-07	REMOTE EXECUTION OF A GAME PLAY PRODUCING OUTPUT	Sarath Sivadasan; Anand Singh;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,021	20230078996	2022-11-05	PEER NODE RECOVERY VIA APPROXIMATE HASH VERIFICATION	Praveen Jayachandran;	International Business Machines Corporation;
1,022	20240154800	2022-11-04	TOKEN RECOVERY	Gabriel Fernando; Sophia Wu; Vignesh Muralidharan; Dawid Kostek;	
1,023	20240152638	2022-11-03	BLOCKCHAIN-ENFORCED DATA ACCESS CONTROL	Gordon LI; Xuemin CHEN; Philippe KLEIN; Abbas SAADAT; Shee-Yen TAN; Rui DE MOURA ALVES PIMENTA;	
1,024	20240152893	2022-11-03	SYSTEM AND METHOD FOR SALE OF DISCOUNTED NON-FUNGIBLE TOKENS	Shane Northrop;	
1,025	20230049791	2022-11-02	FEDERATED DATA ROOM SERVER AND METHOD FOR USE IN BLOCKCHAIN ENVIRONMENTS	Richard Bunker, JR; Patrick O'Meara; Christos Polyzois; Paul Snow;	Inveniam Capital Partners, Inc.;
1,026	20240144246	2022-11-02	SYSTEM AND METHOD FOR PROOF-OF-STAKE VALIDATED SERVING OF STAKE-PRIORITIZED UTILITY	Jacob Steeves; Ala Shaabana; Francois Pierre Sarel Luus; Sin Liu; Yuiqan Hu;	Opentensor Foundation;
1,027	20230162188	2022-11-01	BLOCKCHAIN TRANSACTION APPROVAL USING OFFLINE PRIVATE ENCRYPTION KEYS	Richard SILVER;	Pyxelchain Technology Corporation;
1,028	20230047625	2022-11-01	METHOD AND SYSTEM FOR GENERALIZED PROVENANCE SOLUTION FOR BLOCKCHAIN SUPPLY CHAIN APPLICATIONS	Steven DAVIS; Rob BYRNE; Robert COLLINS; Leandro NUNES DA SILVA CARVALHO; Deborah BARTA;	
1,029	20230136446	2022-11-01	FAST ROBUST ORACLES VIA DECENTRALIZED AUTONOMOUS ORGANIZATIONS	Paul Burchard; Andrew Phillips; Francis Giannaros;	
1,030	20230058013	2022-11-01	PROVIDING ACCESS TO ENCRYPTED INSIGHTS USING ANONYMOUS INSIGHT RECORDS	Anirban Basak; Thomas Hardjono;	FortifID, Inc.;
1,031	20240062283	2022-11-01	Method and System for Secure and Automatic Mapping of Blockchain-Based Ledgers to Valid Account Statements	Ingo Czok; Ralf Hoffmann;	
1,032	20240144257	2022-11-01	METHODS AND SYSTEMS FOR IMPLEMENTING AN OMNI-CHAIN INTEROPERABILITY PROTOCOL IN AN OMNI-CHAIN NETWORK	Victor YOUNG;	
1,033	20230120073	2022-10-31	SYSTEM AND METHOD OF MULTI-ROUND TOKEN DISTRIBUTION USING A BLOCKCHAIN NETWORK	Daniel JOSEPH; Silvia BARTOLUCCI;	
1,034	20230075433	2022-10-31	Blockchain Based Document and Data Sharing	Mohan Venkataraman; Sai Nidamarty; Shyam Adivi; Alex Rosen; Gary Storr; Stephen Rogers; Derek Harrison; Vishnu Tadepalli; Daniel Schaefer; Murali Sappa;	
1,035	20240144256	2022-10-31	DECENTRALIZED BLOCKCHAIN CLIENT AUTHORIZATION AND AUTHENTICATION	Ram Krishnan; Vijaya Masilamani; Kostas Teofanidis; Michael Achenbach;	
1,036	20240146523	2022-10-31	ACCESS CONTROL USING A BLOCKCHAIN IDENTITY AND POLICY BASED AUTHORIZATION	Lisa DeLuca; Richard Protus; Aaron Quirk;	
1,037	20240005354	2022-10-31	SYSTEM AND METHOD OF PROVIDING MOBILE NUMBER LINKED TO REDEEMABLE AND SHAREABLE PROMOTIONS AND A CHECKOUT PROCESS	Toby RUSH; Kenneth CONKLIN, III; Joshua FREUDENHAMMER;	
1,038	20230128931	2022-10-31	SYSTEM AND METHOD FOR INTERNAL ETCHING SURFACES OFTRANSPARENT MATERIALS WITH INFORMATION PERTAINING TO ABLOCKCHAIN	Omar Hakim;	EllansaLabs Inc.;
1,039	20230077823	2022-10-31	SYSTEM AND METHOD TO ACCESS CASUALTY HEALTH INFORMATION IN AN EMERGENCY SITUATION	David Finkelstein; Paige Finkelstein; Ali Finkelstein;	
1,040	20230081577	2022-10-31	Medical Injectors and Systems and Methods for an Injection Management Platform	Jay Walker; Timothy Case; Lindsey Walker; Isra Elmahdi; Daniel Malito; Kristen Hannon;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,041	20230064400	2022-10-31	MULTI-MODAL ROUTING ENGINE AND PROCESSING ARCHITECTURE FOR ORCHESTRATION OF VARIABLE LENDING REPAYMENT TERMS USING CRYPTOCURRENCY COLLATERAL	Patrick Sells; Yan Lee;	New York Digital Investment Group LLC;
1,042	20230054743	2022-10-31	MULTI-MODAL ROUTING ENGINE AND PROCESSING ARCHITECTURE FOR CURRENCY ORCHESTRATION OF CONSUMER REWARDS	Patrick Sells; Robert Gutmann; Yan Lee; Reuben Grinberg; Brian Langel; Anthony Magliacca;	New York Digital Investment Group LLC;
1,043	20230055525	2022-10-31	MULTI-MODAL ROUTING ENGINE AND PROCESSING ARCHITECTURE FOR ORCHESTRATION OF VARIABLE LENDING INTEREST TERMS USING CRYPTOCURRENCY COLLATERAL	Patrick Sells; Yan Lee;	New York Digital Investment Group LLC;
1,044	20230056491	2022-10-31	MULTI-MODAL ROUTING ENGINE AND PROCESSING ARCHITECTURE FOR AUTOMATED ORCHESTRATION OF INTEREST ALLOCATIONS	Patrick Sells; Robert Gutmann; Yan Lee; Reuben Grinberg; Brian Langel; Anthony Magliacca;	New York Digital Investment Group LLC;
1,045	20230056644	2022-10-31	MULTI-MODAL ROUTING ENGINE AND PROCESSING ARCHITECTURE FOR AUTOMATED CURRENCY CONVERSION FOR INTELLIGENT TRANSACTION ALLOCATION	Patrick Sells; Robert Gutmann; Yan Lee; Reuben Grinberg; Brian Langel; Anthony Magliacca;	New York Digital Investment Group LLC;
1,046	20230058313	2022-10-31	MULTI-MODAL ROUTING ENGINE AND PROCESSING ARCHITECTURE FOR ORCHESTRATION OF LENDING RATE TERMS USING CRYPTOCURRENCY COLLATERAL AND SHARED YIELD	Patrick Sells; Nathaniel Conrad; Yan Lee;	New York Digital Investment Group LLC;
1,047	20230058448	2022-10-31	MULTI-MODAL ROUTING ENGINE AND PROCESSING ARCHITECTURE FOR ORCHESTRATION OF LENDING TERMS USING CRYPTOCURRENCY COLLATERAL	Patrick Sells; Nathaniel Conrad; Yan Lee;	New York Digital Investment Group LLC;
1,048	20230058474	2022-10-31	MULTI-MODAL ROUTING ENGINE AND PROCESSING ARCHITECTURE FOR ORCHESTRATION OF MULTI-CURRENCY LENDING EXCHANGES	Patrick Sells; Yan Lee;	New York Digital Investment Group LLC;
1,049	20230058786	2022-10-31	MULTI-MODAL ROUTING ENGINE AND PROCESSING ARCHITECTURE FOR ORCHESTRATION OF VARIABLE LENDING RATE TERMS USING CRYPTOCURRENCY COLLATERAL	Patrick Sells; Yan Lee;	New York Digital Investment Group LLC;
1,050	20230059742	2022-10-31	MULTI-MODAL ROUTING ENGINE AND PROCESSING ARCHITECTURE FOR RULE-BASED ORCHESTRATION OF TRANSACTIONS	Patrick Sells; Robert Gutmann; Yan Lee; Reuben Grinberg; Brian Langel; Anthony Magliacca;	New York Digital Investment Group LLC;
1,051	20230059827	2022-10-31	MULTI-MODAL ROUTING ENGINE AND PROCESSING ARCHITECTURE FOR ORCHESTRATION OF LENDING TERMS USING CURRENCY USAGE PATTERNS	Patrick Sells; Yan Lee;	New York Digital Investment Group LLC;
1,052	20230049114	2022-10-31	MULTI-MODAL ROUTING ENGINE AND PROCESSING ARCHITECTURE FOR ORCHESTRATION OF CREDIT TERMS USING CURRENCY BALANCES	Patrick Sells; Yan Lee;	New York Digital Investment Group LLC;
1,053	20230050268	2022-10-31	MULTI-MODAL ROUTING ENGINE AND PROCESSING ARCHITECTURE FOR BANKING STRATEGIES FOR AUTOMATED CURRENCY ORCHESTRATION	Patrick Sells; Robert Gutmann; Yan Lee; Reuben Grinberg; Brian Langel; Anthony Magliacca;	New York Digital Investment Group LLC;
1,054	20230052756	2022-10-31	MULTI-MODAL ROUTING ENGINE AND PROCESSING ARCHITECTURE FOR AUTOMATED CURRENCY ORCHESTRATION BASED ON STORED RULES	Patrick Sells; Robert Gutmann; Yan Lee; Reuben Grinberg; Brian Langel; Anthony Magliacca;	New York Digital Investment Group LLC;
1,055	20230117907	2022-10-28	METHODS AND SYSTEMS FOR THE EFFICIENT TRANSFER OF ENTITIES ON A BLOCKCHAIN	Craig Wright; Stephane Savanah;	
1,056	20240143573	2022-10-28	SERVERLESS-BASED BLOCKCHAIN PLATFORM	Bala Siva Sai Akhil Malepati; Ramesh Tellamsetty;	
1,057	20240143730	2022-10-28	MULTI-FACTOR AUTHENTICATION USING BLOCKCHAIN	Jayanth PRATHIPATI; Daniel PICK; Colin HART;	Capital One Services, LLC;
1,058	20230179403	2022-10-28	PYRAMID CONSTRUCT WITH TRUSTED SCORE VALIDATION	Anjali Gulati; Phillipus Van Eeden;	
1,059	20240070306	2022-10-28	SYSTEMS AND METHODS FOR BLOCKCHAIN-BASED NON-FUNGIBLE TOKEN (NFT) AUTHENTICATION	Luke JURAT; Vuk RADOICIC; Stefan LAZOVIC; Brandon CASTRO; Jeffrey POLI;	
1,060	20240094298	2022-10-28	METHOD FOR MANAGING BATTERY RECORD AND APPARATUS FOR PERFORMING THE METHOD	Jung KANG;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,061	20240144118	2022-10-28	SYSTEM FOR DECENTRALIZED AUTONOMOUS ORGANIZATION VETTED SELF-SOVEREIGN & NON FUNGIBLE TOKEN BASED SERVICE PROVIDER PLATFORM	Chandrasekhar Gundlapalli;	ECHELON EMERGING TECH GROUP LLC;
1,062	20240144245	2022-10-28	DIGITAL WALLET INTEGRATION FOR ONLINE SERVICES	Sunil Bhandekar;	
1,063	20240144268	2022-10-28	CONTROL METHOD, NON-TRANSITORY COMPUTER-READABLE STORAGE MEDIUM FOR STORING CONTROL PROGRAM, AND INFORMATION PROCESSING APPARATUS	Shingo Fujimoto; Masanobu Morinaga;	FUJITSU LIMITED;
1,064	20240146544	2022-10-28	AUTHENTICATING A USER INTERACTING WITH A WIRELESS TELECOMMUNICATION NETWORK VIA A NON-INTERNET CONNECTED PHONE	Brian Graves;	
1,065	20230207072	2022-10-27	SYSTEM AND METHOD FOR MANAGING CLINICAL TRIAL DATA USING BLOCKCHAIN NETWORK SCHEME	Bumhwi KIM; Kyu KIM;	Electronics and Telecommunications Research Institute;
1,066	20230129576	2022-10-27	SYSTEM AND METHOD FOR SMART CONTRACT DECODING AND ENCODING	Karen Root;	VCB Technologies, LLC;
1,067	20230044309	2022-10-27	METHOD, COMPUTER, AND PROGRAM FOR ARTWORK MANAGEMENT	Lachezar DODOV; Andreas LUDWIG;	
1,068	20240144249	2022-10-27	Systems And Methods For Overclocking Mining Rigs	Ashu Swami; Jim Crawford; Raymond Walintukan; Alven Diaz;	
1,069	20240144262	2022-10-27	Method, System, and Computer Program Product for Processing a Non-Fungible Token Having a Dynamic Value	BingQuan Zhang; Gabriel Teo Yu Xiang;	
1,070	20230052935	2022-10-26	ASYNCHRONOUS ACCOUNTING METHOD AND APPARATUS FOR BLOCKCHAIN, MEDIUM AND ELECTRONIC DEVICE	Pan LIU;	Tencent Technology (Shenzhen) Company Limited;
1,071	20230046789	2022-10-26	SOURCE DATA SECURED ON BLOCKCHAINS	Fausto DASSENNO;	
1,072	20230049748	2022-10-26	SYSTEMS, METHODS, AND DEVICES FOR GENERATING CRYPTOCURRENCY BASED ON CARBON DIOXIDE EMISSIONS	Thuy Nguyen;	
1,073	20240144247	2022-10-26	SYSTEMS AND METHODS FOR INTEGRATED DIGITAL WALLET PAYMENTS	Niren CHATURVEDI; Milena SHISHKOVA;	
1,074	20230135632	2022-10-25	SYSTEM AND METHOD TO INDEMNIFY ARTIFICIAL INTELLIGENCE ON A BLOCKCHAIN	Christopher Smolen; Stuart Card; Robert Anderson;	
1,075	20230037520	2022-10-25	BLOCKCHAIN SCHEMA FOR SECURE DATA TRANSMISSION	Kenneth TOLA; Keith WITHINGTON;	Smart Security Systems, LLC;
1,076	20230044605	2022-10-25	METHODS FOR EXTENDING A PROOF-OF-SPACE-TIME BLOCKCHAIN	Bram Cohen; Krzystof Pietrzak; Mariano Sorgente;	
1,077	20240073043	2022-10-25	BLOCKCHAIN SHARDING METHOD COMBINING SPECTRAL CLUSTERING AND REPUTATION VALUE MECHANISM	Rong Yu; Libin Cai; Siming Wang; Beihai Tan;	
1,078	20230140247	2022-10-25	RANKING CRYPTOCURRENCIES AND/OR CRYPTOCURRENCY ADDRESSES	Karim Eldefrawy; Ashish Gehani; Alexandre Thomas Jean-Pierre Matton;	
1,079	20230128825	2022-10-24	SYSTEMS AND METHODS FOR RETAINING EQUIPMENT INFORMATION IN A BLOCKCHAIN	Subramanian Meiyappan;	
1,080	20230040773	2022-10-24	Methods And Systems For Transferring Unspent Transaction Output (Utxo) Tokens In A Blockchain Network	Charles Gabriel Neale Dalton; Liam DiGregorio;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,081	20230182022	2022-10-24	ONLINE GAMING PLATFORM FOR RANDOM NUMBER GENERATION	Min Yi; Arthur Iinuma;	
1,082	20230053709	2022-10-24	Computationally Efficient Transfer Processing and Auditing Apparatuses, Methods and Systems	Xinxin Sheng; Thomas McGuire; Amanda Chiu; Jonathan Hromi; Raghav Chawla;	
1,083	20240135376	2022-10-24	BLOCKCHAIN-BASED SOURCE IDENTIFIER	Manu Kurian; Kevin Delson; Maharaj Mukherjee;	
1,084	20240135375	2022-10-23	STORAGE SYSTEMS TO PERFORM DATA VALIDATION IN BLOCKCHAINS	Owen Crowley; Peniel Charles; Manikandan Sethuraman;	
1,085	20230127714	2022-10-21	SYSTEMS AND METHODS FOR CONSENSUS IN A BLOCKCHAIN NETWORK	Christopher Desloge;	
1,086	20230129227	2022-10-21	SYSTEM AND METHOD FOR GENERATING A TABLE-DRIVEN MUTABLE BLOCKCHAIN	Kamalakar Karlapalem; Suyash Kandele;	
1,087	20230163981	2022-10-21	SYSTEMS AND METHODS FOR PROVIDING SECURITY FOR QR CODES	Hemang Subramanian;	The Florida International University Board of Trustees;
1,088	20240119450	2022-10-21	Method For Implementing Derivative NFT, Apparatus Therefor And Computer-Readable Storage Medium	Yin Wang; Dinghao Zeng; Zhi Yang; Caihong Wu;	
1,089	20230139892	2022-10-20	APPARATUS AND METHOD FOR MANAGING TRUST-BASED DELEGATION CONSENSUS OF BLOCKCHAIN NETWORK USING DEEP REINFORCEMENT LEARNING	Jong-Moon CHUNG; Yun GOH; Ju YUN;	
1,090	20230130182	2022-10-20	GENERATING AND MANAGING IMMUTABLE LICENSE GRANT RECORDS FOR AUTHORIZED DERIVATIVE WORKS	Aria Mir; Andrew Lloyd;	
1,091	20230117344	2022-10-20	PSEUDONYMOUS TRANSACTIONS ON BLOCKCHAINS COMPLIANT WITH KNOW YOUR CUSTOMER REGULATIONS AND REPORTING REQUIREMENTS	Paul Burchard; Fabiano Romeiro; Marco Argenti; Raj Mahajan; Anthony Daoud; Dominic Dotterrer; Lachlan Maxwell; Rahul Sharma;	
1,092	20230043702	2022-10-19	MULTI-MODAL ROUTING ENGINE AND PROCESSING ARCHITECTURE FOR CURRENCY ORCHESTRATION OF TRANSACTIONS	Patrick Sells; Robert Gutmann; Yan Lee; Reuben Grinberg; Brian Langel; Anthony Magliacca;	New York Digital Investment Group;
1,093	20240137230	2022-10-19	SYSTEMS AND METHODS FOR CONDITIONAL DISTRIBUTION OF AGGREGATED CRYPTOGRAPHIC DATA BASED ON A TRIGGER	Kevin OSBORN; Jeffrey RULE; Samuel RAPOWITZ;	Capital One Services, LLC;
1,094	20230124657	2022-10-18	EGR Powered System and Energy Provider Billing Entity, Billing Management Using Blockchain	Allan Jerome;	
1,095	20230037932	2022-10-18	DATA PROCESSING METHOD AND APPARATUS BASED ON BLOCKCHAIN NETWORK, AND COMPUTER DEVICE	Weili WEN;	
1,096	20240126849	2022-10-18	User credential authentication using blockchain and machine learning	Ashok Kumar; Narsing Raj; Siva Kumar Venkata Lakshmi Sai Devulapalli;	
1,097	20230118568	2022-10-17	TRUSTED GAMING TRANSACTIONS USING BLOCKCHAIN TECHNOLOGY	David Guy;	
1,098	20240126927	2022-10-17	UI/UX DEVELOPMENT SYSTEM APPLIED WITH BLOCKCHAIN FOR PREVENTING FORGERY/FALSIFICATION AND FORGERY/FALSIFICATION VERIFICATION METHOD USING THE SAME	Daegeun Lim; Jeongmu Yoon;	SHIFT INFORMATION & COMMUNICATION. CO. LTD.;
1,099	20230214954	2022-10-17	METHODS AND APPARATUS FOR DECENTRALIZED CONTENT MEASUREMENT	Sudheer Thota; John Peiffer;	
1,100	20230122761	2022-10-17	COMPUTER-IMPLEMENTED METHODS AND SYSTEMS RELATING TO ARITHMETIC CODING FOR SERIALISED ARITHMETIC CIRCUITS	Silvia BARTOLUCCI; Simone MADEO; Craig WRIGHT;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,101	20240127163	2022-10-17	Trusted order and delivery system	Baiju Mandalia;	
1,102	20240127321	2022-10-17	USER CONTEXT-AWARE WEBSITE OPTIMIZATION FRAMEWORK	Venkata Vara Prasad Karri; Hemant Sivaswamy; Shikhar Kwatra; Preethi Balakrishnan;	
1,103	20230134118	2022-10-14	DECENTRALIZED SOCIAL NEWS NETWORK WEBSITE APPLICATION (DAPPLICATION) ON A BLOCKCHAIN INCLUDING A NEWSFEED, NFT MARKETPLACE, AND A CONTENT MODERATION PROCESS FOR VETTED CONTENT PROVIDERS	George Sehremelis;	
1,104	20230119482	2022-10-14	METHOD FOR SECURING PRIVATE STRUCTURED DATABASES WITHIN A PUBLIC BLOCKCHAIN	Kenneth Griggs; Bram Cohen;	
1,105	20230121349	2022-10-14	METHOD FOR SECURING PRIVATE STRUCTURED DATABASES WITHIN A PUBLIC BLOCKCHAIN	Kenneth Griggs; Bram Cohen;	
1,106	20230122707	2022-10-14	DISTRIBUTED STORAGE SYSTEM AND METHOD OF STORING LARGE DATA USING BLOCKCHAIN	Moon Song;	
1,107	20230037572	2022-10-14	USE OF BLOCKCHAIN BASED DISTRIBUTED CONSENSUS CONTROL	Lawrence Orsini;	
1,108	20230418912	2022-10-14	MEDICAL DATA OWNERSHIP MANAGEMENT METHOD	ZON-YIN SHAE; JING-PHA TSAI; CHI-YU CHANG; YUAN-YU TSAI; KUN-YI CHEN;	
1,109	20230117941	2022-10-14	System and Process For Tracking Liquidity Pool Tokens	Christophe Dupont;	Yield Monitor;
1,110	20230121573	2022-10-14	BLOCKCHAIN-BASED SNEAKER AUTHENTICITY VERIFICATION AND TRACKING	Eric Tuy; Brandon Quinn; John Pena;	
1,111	20230032308	2022-10-14	INTELLIGENT ASSET MANAGEMENT	Micah Scott;	
1,112	20240126911	2022-10-14	SYSTEMS AND METHODS FOR CONTROLLING PERMISSIONS IN BLOCKCHAINS	Mihir VORA;	Capital One Services, LLC;
1,113	20230261863	2022-10-13	SYSTEM AND METHOD USING A FITNESS - GRADIENT BLOCKCHAIN CONSENSUS AND PROVIDING ADVANCED DISTRIBUTED LEDGER CAPABILITIES VIA SPECIALIZED DATA RECORDS	Luis Gutierrez-Sheris;	
1,114	20230208659	2022-10-13	BLOCKCHAIN APPARATUS AND METHOD FOR MOBILE EDGE COMPUTING	Chanik PARK; Yong JO;	POSTECH Research and Business Development Foundation;
1,115	20230110929	2022-10-13	Marine Blockchain Contract and System Connecting a Vessel and Its Engine to Stakeholders	VINCENT DARAGO; CHRISTOPHER JENKINS; STACY LAABS;	
1,116	20240127320	2022-10-13	PURCHASING PERMISSION UTILIZING A NON-FUNGIBLE TOKEN SYSTEM AND METHOD	James Sullivan; Jason Holmers;	
1,117	20230111782	2022-10-12	REQUEST PROCESSING METHOD BASED ON CONSORTIUM BLOCKCHAIN, DEVICE, AND STORAGE MEDIUM	Tong JIN;	
1,118	20230116401	2022-10-12	SYSTEM AND METHOD FOR VALUATION AND COLLATERALIZATION OF ILLIQUID ASSETS IN A BLOCKCHAIN-BASED ECOSYSTEM	Suresh Nichani;	
1,119	20240091646	2022-10-12	SYSTEMS AND METHODS FOR PLAYING GOLF	Michael McDonnell;	
1,120	20230342764	2022-10-11	DIGITAL BLOCKCHAIN VOTING TECHNOLOGY SYSTEM AND METHOD	Todd White;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
1,121	20240121707	2022-10-11	DETERMINING NETWORK COVERAGE AND NETWORK BANDWIDTH VIA BLOCKCHAIN ENABLED ESIM/UE SYSTEMS	Jennings Orcutt; Christopher William Krasny Ergen;	
1,122	20230231713	2022-10-11	ARTIFICIAL INTELLIGENCE PIPELINE NON-FUNGIBLE TOKEN AND EXECUTION METHOD THEREOF	Dong SEO; Min KIM; Seong YUN; Young YOO;	COMMON COMPUTER INC.;
1,123	20230131095	2022-10-11	COMPUTER METHOD AND GRAPHICAL USER INTERFACE FOR IDENTITY MANAGEMENT	CARLOS KORTEN; DHIRAJ RATTAN; CORY MOREIRA;	
1,124	20230111337	2022-10-11	Systems, Methods, and Devices, for Perceptual Hashing Through Entropic Sampling	Evan Maltz;	Zestbloom, Inc.;
1,125	20240119040	2022-10-11	PRESERVING CONCURRENCY AND ASYNCHRONOUS EXECUTION FOR VERSIONED DOCUMENTS	Varun Ojha; Ana Biazetti; Ritesh Tandon;	
1,126	20240070708	2022-10-10	Method and System for Rewarding for Carbon Dioxide Emission Reduction Based on Blockchain	Keundug Park; Heungyoul Youm;	Seoul University of Foreign Studies Industry Academy Cooperation Foundation; Soonchunhyang Industry Academy Cooperation Foundation; Korea Security Evaluation Laboratory Co., Ltd.;
1,127	20230214353	2022-10-10	Encoding / Decoding System and Method	Christopher McElveen;	
1,128	20230121095	2022-10-07	IMAGE CAPTURING APPARATUS CAPABLE OF GUARANTEEING AUTHENTICITY OF DIGITAL IMAGE, MANAGEMENT SYSTEM, CONTROL METHOD, AND STORAGE MEDIUM	Daiyu Ueno; Keiichiro Kubo; Keisuke Tanaka; Naohiko Tsuchida; Atsushi Fujita; Minoru Sakaida;	
1,129	20230029193	2022-10-07	SYSTEM AND METHOD FOR COMPOSITE CRYPTOGRAPHIC TRANSACTIONS	Karim HAMASNI; Stefan MUELLER; Atilla FIRAT; Matthew PESKETT;	
1,130	20230283466	2022-10-06	CONTENT PROTECTION SYSTEM	Takayuki SUZUKI; Hisayoshi SATO;	Hitachi Solutions, Ltd.;
1,131	20240121114	2022-10-06	SYSTEMS AND METHODS FOR RECOMMENDING NETWORK PROCESSING ROUTES WHEN CONDUCTING NETWORK OPERATIONS	Dan STONE; John GRANATA;	Coinbase, Inc.;
1,132	20230022769	2022-10-05	METHOD AND SYSTEM FOR PUBLIC ELECTIONS ON A MODERATED BLOCKCHAIN	Steven DAVIS;	
1,133	20230110969	2022-10-05	SUBSCRIPTION-BASED ACTIVATION OF ADS FEATURES	Thomas LUVÖ;	
1,134	20230108366	2022-10-04	SYSTEMS FOR ENCRYPTION USING BLOCKCHAIN DISTRIBUTED LEDGERS	Victor Tang; Phillip Runyan;	
1,135	20230108610	2022-10-04	SYSTEMS FOR SECURE DATA REPLICATION AND ORIGINAL DESTRUCTION USING A BLOCKCHAIN DISTRIBUTED LEDGER	Victor Tang; Phillip Runyan;	
1,136	20230360126	2022-10-04	ESTABLISHING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
1,137	20230362021	2022-10-04	SECURELY TRANSITIONING PURPOSE OF A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
1,138	20230351035	2022-10-04	SYSTEM AND METHOD FOR USER-CONTROLLABLE SHARING OF AUTHORIZATION FOR PRIVATE DATA	Weiqi DAI; Liangliang YU; Hai JIN; Deqing ZOU;	
1,139	20230032205	2022-10-04	CONTROL METHOD, NON-TRANSITORY COMPUTER-READABLE STORAGE MEDIUM FOR STORING CONTROL PROGRAM, AND CONTROL APPARATUS	Yuki Yonekura; Shingo Fujimoto; Masanobu Morinaga;	FUJITSU LIMITED;
1,140	20240111756	2022-10-04	Communications Interface Between Separate Systems Referencing Distributed Ledger	Frank Albrecht;	

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1,141	20240111880	2022-10-04	MULTI-MODAL, MODULAR DATA SECURITY AND MONETIZATION SYSTEM AND METHOD	Ron Redlich;	
1,142	20240113881	2022-10-04	AUTHORIZED USERS AND EXPERIENCES AUTHENTICATED/MANAGED BY NON-FUNGIBLE TOKEN (NFT) OWNERSHIP	Imren JOHAR; Dennis BRENNAN; Kevin OSBORN;	Capital One Services, LLC;
1,143	20240113900	2022-10-04	SYSTEMS AND METHODS FOR FACILITATING CRYPTOGRAPHICALLY BACKED COORDINATION OF COMPLEX COMPUTER COMMUNICATIONS	Imren JOHAR;	Capital One Services, LLC;
1,144	20240113901	2022-10-04	SYSTEMS AND METHODS FOR FACILITATING CRYPTOGRAPHICALLY BACKED COORDINATION OF COMPLEX COMPUTER COMMUNICATIONS	Imren JOHAR;	Capital One Services, LLC;
1,145	20230113492	2022-10-03	COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR MANAGING TRANSACTIONS OVER A BLOCKCHAIN NETWORK	Giuseppe DESTEFANIS; Simone MADEO; Patrick MOTYLINSKI; Stephane VINCENT;	
1,146	20230028854	2022-10-03	SYSTEM AND METHOD OF CRYPTOGRAPHIC KEY MANAGEMENT IN A PLURALITY OF BLOCKCHAIN BASED COMPUTER NETWORKS	Tal BE'ERY; Ouriel OHAYON; Omer SHLOMOVITS; Gary BENATTAR;	ZENGO LTD;
1,147	20230029602	2022-10-03	SAFETY INDEX FOR THE CALCULATION OF A RATING BASED ON USER GENERATED REPORTS OR ACTIONS AND REWARDS SYSTEM THEREFOR	Peter Mottur; James Cobery; Claude Sheer; Nathan Whittaker;	Vizsafe, Inc.;
1,148	20240113902	2022-10-03	DISTRIBUTED LEDGER-BASED SYSTEM, METHOD AND APPARATUS FOR MANAGING TASKS	Oliver Michaelis; Mike Ball; Charles Andrew Hugh Baker; Peter Carides;	
1,149	20240113872	2022-09-30	INDUSTRIAL AUTOMATION BLOCKCHAIN DATA MANAGEMENT	Kenneth Batcher; Sharath Chander Reddy Baddam; Juergen Weinhofer; Timothy Biernat; David Vasko;	
1,150	20230144153	2022-09-30	BLOCKCHAIN-IMPLEMENTED CONTROL METHOD AND SYSTEM FOR CONTROLLING AN EXTERNAL PROCESS OR SYSTEM	Ying Chan;	
1,151	20230108514	2022-09-30	METHOD AND SYSTEM FOR BLOCKCHAIN-BASED TRANSACTIONS FOR THE ATOMIC EXCHANGE OF ASSETS	Ephraim MUHIA; Zachariah NJOROGE;	
1,152	20230026665	2022-09-30	DIGITAL FIAT CURRENCY	Simon Hurry; Alexandre Pierre;	Visa International Service Association;
1,153	20240111273	2022-09-30	PERFORMANCE-BASED SMART CONTRACTS IN INDUSTRIAL AUTOMATION	Kenneth Batcher; Sharath Chander Reddy Baddam; Juergen Weinhofer; Timothy Biernat; David Vasko;	
1,154	20240112176	2022-09-30	CRYPTO-BASED TRANSACTION FRAUD PROTECTION	Kamran Fekri;	
1,155	20240013202	2022-09-29	METHODS AND SYSTEMS FOR USAGE-CONDITIONED ACCESS CONTROL BASED ON A BLOCKCHAIN WALLET	Chris BACON; Jamie LY; Brent MARSHALL; Sunghyun LEE;	Shopify Inc.;
1,156	20230028089	2022-09-29	DECENTRALIZED COMPUTER SYSTEMS AND METHODS FOR EFFICIENT TRANSACTION DISPUTE MANAGEMENT USING BLOCKCHAIN	Ramesh VIJAYARAGHAVAN;	
1,157	20230013949	2022-09-29	INTERACTIVE USER INTERFACE SYSTEMS AND METHODS FOR ANALYZING TRANSACTION ATTRIBUTES AND DISPUTE INFORMATION USING BLOCKCHAIN	Ramesh VIJAYARAGHAVAN;	
1,158	20230035321	2022-09-29	SYSTEMS AND METHODS FOR HYPERLEDGER-BASED PAYMENT TRANSACTIONS, ALERTS, AND DISPUTE SETTLEMENT, USING SMART CONTRACTS	Ramesh Vijayaraghavan;	
1,159	20230014599	2022-09-28	DATA PROCESSING METHOD AND APPARATUS FOR BLOCKCHAIN SYSTEM	Maocai LI; Hu LAN; Zongyou WANG; Kaiban ZHOU; Pan LIU; Gengliang ZHU; Yifang SHI;	
1,160	20230019639	2022-09-28	SYSTEMS AND METHODS FOR BLOCKCHAIN-BASED PAYMENT TRANSACTIONS, ALERTS, AND DISPUTE SETTLEMENT, USING A BLOCKCHAIN INTERFACE SERVER	Ramesh VIJAYARAGHAVAN;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,161	20240102817	2022-09-28	Road accident detection and avoidance using blockchain	Sean Bales; Christofer Hardy;	
1,162	20240104520	2022-09-28	INDUSTRIAL SECURITY USING BLOCKCHAIN OR NFTs	Kenneth Batcher; Sharath Chander Reddy Baddam; Juergen Weinhofer; Timothy Biernat; David Vasko;	
1,163	20240104599	2022-09-28	SYSTEMS AND METHODS FOR ALLOCATING BLOCKCHAIN INCENTIVES	Samuel Rapowitz; Kevin Osborn; Xiaoguang Zhu;	
1,164	20240106888	2022-09-28	Peer-to-peer network of wireless fidelity (WiFi)-enabled vehicles for data transmission using blockchain	Sean Bales; Christofer Hardy;	
1,165	20230098747	2022-09-28	SYSTEMS AND METHODS FOR PAYMENT TRANSACTIONS, ALERTS, DISPUTE SETTLEMENT, AND SETTLEMENT PAYMENTS, USING MULTIPLE BLOCKCHAINS	Ramesh VIJAYARAGHAVAN;	
1,166	20230014959	2022-09-28	Automated System and Method for Providing Radiological Second Opinions	Michael Yuz; Alexander Krakopolsky; Dmitry Tochilnik;	USARAD HOLDINGS,INC.;
1,167	20240104438	2022-09-28	SWARM LEARNING, PRIVACY PRESERVING, DE-CENTRALIZED IID DRIFT CONTROL	MADHUSOODHANA SESHA;	
1,168	20240106666	2022-09-28	INDUSTRIAL AUTOMATION MANUFACTURING WITH NFTs AND SMART CONTRACTS	Kenneth Batcher; Sharath Chander Reddy Baddam; Juergen Weinhofer; Timothy Biernat; David Vasko;	
1,169	20240106667	2022-09-28	TOKENIZED INDUSTRIAL AUTOMATION SOFTWARE	Kenneth Batcher; Sharath Chander Reddy Baddam; Juergen Weinhofer; Timothy Biernat; David Vasko;	
1,170	20230419322	2022-09-27	METHOD AND APPARATUS FOR PROCESSING BLOCKCHAIN MESSAGES	Hwanjo HEO;	
1,171	20230119636	2022-09-27	BLOCKCHAIN METHODS, NODES, SYSTEMS AND PRODUCTS	John CONLEY; Stephanie SO;	
1,172	20240106631	2022-09-27	PRIVATE SECURE BLOCKCHAIN	DOUGLAS GROVER; Michael Angelo;	MICRO FOCUS LLC;
1,173	20240161071	2022-09-27	FAST BLOCKCHAIN PAYMENT METHOD AND SYSTEM	Sven GNAP; Kari KOSTIAINEN; Ghassan KARAME; Srdjan CAPKUN;	
1,174	20230362006	2022-09-27	SELECTING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
1,175	20230362007	2022-09-27	ESTABLISHING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
1,176	20230185767	2022-09-27	VALIDITY MANAGEMENT SYSTEM FOR DIGITAL FILE AND METHOD FOR OPERATING THE SAME	CHIA-HSIEN HUNG; JEN-WEI HU; LO-YAO YEH;	
1,177	20230026642	2022-09-27	SYSTEM AND METHOD FOR AUTONOMOUS MAPPING OF ENTERPRISE IDENTITY	Kyle Thomas; Eoin Connolly; Stefan Schmidt;	
1,178	20230092477	2022-09-26	TRUSTLESS DETERMINISTIC STATE MACHINE	Ying CHAN; Dean KRAMER;	
1,179	20230100623	2022-09-24	Safe Delivery Tower	Wassim MERHEBY;	
1,180	20230196352	2022-09-23	SYSTEM AND METHOD FOR DIGITAL FASHION ASSET MANAGEMENT THROUGH BLOCKCHAIN	Casmir PATTERSON;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,181	20230153928	2022-09-23	BLOCKCHAIN MINE AT OIL OR GAS FACILITY	Stephen Barbour;	
1,182	20230130583	2022-09-23	GAMING SYSTEMS WITH BLOCKCHAIN JACKPOTS	Stephen Shaffer, JR; Frank Rodriguez; Xiaoqiang Gong; Rajendrasinh Jadeja;	
1,183	20240106665	2022-09-23	INDUSTRIAL BLOCKCHAIN ENABLED AUTOMATION CONTROL	Kenneth Batcher; Sharath Chander Reddy Baddam; Juergen Weinhofer; Timothy Biernat; David Vasko;	
1,184	20230094849	2022-09-23	DISTRIBUTED CRYPTOGRAPHIC NETWORK INTEGRATED WITH CROWD-SOURCED DATABASE	Mani KULASOORIYA;	
1,185	20230035187	2022-09-23	CRYPTOGRAPHICALLY SECURE MECHANISM FOR REMOTELY CONTROLLING AN AUTONOMOUS VEHICLE	Antonino Mondello; Alberto Troia;	
1,186	20230017364	2022-09-23	METHOD FOR VIRTUAL ASSET TRANSMISSION	Jae OH; Hyeok CHOI;	
1,187	20240104553	2022-09-23	Content Containerization, Distribution and Administration Systems, Methods, and Computer Products	BRANDON THORPE;	Formless, Inc.;
1,188	20230118355	2022-09-22	METHOD FOR SECURE PEER-TO-PEER COMMUNICATION ON A BLOCKCHAIN	Craig Wright; Stephane Savanah;	
1,189	20240104087	2022-09-22	INDUSTRIAL BLOCKCHAIN DIGITAL TWIN CHANGE MANAGEMENT	Kenneth Batcher; Sharath Chander Reddy Baddam; Juergen Weinhofer; Timothy Biernat; David Vasko;	
1,190	20230196459	2022-09-22	SYSTEM AND METHOD FOR GENERATING, PROCESSING, AND LEDGERING EXTENSIBLE CARBON OBJECTS FOR CARBON OFFSET AND TRANSFER AND CARBON APPLICATION PROGRAMMING INTERFACE	Nick GOGERTY; Jonathan HOLLANDER; David UNGAR;	
1,191	20240104306	2022-09-22	COLLABORATION CONTENT GENERATION AND SELECTION FOR PRESENTATION	Prateek Singh; Kavitha RS; Raghav Kanojia; Gaurang Gohil;	
1,192	20240106783	2022-09-22	AUTOMATIC DETECTION, EXTRACTION, AND MEMORIALIZATION OF MEDIA CONTENT	Harsh Mendiratta;	
1,193	20240095731	2022-09-21	BLOCKCHAIN DISTRIBUTION OF TOURNAMENT REWARDS	Christopher Gonsalves; Hayder Sharhan; Ivan Solomichev; Abdullah Ozbek; Sangat Das;	
1,194	20230094247	2022-09-21	SYSTEMS AND METHODS FOR TOKENIZATION OF DIGITAL ASSETS ASSOCIATED WITH ELECTRONIC GAMING	Altay Nuhoglu;	
1,195	20230089998	2022-09-21	MULTI-CLAUSE DOCUMENT NEGOTIATION PLATFORM	Divyesh Bhakta; Anand Krishnan;	
1,196	20240094998	2022-09-21	SMART CONTRACT DISTRIBUTION INFRASTRUCTURE	Marcus BOORSTIN; Oleg ZENCHENKO; Sarah MARTIN;	
1,197	20240095225	2022-09-20	INTELLIGENTLY STORING DATA IN A FAULT TOLERANT SYSTEM USING ROBOTIC PROCESS AUTOMATION AND BLOCKCHAIN	Swetapadma Mohanty;	
1,198	20240095251	2022-09-20	EXTERNALLY VALIDATED PROOF OF WORK FOR APPENDING A BLOCK RECORD TO A BLOCKCHAIN WITH A MINING NODE	Roxana TEODOR; Peter ASHTON; Remy LYON; Siamak FAYYAZ SHAHANDASHTI;	
1,199	20240095730	2022-09-20	EXTERNALLY VALIDATED PROOF OF WORK FOR APPENDING A BLOCK RECORD TO A BLOCKCHAIN WITH A DATA BROKER SERVER	Roxana TEODOR; Peter ASHTON; Remy LYON; Siamak FAYYAZ SHAHANDASHTI;	
1,200	20230086191	2022-09-20	Systems and Methods for Token Content Unlocking, Biometric Authentication using Privacy-Protecting Tokens, Ownership-Based Limitations of Content Access, Policy-Based Time Capsule Technology, and Content Lock Mechanisms	Bjorn Jakobsson;	Artema Labs, Inc;

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#	Pub. No	Filed	Title	Inventors	Assignees
1,201	20230023857	2022-09-20	DATA PROCESSING METHOD AND APPARATUS, INTELLIGENT DEVICE, AND STORAGE MEDIUM	Tao ZHANG;	
1,202	20230015846	2022-09-20	SYSTEMS AND METHODS FOR AUTOMATED DIGITIZATION OF AND WORKFLOWS FOR DATA OBJECT MODEL	James Toffey; Frank Dimarco; Albert Hofeldt; Kristen Michaud; Andrew Chu; John Filippone;	
1,203	20230018800	2022-09-20	UNIVERSAL SUBSCRIPTION AND CRYPTOCURRENCY PAYMENT MANAGEMENT PLATFORMS AND METHODS OF USE	Robert Beadles; Sneh Bhatt;	Other;
1,204	20240095736	2022-09-19	TRANSACTION EXCHANGE PLATFORM USING BLOCKCHAIN AND DATA INTEGRITY MICROSERVICES TO VALIDATE TRANSACTION OBJECT INTEGRITY	Brian Burnett; Earle Lee;	
1,205	20240095737	2022-09-19	TRANSACTION EXCHANGE PLATFORM USING BLOCKCHAIN AND DATA INTEGRITY MICROSERVICES TO VALIDATE TRANSACTION OBJECT INTEGRITY	Brian Burnett; Earle Lee;	
1,206	20230259919	2022-09-17	REVIEW ENGINE VERIFICATION WITH NON-FUNGIBLE AUTHENTICATION TOKENS	Ian Gordon Ashley Dorward;	
1,207	20230095796	2022-09-16	METHOD FOR PIPELINED FORMATION OF A BLOCKCHAIN GUARANTEEING TRANSACTION LIVENESS	Antonella DEL POZZO; Sara TUCCI;	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES;
1,208	20230092547	2022-09-16	CONSENSUS FOR A BLOCKCHAIN VALIDATION	Matteo SIGNORINI; Matteo PONTECORVI;	
1,209	20230013894	2022-09-16	SYSTEMS AND METHODS FOR FEATURE-BASED RATING VIA BLOCKCHAIN	William Leise; Douglas Graff; Stacie McCullough; Shawn Call; Eric` Bellas; Jaime Skaggs; Jacob Alt; Eric Moore; Vicki King;	
1,210	20230012779	2022-09-16	ELECTRONIC DEVICE AND CONTROL METHOD THEREOF	Junbum SHIN; Jihoon PARK;	
1,211	20240096070	2022-09-16	METHODS AND SYSTEMS FOR GENERATING AND PROCESSING DIGITAL IMAGES ASSOCIATED WITH NON-FUNGIBLE TOKENS	Michael De Leon Figge; Randy Chia-Wei Chung; Joseph Young Jim Kim;	
1,212	20230004657	2022-09-15	BLOCKCHAIN SECURITY SYSTEM	Yue Li; Theodore Harris; Tatiana Korolevskaya;	
1,213	20230362005	2022-09-15	UTILIZING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
1,214	20230298712	2022-09-15	SERVER AND METHOD FOR PROVIDING USER-SOVEREIGN MEDICAL DATA SHARING AND TRANSACTION SERVICE	Bumhwi KIM; Kyu KIM;	
1,215	20230016373	2022-09-15	TRACKING SYSTEM, TRACKING METHOD, AND RECORDING MEDIUM	Takuma KASAMATSU;	
1,216	20240070653	2022-09-15	Avatar Carrier Generating System for Metaverse and Method Thereof	Tom-Hwar Cho; Li-Chen Yen; Chuan-Cheng Chiu;	
1,217	20240091653	2022-09-15	Anonymous Leaderboard Based on Non-Fungible Tokens	Sneha Kanaujia; Al Chakra; Bryan Childs; GREGORY CREMINS; Travis Biro; Andrew C M. Hicks; Cecilia Lewis; Peter Spera;	
1,218	20240095864	2022-09-15	Blockchain-Enabled Non-Fungible Token (NFT) Application in Public Transit	Oliver BM. Garcia;	
1,219	20230186262	2022-09-14	Systems, Methods, and Apparatus that Provide Immutable and Expandable NFTs Stored Completely On a Blockchain	James Busch;	
1,220	20230008881	2022-09-14	BLOCKCHAIN CONTROLLED MULTI-CARRIER AUCTION SYSTEM FOR USAGE-BASED AUTO INSURANCE	Matthew Floyd;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,221	20240085199	2022-09-14	SMART ROAD SALT DISTRIBUTION SYSTEM WITH BLOCKCHAIN NETWORK	Mahmoud Ghannam; Noha Ghannam;	
1,222	20230044241	2022-09-14	CollectiveBuying.io	David Beard;	
1,223	20230004542	2022-09-14	METHOD AND APPARATUS FOR PUBLISHING SMART CONTRACT,COMPUTER-READABLE MEDIUM,AND ELECTRONIC DEVICE	Bo FU; Maocai LI; Wei SHI; Li KONG; Yanxue CHONG; Yehui HUANG; Jiangwei TI; Jiahui CUI;	
1,224	20230004969	2022-09-14	SYSTEM AND TECHNIQUES FOR UTILIZING A SMART CONTRACTS LIBRARY	Stephen WYLIE; Qiaochu TANG;	Capital One Services, LLC;
1,225	20240086949	2022-09-14	Geoscalar Polling System	Seth Priebatsch; Christopher Lehman;	
1,226	20230005074	2022-09-13	BLOCKCHAIN CONTROLLED MULTI-CARRIER AUCTION SYSTEM FOR USAGE-BASED AUTO INSURANCE	Matthew Floyd;	
1,227	20230006839	2022-09-13	APPARATUS, SYSTEM, AND METHOD OF PROVIDING SERVICES	Takuma KASAMATSU;	
1,228	20240089091	2022-09-13	SECURE CRYPTOGRAPHIC TRANSFER USING MULTIPARTY COMPUTATION	Dexter FERGUSON; Christian WISKUR;	Capital One Services, LLC;
1,229	20230004841	2022-09-12	MANAGING INFORMATION FOR MODEL TRAINING USING DISTRIBUTED BLOCKCHAIN LEDGER	Kevin Gidney;	
1,230	20230004982	2022-09-12	TRACING FLOW OF TAGGED FUNDS ON A BLOCKCHAIN	Keagan McClelland; Matthew Hill; Aiden McClelland;	
1,231	20230006882	2022-09-12	METHOD AND SYSTEM FOR NODE DISCOVERY AND SELF-HEALING OF BLOCKCHAIN NETWORKS	Steven DAVIS;	
1,232	20230289425	2022-09-12	SYSTEM AND METHODS FOR SECURE INTERACTIONS USING PERSONAL NON - FUNGIBLE TOKENS	Steve Doumar; David Teodosio;	
1,233	20240086549	2022-09-12	SYSTEMS AND METHODS FOR USER CHARACTERISTIC DETERMINATION THROUGH CRYPTOGRAPHIC TOKENIZED DATA	Samuel RAPOWITZ; Julian DUQUE; Purva SHANKER; Dennis LIU;	Capital One Services, LLC;
1,234	20240086910	2022-09-12	SYSTEM AND METHOD FOR TRACKING AND CONTROLLING PRINT CARTRIDGE OWNERSHIP TRANSFERS USING NON-FUNGIBLE TOKENS	Milong Sabandith;	
1,235	20240089105	2022-09-12	SYSTEMS AND METHODS FOR USER CONTROL AND EXCLUSION OF CRYPTOGRAPHIC TOKENIZED DATA	Julian DUQUE; Purva SHANKER; Samuel RAPOWITZ; Dennis LIU;	Capital One Services, LLC;
1,236	20230006834	2022-09-11	Blockchain With Daisy Chained Records	Kelce Wilson;	
1,237	20240086873	2022-09-09	METHODS AND SYSTEMS FOR FACILITATING SHARING OF TOKENS IN BLOCKCHAIN TRANSACTIONS	Ben Riva; Sujay Purandare;	
1,238	20230006842	2022-09-09	BLOCKCHAIN-BASED DATA PROCESSING METHOD AND APPARATUS, COMPUTER DEVICE, COMPUTER-READABLE STORAGE MEDIUM, AND COMPUTER PROGRAM PRODUCT	Zhang WANG; Yixin GUO; Dezhi WEI; Zhaochuang WANG; Xiaoqiang QIAO; Youwei LIU;	TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED;
1,239	20240089104	2022-09-09	SYSTEMS AND METHODS FOR GENERATING AND MANAGING TOKENS FOR AUTHENTICATED ASSETS	Nicole Reineke; Rodrigo Ferreira; Denis Leconte; Gregory Maratea; Gabriel Nguyen; William Allen;	IRON MOUNTAIN INCORPORATED;
1,240	20230004966	2022-09-08	SYSTEMS AND METHODS FOR BLOCKCHAIN BASED PROOF AND PAYMENT	Sastry Durvasula; Andras Ferenczi; Sathish Muthukrishnan; Vishnuvajhala Subrahmanyam;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,241	20230006846	2022-09-08	DATA PROCESSING METHOD AND APPARATUS BASED ON BLOCKCHAIN NETWORK	Gengliang Zhu;	Tencent Technology (Shenzhen) Company Limited;
1,242	20240089128	2022-09-08	BLOCKCHAIN MONITORING PLATFORM	Louis Vialar; Nils Amiet; Nathan Hamiel;	NAGRAVISION SARL;
1,243	20230006831	2022-09-07	INTEGRATING BIOMETRIC DATA ON A BLOCKCHAIN SYSTEM	Zackary Irani-Cohen;	
1,244	20240078297	2022-09-07	Secure data transfer in a virtual environment using blockchain	Sheetal Bhatia; Sandeep Chauhan;	
1,245	20240097912	2022-09-07	BLOCKCHAIN VERIFICATION OF DIGITAL CONTENT ATTRIBUTIONS	Matthew Gould; Lisa DeLuca; Braden Pezeshki;	
1,246	20230072988	2022-09-06	SYSTEM AND A METHOD FOR AUTOMATIC GENERATION OF SMART CONTRACTS ACROSS BLOCKCHAIN PLATFORMS	Biju Mathews; Sanjeev Madhavan; Karthik Ganti; Chakkirala Venkata Sai Kalyani; Agnelo Marques;	
1,247	20240078537	2022-09-06	METHODS AND SYSTEMS FOR USAGE-CONDITIONED ACCESS CONTROL BASED ON A BLOCKCHAIN WALLET	Nicole SANDFORD;	Shopify Inc.;
1,248	20240078536	2022-09-06	SYSTEMS AND METHODS USING DIGITAL ASSETS	Ivan Dashkov;	
1,249	20240080210	2022-09-06	SYSTEMS AND METHODS FOR A DIGITAL REGISTER OF MODELS MONITORING CHANGES IN ACCURACY OF ARTIFICIAL INTELLIGENCE MODELS	Samuel SHARPE; Galen RAFFERTY; Brian BARR; Austin WALTERS; Jeremy GOODSITT; Kenny BEAN;	Capital One Services, LLC;
1,250	20230070389	2022-09-03	SYSTEM AND METHOD FOR CREATING NFT FROM PHYSICAL ASSET AND VALIDATING AUTHENTICITY OF NFT ASSOCIATED ASSET	SRINIVASAN MADHUSUDHAN; Gururaja Narayana; KALIRAJ MANIAN;	
1,251	20230214870	2022-09-02	CONSUMER DATA AND PRIVACY CONTROLS IN A SOCIAL NETWORKING ENVIRONMENT	Richard Postrel;	
1,252	20240080191	2022-09-01	COLLABORATIVE COMPUTATION ACROSS BLOCKCHAIN NETWORKS	Dhinakaran Vinayagamurthy; Krishnasuri Narayanam; Venkatraman Ramakrishna; Ermyas Abebe; Angelo De Caro; Yining Hu; Vinayaka Pandit;	
1,253	20240078574	2022-09-01	SYSTEM AND METHOD FOR A FAIR MARKETPLACE FOR TIME-SENSITIVE AND LOCATION-BASED DATA	JAKE DORAN; XANDER VAN DER HEIJDEN; BULENT OZEL; EMRE TURAN;	
1,254	20240070684	2022-08-31	BLOCKCHAIN SYSTEMS AND METHODS FOR VERIFYING THE CERTIFICATIONS AND THE AUTHENTICITY OF COMMERCIAL PRODUCTS	Mike Horia Mihail Teodorescu; Atif Rakin; Gelu Comanescu;	SURGIBOX INC.;
1,255	20230019573	2022-08-31	SYSTEM AND METHODS FOR BUILDING A DIGITAL ASSET BASED SOCIAL MEDIA APPLICATION AND REWARD PLATFORM	Alexander DiNunzio; Jason Ciruolo; Brian Weaver; Brandon Groeger;	
1,256	20240070037	2022-08-31	Multi-Computer System for Maintaining Application Programming Interface Stability with Shared Computing Infrastructure	Saurabh Arora; Sandeep Chauhan;	
1,257	20240070659	2022-08-30	SYSTEMS AND METHODS FOR FACILITATING BLOCKCHAIN OPERATIONS ACROSS MULTIPLE BLOCKCHAIN NETWORKS USING A DECENTRALIZED EXCHANGE	Kenzan BOO; Kim BUI; Mansi PRAKASH; Steve GODLEWSKI;	Coinbase, Inc.;
1,258	20230131970	2022-08-29	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR AUTHORISING BLOCKCHAIN TRANSACTIONS WITH LOW-ENTROPY PASSWORDS	Silvia BARTOLUCCI; John FLETCHER;	
1,259	20220414090	2022-08-29	BLOCKCHAIN DATA INDEX METHOD, BLOCKCHAIN DATA STORAGE METHOD AND DEVICE	Weiwei QIU; Wei LI; Liang CAI; Fanglei HUANG; Xiaomin MA;	
1,260	20230060916	2022-08-26	EFFICIENT EXECUTION OF BLOCKCHAIN SMART CONTRACTS USING CLOUD RESOURCE PRIMITIVES	Timothy Wagner;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
1,261	20220406474	2022-08-26	STABLE HEALTHCARE BLOCKCHAIN TOKENS AND METHODS OF USING SAME	Christ Pavlatos; Anirban Majumdar;	
1,262	20240073017	2022-08-26	Methods, Devices, and Systems of Using Blockchain to Track Proof-of-Viewing	Avi Fruchter; Jonathan Segal; Bayla Hirsch; Benjamin Samways; Ariel Luwisch; Mercedes Bouhsira;	
1,263	20230062434	2022-08-26	EFFICIENT AND SECURE BLOCKCHAINS USING CLOUD RESOURCE PRIMITIVES	Timothy Wagner;	
1,264	20240070273	2022-08-26	SYSTEMS, DEVICES, AND METHODS FOR GENERATING CYBERSECURITY THREAT INTELLIGENCE	Fahad ALMOGBIL; Rakan YAMANI;	SAUDI ARABIAN OIL COMPANY;
1,265	20240073041	2022-08-26	METHOD AND SYSTEM FOR PIPE COMPONENT MANAGEMENT USING DISTRIBUTED LEDGER TECHNOLOGY	Aqeel Alsadah; Mohammed Aboulsamh; Abdulaziz Almuhaisin;	SAUDI ARABIAN OIL COMPANY;
1,266	20230060241	2022-08-25	DOCUMENT INTEGRITY PROTECTION	Florian WEIGAND;	
1,267	20230062427	2022-08-25	METHOD AND SYSTEM FOR PROTECTION AGAINST COUNTERFEITING	Yury Shapshal;	
1,268	20230057877	2022-08-25	CONSUMER - ORIENTED ADAPTIVE CLOUD CONVERSATION PLATFORM	Matthew DiMaria; Matthew Moller; Shannon Lekas;	
1,269	20220406012	2022-08-25	SYSTEMS AND METHODS FOR CONTROLLING A FLEET OF DRONES FOR DATA COLLECTION	Matthew Floyd;	
1,270	20240070166	2022-08-25	MINIMIZING READ AND UPDATE CONFLICT ERRORS IN BLOCKCHAINS	CARLO INNOCENTI;	
1,271	20240070683	2022-08-25	METHOD AND SYSTEM FOR PROTECTION AGAINST COUNTERFEITING	Yury Shapshal;	
1,272	20240070768	2022-08-25	BIDDER BUYER POOL SYSTEM	Peter Grisham;	
1,273	20240073014	2022-08-25	SYSTEM CONFIGURATION BASED ON SMART CONTRACTS	Suryatej Gundavelli; Michael Jim Tien Chan; Mehak Jethmalani; Oluwatomisin Jenrola; Stephanie Desanges; Oliver Vanzant;	
1,274	20230059384	2022-08-24	ZERO KNOWLEDGE BLOCKCHAIN ATTRIBUTION	Andrew Knox;	
1,275	20220407729	2022-08-24	DATA PROCESSING METHOD AND APPARATUS, DEVICE, AND MEDIUM	Yu ZHANG; Kai GUO; Tengfei XUE; Mengmeng ZHOU; Lei WANG; Yue YU;	Huawei Cloud Computing Technologies Co., Ltd.;
1,276	20240070305	2022-08-24	SYSTEMS AND METHODS FOR BLOCKCHAIN-BASED NON-FUNGIBLE TOKEN (NFT) AUTHENTICATION	Luke JURAT; Vuk RADOICIC; Stefan LAZOVIC; Brandon CASTRO; Jeffrey POLI;	
1,277	20240070711	2022-08-24	SMART CONTRACT-INTEGRATED KEYBOARD DATA COLLECTION AND REWARDS SYSTEM	Jorge Checo;	
1,278	20230115684	2022-08-23	METHODS AND SYSTEMS FOR USING NON-FUNGIBLE BLOCKCHAIN TOKENS (NFTS) FOR ADDING VALUE TO PHYSICAL PRODUCTS	nicholas JUNTILLA;	
1,279	20220405844	2022-08-23	METHOD AND SYSTEM FOR PEER-TO-PEER ELECTRICITY TRADING BASED ON DOUBLE-LAYER BLOCKCHAIN	Kaile ZHOU; Hengheng XING; Dingding HU; Zenghui ZHANG;	
1,280	20240073042	2022-08-23	SYSTEMS AND METHODS FOR USING BLOCKCHAIN TO SECURE DATA ACQUIRED IN SURGICAL AND OTHER MEDICAL PROCEDURES	Mike Horia Mihail Teodorescu; Atif Rakin; Gelu Comanescu;	SURGIBOX INC.;

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#	Pub. No	Filed	Title	Inventors	Assignees
1,281	20240013199	2022-08-23	METHODS AND SYSTEMS FOR PRE-VALIDATING TOKEN-BASED ACCESS CONTROL	Brent MARSHALL; Nicole SANDFORD;	Shopify Inc.;
1,282	20220405750	2022-08-23	NETWORK CONFIGURATION MANAGEMENT FOR NETWORKED CLIENT DEVICES USING A DISTRIBUTED LEDGER SERVICE	Jay FALLAH; Kristopher BYRNE; Kevin OERTON; Josef ZANKOWICZ; Scott RANKINE;	
1,283	20230055064	2022-08-22	CROSS-CHANNEL BLOCKCHAIN SOLUTIONS FOR GAMING SYSTEMS	Mili Dalmia; Sunil Somanna T S; Ramesh Mathiyalagan;	
1,284	20220405745	2022-08-22	BLOCKCHAIN BASED MACHINE TASK ACCESS AND AUTHENTICATION	Sterling PRATZ; Orang TABIBIAN; George MELVIN; Khalid EL-AWADY; Mark McCabe;	Car IQ, Inc.;
1,285	20220393880	2022-08-22	CREDENTIALED BLOCKCHAIN PARTICIPATION	Patrick Meehan;	
1,286	20240064032	2022-08-22	SYSTEMS AND METHODS FOR MANAGING METRICS IN BLOCKCHAIN NETWORKS	Sarah Cunningham; John Jones; Leeyat Tessler; James Crews; Zachary Toal; Jesse Do; Mario Munoz; Rocky Guo; Catherine Sun;	
1,287	20220398620	2022-08-22	SYSTEMS AND METHODS FOR LOYALTY POINT DISTRIBUTION	Sastry Durvasula; Andras Ferenczi; Harish Naik; Vishnuvajhala Subrahmanyam;	
1,288	20220405767	2022-08-19	USER CONTROLLED SHARING OF PERSONAL AND CONTACT INFORMATION USING A BLOCKCHAIN	Srinivas Ambikapathi;	
1,289	20230091805	2022-08-19	SECURITIZATION OF ASSETS UTILIZING DISTRIBUTED-LEDGERS & SMART METERS AND A USER PERMISSION FRAMEWORK FOR INFORMATION FLOW	Darren Wolfberg;	
1,290	20240061951	2022-08-19	PATIENT CARE RECORD MANAGEMENT SYSTEM	Arun Innanje; Abhishek Sharma; Benjamin Planche; Meng Zheng; Shanhui Sun; Ziyan Wu; Terrence Chen;	Shanghai United Imaging Intelligence Co., LTD.;
1,291	20240062178	2022-08-19	GOLF SYSTEMS AND METHODS USING DIGITAL ASSETS	Michael McDonnell; Bryce Hobbs; Ryan Roach;	
1,292	20240064132	2022-08-19	STREAMLINED AND PRIVACY PROTECTED DATA FLOWS FOR ENTITY ONBOARDING WITH ONLINE DATA PLATFORMS	George Chen Kaidi; Bipin Kesapur; Sreeram Vasudevan; Rajasekaran Radhakrishnan;	
1,293	20240062280	2022-08-18	Method and System for Energy Transaction Platform	Neetika SATHE; Abhinav TIWARI; Anastasia BOUTZIOUVIS; Adam EPSTEIN; Nitin BAJAJ; Geri YIN; Hamza MORTAGE; Ranveer REEHAL; Curtis MILES;	
1,294	20230069875	2022-08-17	SELF-CUSTODY WALLET COMBINATION PAYMENT CARD FOR PAYMENT CARD NETWORK AND BLOCKCHAIN TRANSACTIONS	Mohammed Ahmad;	
1,295	20240064031	2022-08-17	METHOD FOR INTEGRATING BLOCKCHAIN NODE COMPLIANCE DATA WITHIN BLOCKCHAIN TRANSACTION DATA	John Gwilliams; Sultan Alsharif;	
1,296	20230177530	2022-08-17	SYSTEM AND METHOD FOR GENERATING MEASURABLE SOCIAL IMPACT	Paul Turner; Arlo Vegan; Adrian Bernard;	
1,297	20230055736	2022-08-17	SYSTEM AND METHOD FOR A DISTRIBUTED LEDGER TRACKING ANIMALS	Justin Oberg;	Pondata LLC;
1,298	20230056836	2022-08-17	SYSTEM AND METHOD TO PRESERVE USER'S PRIVACY IN A VEHICLE MILES TRAVELED SYSTEM	Jaime Borras; Wyatt Geist;	
1,299	20220393881	2022-08-17	AUTONOMOUS EXCHANGE VIA ENTRUSTED LEDGER DIGITAL SIGNATURE MANAGEMENT AND ADMINISTRATION	Benedict Ow; Richard Stiles; Anthony Tan;	Devon Corporation;
1,300	20220391360	2022-08-16	IMAGE BLOCKCHAIN SYSTEM AND METHOD	Ajit Patil; Atindra Ghosh; Balkrishna Pangam;	Visa International Service Association;

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#	Pub. No	Filed	Title	Inventors	Assignees
1,301	20230058598	2022-08-16	SYSTEM AND METHOD FOR A DISTRIBUTED LEDGER TRACKING ANIMALS	Robert Jennings;	
1,302	20230004959	2022-08-16	CONTROL METHOD, CONTROL DEVICE, AND RECORDING MEDIUM	Naohisa NISHIDA; Yuji UNAGAMI;	
1,303	20220391902	2022-08-16	CONTROL METHOD, CONTROL DEVICE, AND RECORDING MEDIUM	Naohisa NISHIDA; Yuji UNAGAMI;	
1,304	20230065042	2022-08-15	BLOCKCHAIN MARKETPLACE FOR DEBT CAPITAL	Tiffany LI; Samuel WELLER; Arsh KOCHAR; Alifiyah HUSSAIN; Endri MANI; Alexander DOMENICK;	
1,305	20230308302	2022-08-15	DATA TRANSFER SYSTEM AND DATA TRANSFER METHOD	Shinsuke HASEGAWA;	
1,306	20230216693	2022-08-15	METHOD AND APPARATUS OF DIGITAL IDENTITY CLAIMS VERIFICATION USING NFC-ENABLED AND HCE-ENABLED SMART DEVICES	Shyam SINGH; Arshad KHAN; Riad SOUISSI;	
1,307	20220391990	2022-08-15	BLOCKCHAIN-BASED SYSTEMS AND METHODS FOR SELF-MANAGED PEER GROUP INSURANCE	Matthew Floyd;	
1,308	20220394026	2022-08-15	NETWORK IDENTITY PROTECTION METHOD AND DEVICE, AND ELECTRONIC EQUIPMENT AND STORAGE MEDIUM	Wenyin LIU; Chao MAI; Xiangbin XIAN; Hongwen WU;	
1,309	20230109846	2022-08-13	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR SERIALISATION OF ARITHMETIC CIRCUITS	Alexandra COVACI; Patrick MOTYLINSKI; Simone MADEO; Stephane VINCENT; Craig WRIGHT;	
1,310	20230050782	2022-08-12	SERVER SYSTEMS AND METHODS FOR VALUING BLOCKCHAIN TOKENS BASED ON ORGANIZATIONAL PERFORMANCE	Michel Pacifico; Cree Finnikin;	
1,311	20220391897	2022-08-12	METHOD AND SYSTEM FOR BLOCKCHAIN TRANSACTION CONFIRMATION FOR SMALL MERCHANTS	Saugandh DATTA; Awinash PANDEY; Sandeep PARVATHAREDDY; Chandan GARG;	
1,312	20230046551	2022-08-12	MULTI-MODAL SENSING BLOCKCHAINS USING FOWLER-NORDHEIM SENSOR DATA LOGGER	Shantanu Chakrabartty;	
1,313	20220383320	2022-08-12	CONTROL METHOD, CONTROL DEVICE, AND RECORDING MEDIUM	Naohisa NISHIDA; Yuji UNAGAMI;	
1,314	20240029157	2022-08-12	SECURE AND TRUSTWORTHY CROSSING NETWORK FOR TRANSFERRING ASSETS OUTSIDE OF EXCHANGE	Yuqun Chen; Xander Dunn; Michael Kaplan; Bernard Wong; Emin Sirer; David Wells; Phil Wirtjes; Oliver Hopcroft; Stephen Bezek;	
1,315	20240056425	2022-08-12	Provisioning secured data access to authorized users through light fidelity (LiFi) data transmission and a virtual reality device	Raja Arumugam Maharaja;	
1,316	20220382746	2022-08-11	BLOCKCHAIN NOTIFICATION BOARD STORING BLOCKCHAIN RESOURCES	Futoshi Iwama; Takaaki Tateishi; Shunichi Amano; Sachiko Yoshihama;	
1,317	20230119838	2022-08-11	GAME PLATFORM USING PLAYER TOKEN NFTS AND METHODS FOR USE THEREWITH	Mark Meyers; Bruce Stuckman; John Howard; Brian Howard; Gregory Meador;	Galiant Arts, LLC;
1,318	20230084599	2022-08-11	SYSTEM AND METHOD FOR MANAGING INVENTORY AND DISTRIBUTION OF HOTEL ROOMS BY MULTIPLE BROKERS USING AN ONLINE INTERFACE	Mark Gregorek; Alexandra Gregorek;	
1,319	20230168944	2022-08-10	SYSTEMS AND METHODS FOR AUTOMATED STAKING MODELS	Michael KARLIN; Daniel ZANGER; Ariel KATZ;	MarketX LLC;
1,320	20220384027	2022-08-09	TRACKING AND REWARDING HEALTH AND FITNESS ACTIVITIES USING BLOCKCHAIN TECHNOLOGY	Robert Kaleal, III; Dominic Carbone, JR;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,321	20220385487	2022-08-09	SYSTEMS AND METHODS FOR CORRELATING CRYPTOGRAPHIC ADDRESSES BETWEEN BLOCKCHAIN NETWORKS	Jacob TARNOW;	
1,322	20230092738	2022-08-09	SYSTEMS AND METHODS OF FACILITATING DIGITAL RATINGS AND SECURED SALES OF DIGITAL WORKS OF ART	Danny Rittman; Mo Jacob;	
1,323	20230037728	2022-08-09	SOFTWARE, METHODS, AND SYSTEMS FOR BLOCKCHAIN-RECORDED TRANSACTIONS OF REAL-WORLD ASSETS	John MARKS;	
1,324	20230045080	2022-08-09	ESTABLISHING COLLABORATIVE BREEDING PARAMETERS AND OWNERSHIP RIGHTS VIA UNIQUE IDENTITY ASSET MARKERS, AND RELATED SOFTWARE, METHODS, AND SYSTEMS	John MARKS;	
1,325	20240054488	2022-08-09	SYSTEMS AND METHODS FOR GENERATING AGGREGATE RECORDS	Lin Ni Lisa Cheng; John Fields; Wade Rance; Alexis Howard;	
1,326	20240056465	2022-08-09	SYSTEM AND METHOD OF MANAGING AND AUDITING TRAINING DATA BASED ON DISTRIBUTED LEDGER TECHNOLOGY	Logan Spears; Carlos Anchia;	Sixgill, LLC;
1,327	20230044043	2022-08-08	METHOD AND SYSTEM FOR AUTOMATED GRADING AND TRADING OF NUMISMATICS AND TRADING CARDS	Mike Johnson;	Coin and Card Auctions, Inc.;
1,328	20230139312	2022-08-07	Website Integrity and Date of Existence Verification	Kelce Wilson;	
1,329	20230043223	2022-08-05	Methods for Securely Adding Data to a Blockchain Using Dynamic Time Quanta and Version Authentication	Bjorn Jakobsson;	Artema Labs, Inc;
1,330	20240013201	2022-08-05	IN-GAME CRYPTOCURRENCY WALLETS	Max Holmes; Braydon Batungbacal;	
1,331	20230145936	2022-08-05	STORAGE DEVICE, STORAGE SYSTEM HAVING THE SAME AND METHOD OF OPERATING THE SAME	Minho Kim; Younsung Chu;	
1,332	20230039832	2022-08-05	METHOD AND SYSTEM FOR TRANSACTION OF DIGITAL ASSET	Yooho KIM;	LINE Corporation;
1,333	20220383417	2022-08-05	SYSTEM AND METHOD OF PROVIDING AND RECORDING PERSONALIZED CONTEXT-SPECIFIC ADVICE IN THE FORM OF AN ARTIFICIAL INTELLIGENCE VIEW OF A HIERARCHICAL PORTFOLIO	Mark CUMMINGS;	
1,334	20220374876	2022-08-04	METHOD FOR ROUTING TO MESH NETWORK CONTENT UTILIZING BLOCKCHAIN TECHNOLOGY	Austin WALTERS; Jeremy GOODSITT; Fardin ABDI TAGHI ABAD;	Capital One Services, LLC;
1,335	20240163121	2022-08-04	BLOCKCHAIN CONSENSUS METHOD, APPARATUS, AND DEVICE, AND STORAGE MEDIUM	Yan HUANG; Qinglin HU; Yu ZHOU; Weihuai LIU; Jingxiu HU; Xu LE; Yuzhuang XU; Hehe WANG; Zhaoye XU;	
1,336	20230362004	2022-08-04	GENERATING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
1,337	20240047023	2022-08-04	SYSTEM AND METHOD FOR FACILITATING MANAGEMENT OF MEDICAL AND IMMUNIZATION HISTORY OF USERS	Saroj Gupta; Abhimanyu Gupta;	
1,338	20230040377	2022-08-03	AUTONOMOUS DISTRIBUTED WIDE AREA NETWORK HAVING CONTROL PLANE AND ORDER MANAGEMENT ON A BLOCKCHAIN	Paul Valenzuela; Christian Martinez;	
1,339	20230069004	2022-08-02	ELECTRIC VEHICLE CHARGING STATION MANAGEMENT METHOD USING BLOCKCHAIN	Hong-Tzer Yang; Yu-Jin Lin; Danwei Shao;	Guochuang Innovation Center of Mobile Energy (Jiangsu) Co.,Ltd.; Wanbang Star Charge Technology Ltd.; Wanbang Digital Energy Co., Ltd.;
1,340	20240046249	2022-08-02	METHODS AND SYSTEMS FOR LINKING DIGITAL WALLETS ON A BLOCKCHAIN NETWORK	Randy Chia-Wei Chung; Jonathan Wang; Michael De Leon Figge;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,341	20240046607	2022-08-02	IMAGE ANALYSIS MACHINE LEARNING SYSTEMS AND METHODS TO IMPROVE DELIVERY ACCURACY	Leeyat Tessler; Tyler Maiman; Phoebe Atkins;	
1,342	20240039938	2022-08-01	IOT Blockchain DDOS Detection and Countermeasures	Rani Yadav-Ranjan; Arthur Brisebois; Serene Banerjee;	
1,343	20240037092	2022-07-29	CONFIDENTIAL BLOCKCHAIN DATABASE	Ronald John Kamiel Euphrasia BJONES; Wei-Lun TSAI; Mark RUSSINOVICH; Sylvan CLEBSCH; Amaury Pierre Paul CHAMAYOU;	
1,344	20230045071	2022-07-29	Physical Non-Fungible Tokens (pNFT) Certificates of Ownership	Khaled Kalaldeh; Tawfiq A T Sa'deddin;	
1,345	20230016360	2022-07-29	SECURE RE-USE OF PRIVATE KEY FOR DYNAMIC GROUP OF NODES	John FLETCHER; Thomas TREVETHAN; Marco BARDOSCIA;	
1,346	20220380048	2022-07-29	RECORDING DATA ASSOCIATED WITH AN UNMANNED AERIAL VEHICLE	SYED ALI; LOWELL DUKE; ZEHRA AKBAR; SYED MOHAMMAD AMIR HUSAIN;	
1,347	20240037539	2022-07-29	METHODS AND A SYSTEM FOR MANAGING AND INTEGRATING NON-FUNGIBLE TOKENS (NFTS)	Bryan Nonni; Alexander Lewin; Brent Zucker;	
1,348	20240037543	2022-07-29	SYSTEMS AND METHODS FOR ENTITY LABELING BASED ON BEHAVIOR	Alex REEVE; Harrison DAHME; Linwei CHEN; Akash SHAH; Ming JIANG; Sid SHEKHAR; Zhicong LIANG;	Coinbase, Inc.;
1,349	20230091605	2022-07-28	ACCESSING AN INTERNET OF THINGS DEVICE USING BLOCKCHAIN METADATA	Stephane VINCENT; Craig WRIGHT;	
1,350	20230267513	2022-07-28	AI AND BLOCKCHAIN-BASED WAREHOUSE USE SYSTEM AND METHOD OF USING WAREHOUSE USING THE SAME	Eun JUNG;	
1,351	20230034621	2022-07-27	MINTING, TRANSFER AND MANAGEMENT OF NON-FUNGIBLE TOKENS IN SETS	Rene PARDO;	
1,352	20220368994	2022-07-27	METHOD AND APPARATUS FOR INTERACTIVE TELEVISION GUIDES AND PROGRAM RULES	Viva Chu;	
1,353	20240037530	2022-07-27	Dynamic NFT-Based Frictionless Transaction System	Maneesh Sethia;	
1,354	20240039721	2022-07-26	USING NON-FUNGIBLE TOKENS (NFTS) TO SECURELY STORE AND SHARE ENCRYPTED DATA	Andre YOUNG; Clayton JOHNSON; Cara WEIKEL; Judith RODRIGUEZ;	Capital One Services, LLC;
1,355	20220407728	2022-07-25	SYSTEMS AND METHODS FOR PROCESSING BLOCKCHAIN TRANSACTIONS	Paul Snow;	Inveniam Capital Partners, Inc.;
1,356	20230214398	2022-07-25	Data Privacy Management & Compliance Using Distributed Ledger Technology	Edmund Kazmierczak; Steve Melnikoff; David Ritter;	
1,357	20220358902	2022-07-25	SYSTEM FOR LEDGER AND PARAMETRIC MARKETPLACE FOR ALGORITHMIC CONTENT CREATIONS	Eric Zavesky; James Pratt; Jason Decuir; Robert Gratz;	AT&T Intellectual Property I, L.P.;
1,358	20220360459	2022-07-25	METHOD OF QUERYING DATA, METHOD OF WRITING DATA, ELECTRONIC DEVICE, AND READABLE STORAGE MEDIUM	Bo JING;	
1,359	20220360458	2022-07-24	CONTROL METHOD, INFORMATION PROCESSING APPARATUS, AND NON-TRANSITORY COMPUTER-READABLE STORAGE MEDIUM FOR STORING CONTROL PROGRAM	Ryu Shinzaki; Fumiya Kobayashi; Shun Ishihara; Junya Hiramatsu; Yusuke Kuchiwaki;	FUJITSU LIMITED;
1,360	20230110433	2022-07-21	SYSTEM AND METHOD OF MULTI-ROUND TOKEN DISTRIBUTION USING A BLOCKCHAIN NETWORK	Silvia BARTOLUCCI; Daniel JOSEPH;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,361	20230066169	2022-07-21	METHOD AND APPARATUS FOR DISTRIBUTED CONSENSUS IN CONSIDERATION OF SHARE PROPORTIONS OF NODES AND METHOD OF GENERATING BLOCKCHAIN USING THE SAME	Jin-Tae OH; Ki-Young Kim; Young-Chang Kim;	
1,362	20230024190	2022-07-21	INTEGRATED METHOD FOR UPLOADING DATA ON A BLOCKCHAIN	Chu Kai; Shih-Pu Huang;	
1,363	20220358498	2022-07-21	Recommending Conditions for Blockchain-Enforced Contracts	Brian Mullins; Kay Feker; Steffano Chavez; Michael Tomkins; Nicole Maulino; Ryan Yi-Lin Tai;	
1,364	20220358502	2022-07-21	MERCHANT VERIFICATION IN AN EXCHANGE ITEM MARKETPLACE NETWORK	Josh Metnick; Conrad Barski;	Raise Marketplace, LLC;
1,365	20240029034	2022-07-20	Generating Smart Contracts for Electronic Notarization Using Synthetically Generated Invisible Fingerprint Metadata	Sakshi Bakshi; Durga Kutthumolu;	
1,366	20230334470	2022-07-19	BLOCKCHAIN INTEROPERABILITY SYSTEM FOR NATIVE ASSET CREATION	Andrew Beller; Prateek Shah;	
1,367	20220376919	2022-07-19	Blockchain-enabled secure messaging system, device, and method using blockchain validation and biometric authentication	Lisa Goshon;	
1,368	20220353346	2022-07-19	SYSTEM AND METHOD FOR CONTINUOUS TRACKING OF MEDIA PLAYBACK USING BLOCKCHAIN	Pouria Assadipour; Andrew Batey; Morgan Hayduk;	Beatdapp Software Inc.;
1,369	20230351369	2022-07-19	METHODS AND SYSTEMS FOR ACCESS CONTROL IN A COMPUTING SYSTEM BASED ON VERIFIED EVENT RECORD	John Jong-Suk LEE;	Shopify Inc.;
1,370	20230022234	2022-07-19	Physical Item Control	Stephen Gu; Yang Li; Tyler Sullberg; Max Einhorn;	4k.com Corporation;
1,371	20230005033	2022-07-19	END-TO-END FOOD DELIVERY ECOSYSTEM	Amit Thawait;	
1,372	20240028417	2022-07-19	EXECUTING FEDERATED WORKFLOWS FROM EDGE TO CORE	SATHYANARAYANAN MANAMOHAN; SATISH MOPUR; KRISHNAPRASAD SHASTRY; RAVI SARVESWARA;	
1,373	20240028676	2022-07-19	VOICE AND FACE BANK TO CURB FUTURE ARTIFICIAL INTELLIGENCE CONTENT FRAUD	Prateek Singh; Divyarajsinh Jadeja; Mittali Jangid;	
1,374	20230006830	2022-07-18	DECENTRALIZED TRUST USING BLOCKCHAIN FOR TRACKING AND VALIDATION OF VOICE COMMUNICATIONS	Meethil Yadav; Bradley Wardman; Braden Ericson;	
1,375	20220351817	2022-07-18	BLOCKCHAIN PRESCRIPTION MANAGEMENT SYSTEM	Christopher Blackley; David Smith; John Gray; Rhetick Sengupta; Kevin Young;	
1,376	20240020683	2022-07-18	METHODS AND SYSTEMS FOR MULTIPLE GATING VERIFICATIONS BASED ON A BLOCKCHAIN WALLET	Chris BACON; Patrick SISSONS; Sunghyun LEE;	Shopify Inc.;
1,377	20240022440	2022-07-18	DEVICE AND METHOD FOR SECURING AND VERIFYING BUSINESS DATA VIA A BLOCKCHAIN SYSTEM	Wei YEH; Chao-Chiu HUANG;	
1,378	20230359984	2022-07-18	METHODS AND SYSTEMS FOR INVENTORY MANAGEMENT FOR BLOCKCHAIN-BASED TRANSACTIONS	Andrew NGO; Alan FULKS; John Jong-Suk LEE;	Shopify Inc.;
1,379	20230017855	2022-07-18	DISTRIBUTED SMART WALLET COMMUNICATIONS PLATFORM	Dan Kikinis; Ari Birger; Haim Dror; Aleksandr Vorobets;	
1,380	20230018133	2022-07-15	DEVICES, SYSTEMS AND METHODS FOR AUTONOMOUSLY MONITORING CUSTOMER USE OF EQUIPMENT & BILLING VIA A BLOCKCHAIN NETWORK	Blake Burnette; Brad Brooks; Iniaki Zuloaga; Jose Guerrero;	IOT-eq, LLC;

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#	Pub. No	Filed	Title	Inventors	Assignees
1,381	20240022424	2022-07-14	SYSTEMS AND METHODS FOR SELECTIVELY INDEXING BLOCKCHAIN OPERATIONS BY PARSING RAW BLOCKCHAIN DATA FOR RELEVANT DATA PRIOR TO EXECUTING CONFIRMATORY FUNCTION CALLS	Ben SCHRECK; Ejaaz AHAMADEEN; Jing FAN; Peter KIM; Olivia THET; Matt MOORE; Ankit CHIPLUNKAR;	Coinbase, Inc.;
1,382	20240022439	2022-07-14	SYSTEMS AND METHODS FOR SELECTIVELY INDEXING BLOCKCHAIN OPERATIONS BASED ON IDENTIFYING UNINDEXED PARAMETERS	Ben SCHRECK; Ejaaz AHAMADEEN; Jing FAN; Peter KIM; Olivia THET; Matt MOORE; Ankit CHIPLUNKAR;	Coinbase, Inc.;
1,383	20230013074	2022-07-14	SYSTEM AND METHOD FOR TRUE PEER-TO-PEER AUTOMATIC TELLER MACHINE TRANSACTIONS USING MOBILE DEVICE PAYMENT SYSTEMS	Dan Kikinis; Ari Birger; Sree Iyer;	
1,384	20220350524	2022-07-14	Immutable Storage as a Machine Learning Archive Mechanism	Warren Gleich; Richard Baker, JR;	Bottomline Technologies, Inc.;
1,385	20220351080	2022-07-14	GxP ARTIFICIAL INTELLIGENCE / MACHINE LEARNING (AI/ML) PLATFORM	Gary Shorter; Malcolm Postings; Kevin Saylor;	
1,386	20230043852	2022-07-13	BLOCKCHAIN-BASED PRIVACY PROTECTION METHOD FOR CONTENT CENTRIC NETWORK (CCN)	Jianwei ZHANG; Haiyan SUN; Zengyu CAI; Liang ZHU; Shujun LIANG; Erlin TIAN; Huanlong ZHANG; Yanhua ZHANG; Xi CHEN;	Zhengzhou University of Light Industry;
1,387	20230014928	2022-07-13	ELECTRONIC-SPORTS MOBILE TOURNAMENT STREAMING PLATFORM	Krystal Yang; Tony Chen;	
1,388	20240020679	2022-07-12	DATA ASSURANCE SOLUTION USING VERIFIABLE CREDENTIALS AND BLOCKCHAIN	James Regenor;	
1,389	20240022441	2022-07-12	Systems and Methods for Generation of Energy-Backed Digital Units Stored in a Decentralized Ledger	Nicholas VandenBrekel;	
1,390	20230195761	2022-07-11	SPATIAL LSM TREE APPARATUS AND METHOD FOR INDEXING BLOCKCHAIN BASED GEOSPATIAL POINT DATA	Sungwon JUNG; Minjun SEO; Taehyeon KWON;	SOGANG UNIVERSITY RESEARCH FOUNDATION;
1,391	20230066838	2022-07-11	SYSTEMS AND METHODS FOR SECURING ACCESS RIGHTS TO RESOURCES USING CRYPTOGRAPHY AND THE BLOCKCHAIN	Adam Meghji;	
1,392	20230019045	2022-07-11	SYSTEMS AND METHODS OF FACILITATING TRADING A STORED VALUE CARD USING BLOCKCHAIN	Christian Suwiryo;	
1,393	20220343286	2022-07-11	DISTRIBUTED LEDGER AND BLOCKCHAIN TECHNOLOGY-BASED RECRUITMENT, JOB SEARCHING AND/OR PROJECT SEARCHING, SCHEDULING, AND/OR ASSET TRACKING AND/OR MONITORING, AND/OR PRINCIPAL/AGENT RELATIONSHIP MANAGEMENT AND/OR MONITORING, APPARATUS AND METHOD	RAYMOND JOAO;	
1,394	20240015023	2022-07-07	SYSTEMS AND METHODS FOR FACILITATING BLOCKCHAIN OPERATION CHARACTERISTIC SELECTION WHEN CONDUCTING BLOCKCHAIN OPERATIONS	Spencer STOCK; Mansi PRAKASH; Sid COELHO-PRABHU; Kevin SHAY;	Coinbase, Inc.;
1,395	20240015034	2022-07-07	SYSTEMS AND METHODS FOR PROCESSING BLOCKCHAIN OPERATIONS FEATURING A PLURALITY OF BLOCKCHAIN OPERATION TYPES	Spencer STOCK; Mansi PRAKASH; Sid COELHO-PRABHU; Kevin SHAY;	Coinbase, Inc.;
1,396	20240015035	2022-07-07	SYSTEMS AND METHODS FOR MODIFYING PENDING BLOCKCHAIN OPERATIONS	Spencer STOCK; Mansi PRAKASH; Sid COELHO-PRABHU; Kevin SHAY;	Coinbase, Inc.;
1,397	20230360032	2022-07-07	METHODS AND SYSTEMS FOR DYNAMIC UPDATE TO ACCESS CONTROL RULES IN A COMPUTING SYSTEM BASED ON BLOCKCHAIN MONITORING	John Jong-Suk LEE;	Shopify Inc.;
1,398	20230009663	2022-07-07	METHOD FOR DELEGATING DEVICE OWNERSHIP BASED ON BLOCKCHAIN	Yun CHOI; Jung PARK; Euihyun JUNG;	
1,399	20230188356	2022-07-07	APPARATUS AND METHOD FOR PROCESSING DISTRIBUTED CONSENSUS USING MULTI-SIGNATURE	Jong-Choul Yim; Jin-Tae Oh;	
1,400	20240135364	2022-07-06	METHOD FOR TRANSFERRING DATA OVER A BLOCKCHAIN NETWORK FOR DIGITAL TRANSACTIONS	Charly AGUDELO; Daniel GÁLVAN; Oscar Andrés LEÓN; Yesika PADILLA YAÑEZ; Alejandro CLAVIJO SÁNCHEZ;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
1,401	20230394152	2022-07-06	ESTABLISHING A CHAIN OF OWNERSHIP OF A DEVICE	Sourin SARKAR;	
1,402	20230007035	2022-07-05	METHOD OF DETECTING ANOMALIES IN A BLOCKCHAIN NETWORK AND BLOCKCHAIN NETWORK IMPLEMENTING SUCH A METHOD	David LEPORINI; Guillaume HEBERT; Antoine DURAND;	BULL SAS;
1,403	20220337674	2022-07-05	SYSTEM AND METHOD FOR SCALABLY TRACKING MEDIA PLAYBACK USING BLOCKCHAIN	Pouria Assadipour; Andrew Batey;	Beatdapp Software Inc.;
1,404	20240015030	2022-07-05	METHODS AND SYSTEMS FOR AUTHORIZING TRANSACTIONS BASED ON A DERIVED PUBLIC KEY	David CAMERON;	Shopify Inc.;
1,405	20230006976	2022-07-05	Systems and Method for Providing Security Against Deception and Abuse in Distributed and Tokenized Environments	Bjorn Jakobsson; Stephen Gerber; Andrew Solmssen; Sven Dufva; Keir Finlow-Bates; Guy Stewart;	Artema Labs, Inc;
1,406	20220351232	2022-07-05	LOYALTY POINT DISTRIBUTIONS USING A DECENTRALIZED LOYALTY ID	Calvin Chan; Christopher Cracchiolo; Andras Ferenczi; Andrew Baal Thomas;	
1,407	20240004850	2022-07-01	SYSTEMS AND METHODS FOR A STATELESS BLOCKCHAIN OVERLAY LAYER	Frederic BEAL;	Coinbase, Inc.;
1,408	20240005312	2022-07-01	Multi-Factor User Authentication Using Blockchain Tokens	Harish Kulkarni; Kumudini Choyal; Min Cao; Nhat Nguyen; Ra Ridzuan Bin Ma Arof; Surendran Surendran;	
1,409	20240004629	2022-06-30	COMPUTER SOFTWARE UPDATES VIA BLOCKCHAIN	Achint Singh; Prasanth K S R; Shubham Kumar; Manjunath Gr; Rajat Sharma; Tomson Mt; Sumanth Vidyadhara;	
1,410	20240007309	2022-06-30	SYSTEMS AND METHODS FOR FACILITATING BLOCKCHAIN OPERATIONS INVOLVING ON CHAIN AND OFF CHAIN INTERACTIONS	Lauren DOWLING; Anthony DeMARTINO; Daniel KWASNICK; Luyi ZHANG; Rick HUYNH;	Coinbase, Inc.;
1,411	20240007525	2022-06-30	SYSTEMS AND METHODS FOR IMPROVED BLOCKCHAIN DATA INDEXING BY AVOIDING THROUGHPUT BOTTLENECKS	Jie ZHANG; Zhicong LIANG; Yaohua YANG; David LAI; Chaoqing LU; Jinghan XU; Xu MENG;	Coinbase, Inc.;
1,412	20230379180	2022-06-30	SYSTEM AND METHOD FOR FACT VERIFICATION USING BLOCKCHAIN AND MACHINE LEARNING TECHNOLOGIES	Helene KHAYKOVICH; Shravan PARUNANDULA; Pranav DESHPANDE; Jacob MENDEL;	JPMorgan Chase Bank, N.A.;
1,413	20230008135	2022-06-30	METHOD OF MANAGING TACHOGRAPH DATA BASED ON BLOCKCHAIN NETWORK, AND APPARATUS AND SYSTEM FOR PERFORMING SAME	Ju BACK; Yongbae KIM; Jongweon KIM;	QUANTUM GATE INC.;
1,414	20220343768	2022-06-30	Data Exchange within a Layer Zero (L_0) HGTP, DAG, Web3 State Channel Smart Self-Healing Node Centric Blockchain Mesh Network	Michele Di Cosola;	
1,415	20220343776	2022-06-30	Universal Computing Node in a Smart Self-Healing node Centric Blockchain Mesh Network	Michele Di Cosola;	
1,416	20240005314	2022-06-30	SUPPLY MANAGEMENT SYSTEM	Dhilip Kumar; Ajay Maikhuri;	Dell Products L.P.;
1,417	20220335423	2022-06-30	MANAGING BLOCKCHAIN-BASED TRUSTABLE TRANSACTION SERVICES	Qisheng Ma; Feifei Jin; Xuan Tao;	ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD.;
1,418	20240007284	2022-06-29	SYSTEMS AND METHODS FOR DYNAMICALLY UPDATING METADATA DURING BLOCKCHAIN FUNCTIONS	Kevin OSBORN; Austin ERICKSON; Christopher WU; Timur SHERIF;	Capital One Services, LLC;
1,419	20240007310	2022-06-29	SYSTEMS AND METHODS FOR INTEGRATING BLOCKCHAIN FUNCTIONS AND EXTERNAL SYSTEMS FOR USE IN SECURE ENCRYPTED, COMMUNICATIONS ACROSS DISPARATE COMPUTER NETWORK	Kevin OSBORN; Austin ERICKSON; Christopher WU; Timur SHERIF;	Capital One Services, LLC;
1,420	20240007290	2022-06-29	SYSTEMS AND METHOD FOR DETERMINING QUALITIES OF NON-FUNGIBLE TOKENS	Felix Dulys; Benjamin Straley;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,421	20230419403	2022-06-28	SYSTEMS AND METHODS FOR SECURING RISK IN BLOCKCHAIN NETWORKS	Samuel Rapowitz; Kevin Osborn; Xiaoguang Zhu;	
1,422	20220414621	2022-06-28	BLOCKCHAIN AND NON-FUNGIBLE TOKEN APPLICATION IN A GAMING ENVIRONMENT TO STORE AND TRACK DIGITAL ASSETS	MICHAEL PARLOTTO; GEORGE HARBINSON;	
1,423	20230421399	2022-06-28	CROSS CHAIN ACCESS GRANTING TO APPLICATIONS	Aaron Quirk; Braden Pezeshki; Lisa DeLuca;	
1,424	20230418838	2022-06-27	SYSTEM AND METHOD FOR PROVIDING NESTED BLOCKCHAIN	Vilma Mattila; Pratik Gauri; Prateek Dwivedi;	5ire LLP;
1,425	20230421570	2022-06-27	ACCESSING DATA ON A BLOCKCHAIN WITH PROOF OF DATA VERIFICATION	Matthew Gould; Braden Pezeshki; Lisa DeLuca;	
1,426	20230410128	2022-06-27	METHOD FOR MANAGING GENUINE FABRIC WITH BLOCKCHAIN DATA	Chih-Wen LIAO;	
1,427	20220417045	2022-06-27	DEVICE FOR IMPLEMENTING GATED ARRAY BLOCKCHAIN PROTECTION CODES FOR IOT DEVICES	John Medellin;	
1,428	20230421351	2022-06-27	HOMOMORPHIC ENCRYPTION USING SMART CONTRACTS	Ori YAMPOLSKY; Tsvi LEV; Yaacov HOCH;	NEC Corporation Of America;
1,429	20230421392	2022-06-27	Systems and Methods for blockchain-based industrial automation	Tsz-Chun Chiu; Abraham Goldsmith; Uros Kalabic;	
1,430	20230421398	2022-06-27	SYSTEM AND METHOD FOR INSERTING TRANSACTIONS INTO TRANSACTION POOLS	Vilma Mattila; Pratik Gauri; Prateek Dwivedi;	5ire LLP;
1,431	20230360115	2022-06-27	CLOUD-BASED CYBER TRADE SHOW SYSTEM	FONG-CHIN LIN;	
1,432	20230161847	2022-06-27	SYSTEM AND METHOD FOR IDENTIFYING OWNERSHIP AND MANAGING TRANSFER OF OWNERSHIP OF PREMIUM GOODS	Daisuke Shida; Takamasa Sasaki;	
1,433	20230040149	2022-06-27	BLOCKCHAIN-BASED INTERACTION METHOD AND SYSTEM FOR EDGE COMPUTING SERVICE	Jian LI; Yuxing MAO; Yihang XU; Xueshuo CHEN; Xiong XIONG; Simou LI;	
1,434	20220368546	2022-06-27	SYSTEMS AND METHODS FOR GROUP MESSAGING USING BLOCKCHAIN-BASED SECURE KEY EXCHANGE WITH KEY ESCROW FALLBACK	Muhammad Nomani; John Stokes;	Verizon Patent and Licensing Inc.;
1,435	20230267492	2022-06-26	DISTRIBUTED LEDGER SYSTEM TO INCENTIVIZE DECENTRALISED APPLICATION (DAPP) OWNERS IN BLOCKCHAIN NETWORK	Vikram Singh;	
1,436	20230079713	2022-06-26	System and Method of IP Ownership and IP Transactions with Guaranteed Buy Valuation and Broker Rewards	ERICH SPANGENBERG; DANIEL BORK; PASCAL ASSELOT; BRIAN BERMAN;	
1,437	20220417044	2022-06-25	SYSTEM AND METHOD TO MANAGE LARGE DATA IN BLOCKCHAIN	Prateek Goel;	
1,438	20230421396	2022-06-24	SYSTEMS AND METHODS FOR PERFORMING TWO-TIERED MULTI-PARTY COMPUTATION SIGNING PROCEDURES TO PERFORM BLOCKCHAIN OPERATIONS	Luis OCEGUEDA; Cassandra HEART; Anika RAGHUVANSHI; Adam EVERSPAUGH; Jonathan BERGKNOFF; Michael LODDER; Paras SHAH; Xiang LI;	Coinbase, Inc.;
1,439	20230421397	2022-06-24	SYSTEMS AND METHODS FOR PERFORMING BLOCKCHAIN OPERATIONS USING MULTI-PARTY COMPUTATION COHORT MANAGEMENT GROUPINGS	Luis OCEGUEDA; Cassandra HEART; Anika RAGHUVANSHI; Adam EVERSPAUGH; Jonathan BERGKNOFF; Michael LODDER; Paras SHAH; Xiang LI;	Coinbase, Inc.;
1,440	20230421540	2022-06-24	SYSTEMS AND METHODS FOR GENERATING SECURE, ENCRYPTED COMMUNICATIONS USING MULTI-PARTY COMPUTATIONS IN ORDER TO PERFORM BLOCKCHAIN OPERATIONS IN DECENTRALIZED APPLICATIONS	Luis OCEGUEDA; Cassandra HEART; Anika RAGHUVANSHI; Adam EVERSPAUGH; Jonathan BERGKNOFF; Michael LODDER; Paras SHAH; Xiang LI;	Coinbase, Inc.;

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
1,441	20230125327	2022-06-24	USING VIRTUAL BLOCKCHAIN PROTOCOLS TO IMPLEMENT A FAIR ELECTRONIC EXCHANGE	Silvio Micali;	
1,442	20220318794	2022-06-24	METHOD AND SYSTEM FOR SECURE AND VERIFIABLE OFFLINE BLOCKCHAIN TRANSACTIONS	Stephen HIGGINS;	
1,443	20220327538	2022-06-24	SYSTEM AND METHOD FOR COLLECTING AND STORING ENVIRONMENTAL DATA IN A DIGITAL TRUST MODEL AND FOR DETERMINING EMISSIONS DATA THEREFROM	Venki Kumar; Arun Ghosh; Tegan Keele; Ashley Niketas; Ryan Maloney; Soumya Shetty; Steven Rainey;	
1,444	20230418788	2022-06-23	System and Method of Blockchain Compression	Greg Schumacher;	
1,445	20220327112	2022-06-23	Smart Contracts for Assessing Truth on a Blockchain	Frederick Roth;	Transactable Corporation;
1,446	20230419309	2022-06-23	BLOCKCHAIN-BASED SECURITY TOKEN FOR KYC VERIFICATION	Miguel Navarro; Levi Sutter;	The Toronto-Dominion Bank;
1,447	20220414726	2022-06-23	BLOCKCHAIN-BASED PERMISSIONS LEDGER FOR METAVERSE IMPLEMENTATION	William Kerber;	Human Mode, L.L.C.;
1,448	20220368536	2022-06-23	SYSTEM FOR AUTHENTICATING VERIFIED PERSONAL CREDENTIALS	Prateek Mishra; Frank Villavicencio; Merajuddin Mohammad;	
1,449	20220368681	2022-06-23	SYSTEMS AND METHODS FOR GROUP MESSAGING USING BLOCKCHAIN-BASED SECURE KEY EXCHANGE	Muhammad Nomani; John Stokes;	Verizon Patent and Licensing Inc.;
1,450	20240112161	2022-06-23	METHOD AND SYSTEM FOR SYNCHRONISING USER EVENT STREAMS WITH DUST-BASED RENDEZVOUS TRANSACTIONS	Ricky RAND;	
1,451	20240095692	2022-06-22	COMPUTER IMPLEMENTED METHOD AND SYSTEM	Ricky RAND; Andrew MEE; Jack DAVIES; Paul CLARK; Alex WOODS;	
1,452	20230410065	2022-06-21	Systems and Method for Managing an Ethereum Name Service for Blockchain-Based Platforms	Bo Zhang;	
1,453	20230188367	2022-06-20	APPARATUS AND METHOD FOR SYNCHRONIZING CONSENSUS NODE INFORMATION IN BLOCKCHAIN NETWORK	Young-Chang Kim; Ki-Young Kim; Jin-Tae Oh;	
1,454	20220321364	2022-06-20	System and Method to Facilitate an Account Protection Check Through Blockchain	Steven Sholtis; Bill Hudson; David Hazar;	
1,455	20220327893	2022-06-20	PROGRESSIVE SYSTEMS ON A DISTRIBUTED LEDGER	Eric Taylor; Nimish Purohit; Thomas Rizos;	
1,456	20230412363	2022-06-17	Automated Management of Blockchain Knowledge Repositories	Jayronn Christian Sulit BUCU; Siddarth PAVITHRAN;	
1,457	20220407681	2022-06-17	REDACTABLE BLOCKCHAIN	Vladimir Shpilrain; Dima Grigoriev;	
1,458	20220321359	2022-06-17	METHODS AND SYSTEMS FOR OWNERSHIP VERIFICATION USING BLOCKCHAIN	Mohamed Nosseir; Anil Somani; Quan Wang;	
1,459	20230409400	2022-06-17	SYSTEM FOR RESOURCE ALLOCATION AND MONITORING	Carlos Balderas; Rafael Lopez; Van Phu; Muhammad Malik;	ZenBusiness PBC;
1,460	20230412403	2022-06-16	SECRET SMART OPERATIONS IN BLOCKCHAIN	Lei Yu; Qi Zhang; Petr Novotny; Nitin Gaur;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,461	20230412621	2022-06-16	Failure-Tolerant System and Method for Establishing Consensus among Blocks within a Blockchain Network	Prashant Khare; Pranav Kaul; Maisnam Ricky; Neha Trehan;	
1,462	20220311600	2022-06-16	Time-Aware Blockchain Staged Regulatory Control of Internet of Things Data	Winnie Chau; John Mulligan; Shashi Gowda;	AT&T Global Network Services Hong Kong LTD; AT&T Mobility II LLC;
1,463	20230410071	2022-06-16	System, Method, and Program Product for Creating and Awarding Tokenized Credentials	Joshua Lange;	
1,464	20230008302	2022-06-16	DISTRIBUTED LEDGER FOR INSTANTANEOUS CONSENSUS OF A DIGITAL TWIN	Cedric Harris;	Everything Blockchain Technology Corp.;
1,465	20230412402	2022-06-15	ENDORSEMENT POLICY CONSOLIDATION IN BLOCKCHAIN NETWORKS	Manish Sethi; Andrew Coleman;	
1,466	20230412404	2022-06-15	SYSTEMS AND METHODS FOR MITIGATING NETWORK CONGESTION ON BLOCKCHAIN NETWORKS BY SUPPORTING BLOCKCHAIN OPERATIONS THROUGH OFF-CHAIN INTERACTIONS	Jim CAI; Lauren DOWLING; Brian CRIPE; Rick HUYNH;	Coinbase, Inc.;
1,467	20230401195	2022-06-14	ELEVATOR SYSTEM CONFIGURED FOR STORING AND SHARING ELEVATOR TRIPS	Pradeep Miriyala; Abhinav Dhar;	
1,468	20230401595	2022-06-14	BLOCKCHAIN-BASED REWARD SYSTEM	Daniel Kang; Thomas Chen; Jonathan Ko;	
1,469	20230401597	2022-06-14	Incentivized Marketplaces	Gabriel Mayer; Beau Walker; Joe Queen;	
1,470	20230123993	2022-06-14	SYSTEM FOR VALIDATING TICKET TRANSACTIONS VIA TICKET NFTS AND METHODS FOR USE THEREWITH	Mark Meyers; Bruce Stuckman; John Howard; Brian Howard; Gregory Meador;	Galiant Arts, LLC;
1,471	20230130074	2022-06-13	NETWORK TRANSMISSION OPTIMIZATION DEVICE FOR GRAPH-TYPE BLOCKCHAIN AND METHOD THEREOF	Jiang Xiao; Bingru Si; Jiajie Zeng; Shijie Zhang; Hanhua Chen; Hai Jin;	
1,472	20230401553	2022-06-13	CRYPTO-BRIDGE FOR AUTOMATING RECIPIENT DECISION ON CRYPTO TRANSACTIONS	Miguel Navarro; Levi Sutter;	The Toronto-Dominion Bank;
1,473	20230017790	2022-06-13	GRAPHIC-BLOCKCHAIN-ORIENTATED HYBRID CONSENSUS IMPLEMENTATION APPARATUS AND IMPLEMENTATION METHOD THEREOF	Jiang XIAO; Shuohua DONG; Jingtao YUE; Xiaohai DAI; Jian CHANG; Shijie ZHANG; Hai JIN;	
1,474	20230009961	2022-06-13	GRAPHIC-BLOCKCHAIN-ORIENTATED SHARDING STORAGE APPARATUS AND METHOD THEREOF	Jiang XIAO; Feng CHENG; Junpei NI; Wenhui YANG; Hai JIN;	
1,475	20220405684	2022-06-13	METHOD AND SYSTEM FOR PERSONALIZED PROGRAMMING GUIDANCE USING DYNAMIC SKILL ASSESSMENT	VIVEKANAND RAMGOPAL; ASHOK SESHADRI; ASHISHKUMAR LAKSHMANAN; NAMITHA JEREMIAH;	Tata Consultancy Services Limited;
1,476	20220321737	2022-06-13	SYSTEM FOR DATA SECLUSION IN IMAGE AND AUDIO FILES	Romany Mansour; José Escorcia-Gutierrez; Margarita Gamarra; Adnen El Amraoui; Fayadh Alenezi; Sara Althubiti; Vivek Kumar; S Chordiya; Narbada Devi; Biplab Sarkar;	
1,477	20230401571	2022-06-10	MAINTAINING BLOCKCHAIN STATE WHEN PERFORMING NON-BLOCKCHAIN COMMERCE WORKFLOW	John Jong-Suk Lee; Cory Svensson; Alan Fulks;	Shopify Inc.;
1,478	20230401575	2022-06-10	SYSTEM AND METHOD FOR FACILITATING BLOCKCHAIN BASED BUSINESS TRANSITIONS	MUHAMMAD SAEED;	
1,479	20230401312	2022-06-10	DATA SECURITY IN A METAVERSE ENVIRONMENT	Sakshi Bakshi; Durga Kutthumolu;	
1,480	20230403288	2022-06-10	SECURING DATA IN A METAVERSE ENVIRONMENT USING SIMULATED DATA INTERACTIONS	Sakshi Bakshi; Durga Kutthumolu;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,481	20230196320	2022-06-10	GENERATING A VIRTUAL REALITY ENVIRONMENT	Matthew Bramlet; Justin Drawz; Steven Garrou; Christine Varani; Gary Grube;	Enduvo, Inc.;
1,482	20220405413	2022-06-10	INFORMATION MANAGEMENT SYSTEM, METHOD OF CONTROLLING THE INFORMATION MANAGEMENT SYSTEM, AND STORAGE MEDIUM STORING PROGRAM	Shuma Yokoyama; Ayaka Kinoshita;	
1,483	20230401184	2022-06-09	INFORMATION VALIDATION APPLICATION	NIBIN PHILIP;	
1,484	20220401842	2022-06-09	TOKEN MANAGEMENT SYSTEM FOR USE IN IMMERSIVE INTERACTIVE SPORTS ENVIRONMENTS	Sohrob FARUDI; Steven ADLER;	
1,485	20240144576	2022-06-09	3D OBJECT MANAGEMENT DATA, COMPUTER PROGRAM, AND DISTRIBUTED MANAGEMENT METHOD FOR 3D OBJECT	Taishi AIZAWA;	
1,486	20230403161	2022-06-08	AGGREGATE ANONYMOUS CREDENTIALS FOR DECENTRALIZED IDENTITY IN BLOCKCHAIN	Kaoutar El Khiyaoui; Angelo De Caro; Elli Androulaki;	
1,487	20230177492	2022-06-06	COMPUTER IMPLEMENTED SYSTEM AND METHOD FOR COLLECTING, TRADING, CRAFTING NON-FUNGIBLE DIGITAL TOKENS, AND PLAYING FANTASY GAME USING SAID NON-FUNGIBLE DIGITAL TOKENS	Arunav VAISH; Ridhima BAHL; Varun CHOPRA; Shubham KUKREJA; Atharv CHAVAN;	
1,488	20230138102	2022-06-06	METHOD AND SYSTEM FOR MANAGING DECENTRALIZED DATA USING ATTRIBUTE-BASED ENCRYPTION	Ki PARK;	
1,489	20220391924	2022-06-06	METHODS AND APPARATUSES FOR AUTHENTICATING ASSETS	Andrew YANG; Athanasios KARACHOTZITIS; Jeong PARK;	
1,490	20220391474	2022-06-03	STREAMING FRAUD DETECTION USING BLOCKCHAIN	Pouria Assadipour; Evan Martin; Andrew Batey; Morgan Hayduk;	Beatdapp Software Inc.;
1,491	20220300918	2022-06-03	SYSTEMS AND METHODS FOR STREAMLINING CREDIT AND/OR DEBIT CARD TRANSACTIONS UTILIZING BLOCKCHAIN SUPPORTED CREDIT TOKENS AND/OR DEBIT TOKENS	Jun Yan;	
1,492	20220300919	2022-06-03	SYSTEMS AND METHODS FOR STREAMLINING CREDIT AND/OR DEBIT CARD TRANSACTIONS UTILIZING BLOCKCHAIN SUPPORTED CREDIT TOKENS AND/OR DEBIT TOKENS	Jun Yan;	
1,493	20230396454	2022-06-03	FORGET ME TOKENIZATION TABLES FOR BLOCKCHAINS	DOUGLAS GROVER;	MICRO FOCUS LLC;
1,494	20220394484	2022-06-03	Embedded Subscriber Identity Module Non-Fungible Token System	Mayur Moudhgalya; Shane Tackett; Michael Durham;	Bellum, LLC;
1,495	20220292507	2022-06-02	SYSTEMS AND METHODS FOR QUANTIFYING AND ELECTRONICALLY DISPLAYING DEGREES OF ASSOCIATION BETWEEN BLOCKCHAIN ADDRESSES	Maxwell GALKA;	
1,496	20230394599	2022-06-02	BLOCKCHAIN-BASED CARBON NEUTRAL TRANSACTION PROCESSING METHOD AND SYSTEM FOR THE SAME	Chun-Jung LIN;	
1,497	20220292471	2022-06-02	UNIVERSAL TOKENISATION SYSTEM FOR BLOCKCHAIN-BASED CRYPTOCURRENCIES	Craig Wright; Stephane Savanah;	
1,498	20220292508	2022-06-02	SYSTEMS AND METHODS FOR INTELLIGENT NETWORK EXPANSION	Maxwell GALKA;	
1,499	20220292509	2022-06-02	SYSTEMS AND METHODS FOR A GRAPHICAL USER INTERFACE WITH INTELLIGENT NETWORK EXPANSION	Maxwell GALKA;	
1,500	20230394466	2022-06-01	GENERATING AND MANAGING TOKENIZED ASSETS UTILIZING BLOCKCHAIN MINTING AND A DIGITAL PASSPORT	Devin Mancuso; Eric Alves; Austin Adams; Kris Puckett; Willa Peng; Arunsunai Anbalagapandian;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,501	20230394470	2022-06-01	GENERATING AND MANAGING TOKENIZED ASSETS UTILIZING BLOCKCHAIN MINTING AND A DIGITAL PASSPORT	Devin Mancuso; Eric Alves; Austin Adams; Kris Puckett; Willa Peng; Arunsunai Anbalagapandian;	
1,502	20230394426	2022-06-01	SUPPLY CHAIN MANAGEMENT SYSTEM AND METHODS	David Bauders; SRINIVASA VANAPALLI; Chitra Dorai;	
1,503	20230396443	2022-06-01	ASSET MANAGEMENT IDENTIFICATION KEY	Alan O'Dwyer; John Guckian;	
1,504	20230382567	2022-05-31	FRAMEWORK FOR INTERFACING BLOCKCHAIN-BASED GROUND SYSTEM WITH FLIGHT SOFTWARE AND SATELLITE ORBIT ANALYSIS APPLICATIONS	Mohammad MOZUMDAR; Phanitta CHOMSINSAP; Sadiq SARWAR;	The Aerospace Corporation;
1,505	20230385823	2022-05-31	SYSTEM AND METHOD FOR CRYPTOGRAPHIC ASSET TRANSACTION	David Hanson, JR;	
1,506	20220391888	2022-05-31	NFT-BASED DIGITAL CONTENT MANAGEMENT SYSTEM AND METHOD	Ji KIM;	
1,507	20220392005	2022-05-31	Dynamic Contracts	Demian Goldstraj;	
1,508	20220300955	2022-05-27	SYSTEMS AND METHODS OF GENERATING, VALIDATING, APPROVING, RECORDING, AND UTILIZING DIGITAL DATA ASSETS IN A BLOCKCHAIN PLATFORM USING A TRANSACTIONAL PROOF OF WORK	Jennifer Hinkel; Arka Ray;	
1,509	20220300956	2022-05-27	SECURE MANAGEMENT OF DATA FILES USING A BLOCKCHAIN	Sergio Gonzales, JR;	
1,510	20220400013	2022-05-27	DETECTION OF ANOMALIES IN A COMPUTER SYSTEM	Joshua McIver; Taulant Ramabaja; Peter Anewalt;	
1,511	20220291942	2022-05-27	COOPERATIVE CLOUD INFRASTRUCTURE USING BLOCKCHAINS FOR HARDWARE OWNERSHIP AND ACCESS	Jay Vyas; Huamin Chen;	
1,512	20220284420	2022-05-26	SMART CONTRACT EXECUTED WITHIN A BLOCKCHAIN	Avi BEN-DAVID; Vladislav AMIROV; Ori EREZ; Yoav PINKAS;	Lendoit Technologies Israel Ltd.;
1,513	20220284447	2022-05-26	METHODS AND SYSTEMS FOR AUTHENTICATING PHYSICAL PRODUCTS VIA NEAR FIELD COMMUNICATION TAGS AND RECORDING AUTHENTICATION TRANSACTIONS ON A BLOCKCHAIN	Lukasz Bulawski; David Geisser; Philipp Harbeke; Jeremy Smith;	
1,514	20230385954	2022-05-26	SOCIAL MEDIA GAME	Mrudul Bhatt; Lincoln Gasking;	
1,515	20230139330	2022-05-25	STORAGE DEVICE FOR A BLOCKCHAIN NETWORK BASED ON PROOF OF SPACE AND SYSTEM INCLUDING THE SAME	Wijik Lee; Dongouk Moon; Seunghan Lee; Jinwook Lee;	
1,516	20220385472	2022-05-25	Blockchain Enabled Data Authentication System Using Simulated Quantum Entanglement	Hamid Pishdadian; Akram Khalis; Rick Genga;	
1,517	20230015556	2022-05-24	LIGHTWEIGHT DATA STORAGE APPARATUS FOR GRAPHIC BLOCKCHAIN AND METHOD THEREOF	Jiang XIAO; Xiaohai DAI; Shijie ZHANG; Hai JIN;	
1,518	20230016241	2022-05-24	HIGHLY FLEXIBLE, SCALABLE MULTI BLOCKCHAIN, HIERARCHICAL DATA SHARING AND DATA STORING SYSTEM AND METHOD THEREOF	Jiang XIAO; Jian CHANG; Junpei NI; Xiaohai DAI; Shijie ZHANG; Hai JIN;	
1,519	20230385822	2022-05-24	METHOD AND SYSTEM FOR PROCESSING AN ASSET SWAP ACROSS TWO BLOCKCHAINS	Saravana SHANMUGAM; Rajasekaran DHAMODHARAN; Arnab MAITY; Mohammed AHMAD;	MASTERCARD INTERNATIONAL INCORPORATED;
1,520	20230085807	2022-05-24	ANTI-TRAPDOOR-LEAKAGE ON-CHAIN DATA RESTORATION SYSTEM AND METHOD THEREOF	Weiqi DAI; Jinkai LIU; Hai JIN; Deqing ZOU;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
1,521	20230376501	2022-05-23	ASIK: MODULAR INTERFACE TO BLOCKCHAIN	Neeraj Srivastava;	
1,522	20220292214	2022-05-23	BLOCKCHAIN ENDORSEMENT WITH APPROXIMATE HASH VERIFICATION	Praveen Jayachandran;	
1,523	20230376913	2022-05-23	Systems And Methods For Decreasing Counterparty Settlement Risk	Ashu SWAMI;	
1,524	20230379177	2022-05-20	NETWORK-WIDE SUPERVISION IN A HIERARCHICALLY-SEGMENTED BLOCKCHAIN NETWORK	Karim Mahmoud Mohamed Moustafa; Harutyun Shahumyan;	
1,525	20230376940	2022-05-20	METHOD AND SYSTEM FOR AUTHORIZATION FOR CRYPTOCURRENCY ON DISTRIBUTED LEDGER	Oskar DURIS; Jamal KHAN; Noah TAVARES;	MASTERCARD INTERNATIONAL INCORPORATED;
1,526	20220278848	2022-05-20	CERTIFYING AUTHENTICITY OF DATA MODIFICATIONS	Hiroaki Nakamura; Takaaki Tateishi;	
1,527	20230056090	2022-05-19	METHOD OF SECURING AUTHENTICITY AND EVIDENTIARY STATUS OF VIDEO RECORDING, TERMINAL DEVICE, AND COMPUTER READABLE STORAGE MEDIUM APPLYING THE METHOD	CHUN-WEI CHIU;	
1,528	20220351125	2022-05-19	Decentralized Shipping Network Using Blockchains	Nambi SANKARAN; Constanza HEATH; Someshekhar BANERJEE; Abhishek PANDEY; Mikhail TSIRELSON;	eBay Inc.;
1,529	20230379409	2022-05-18	FEDERATED INTELLIGENT CONTACT CENTER CONCIERGE SERVICE	Kevin Plain; John Young;	
1,530	20220335394	2022-05-18	INFORMATION PROCESSING METHOD AND NON-TRANSITORY COMPUTER-READABLE STORAGE MEDIUM	Madoka SAKAITANI; Kenichi MOGI;	
1,531	20240091610	2022-05-18	GOLF CLUB FITTING SYSTEMS AND METHODS	Michael McDonnell;	
1,532	20220277301	2022-05-17	SECURE TRACKING AND TRANSFER OF ITEMS USING A BLOCKCHAIN	Sergio Gonzales, JR; Todd Lash; Ethan Rubinson; Seyed-Mahdi Pedramrazi; Fausto Dassenno;	
1,533	20230367887	2022-05-16	SYSTEM AND METHOD FOR UPDATING A DISTRIBUTED LEDGER OF A BLOCKCHAIN BASED ON DETECTING ANOMALIES IN BLOCKCHAIN TRANSACTIONS	Pratap Dande; Akhila Mylaram; Gilberto Dos Santos; JayaBalaji Murugan;	
1,534	20230368160	2022-05-16	Perpetually Stable Cryptocurrency Coinage Algorithm	Philip Muller; Zachary Muller;	
1,535	20230177041	2022-05-16	BLOCKCHAIN-BASED DATA SHARING METHOD AND APPARATUS	Jin OH; Myong LIM; Sang SIM; Duk KIM; Seok LEE;	
1,536	20220366021	2022-05-16	VERIFYING, MONITORING, AND TOKENIZING DIGITAL ASSETS AS PROOF OF OWNERSHIP AND VALUATION OF THE DIGITAL ASSETS	Paul McCarthy;	
1,537	20230360035	2022-05-15	UTILIZING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
1,538	20220277398	2022-05-15	SELECTING A CONTINGENT ACTION TOKEN	Gary Grube;	2BC Innovations, LLC;
1,539	20230368293	2022-05-13	FIAT PAYMENT BASED ON A CRYPTOCURRENCY BLOCKCHAIN TRANSACTION	Miguel Navarro; Levi Sutter;	The Toronto-Dominion Bank;
1,540	20220270084	2022-05-13	Leveraging Non-Fungible Tokens and Blockchain to Maintain Social Media Content	Yitian Xue; Dapeng Ma;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,541	20220366486	2022-05-13	DECENTRALIZED AUCTION PLATFORM	Kevin MCCOY; Tammo MUELLER; Jason BRUMWELL;	
1,542	20230370521	2022-05-12	BLOCKCHAIN MACHINE BROADCAST PROTOCOL WITH LOSS RECOVERY	Ji YANG; Haris JAVAID; Sundararajarao MOHAN; Gordon BREBNER;	
1,543	20220393876	2022-05-12	LOCKING BLOCKCHAIN BLOCKS FOR DATA SECURITY FOR FINITE LENGTH BLOCKCHAINS	Tyson Winarski;	
1,544	20230368161	2022-05-12	Perpetually Stable Cryptocurrency Coinage	Philip Muller; Zachary Muller;	
1,545	20230368257	2022-05-12	ASSOCIATING LAND NFTS WITH DIGITAL REPRESENTATIONS OF LAND PARCELS	Elliott Grant; Zhiqiang Yuan;	
1,546	20230129705	2022-05-11	SYSTEM AND METHOD FOR CERTIFIED DATA STORAGE AND RETRIEVAL	CHRISTOPHER WIKLOF; CHRIS TROUTNER;	
1,547	20220270082	2022-05-11	NOVEL MEANS AND METHODS FOR IMPLEMENTATION OF SECURE TRANSACTIONS	Asaf NAIM;	Newglobes LTD.;
1,548	20220272203	2022-05-11	Blockchain-Based Roaming Transaction Method and Apparatus	Jianan Hong; Yanping Zhang; Weihua Hu;	
1,549	20230410104	2022-05-10	DIGITAL ASSET TRANSACTION PLATFORM AND SYSTEM	Michael Towles;	
1,550	20230368185	2022-05-10	PUBLIC TRUST LEDGER SMART CONTRACT TOKEN TRANSFER IN A DATABASE SYSTEM	Prithvi PADMANABHAN; Gary BRANDELEER; Avanthika RAMESH; Adam CAPLAN;	Salesforce, Inc.;
1,551	20230368191	2022-05-10	DATABASE REPRESENTATION OF A PUBLIC TRUST LEDGER	Prithvi PADMANABHAN; Gary BRANDELEER;	Salesforce, Inc.;
1,552	20230368291	2022-05-10	PUBLIC TRUST LEDGER SMART CONTRACT REPRESENTATION AND EXCHANGE IN A DATABASE SYSTEM	Prithvi PADMANABHAN; Marc BENIOFF;	Salesforce, Inc.;
1,553	20230370275	2022-05-10	VERIFICATION SYSTEM FOR PROVING AUTHENTICITY AND OWNERSHIP OF DIGITAL ASSETS	Rivka Aspler-Yaskil; Mehak Jethmalani; Michael Jim Tien Chan;	
1,554	20230186243	2022-05-10	SMART CONTRACT-BASED PROJECT DEVELOPMENT USING MILESTONE BASED DISTRIBUTION	BRIAN CHRISTENSEN;	Blockcities, Inc.;
1,555	20220271960	2022-05-10	BLOCKCHAIN-BASED DATA PROCESSING METHOD, APPARATUS, DEVICE, AND READABLE STORAGE MEDIUM	Pan Liu;	Tencent Technology (Shenzhen) Company Limited;
1,556	20230360158	2022-05-09	INTELLIGENT TRANSFER OF ASSETS USING BLOCKCHAIN TECHNOLOGY	RAJA MAHARAJA; Draupa Shrikanth;	
1,557	20230362655	2022-05-09	CROSS-CARRIER DIGITAL LEDGER FOR SUBSCRIBER IDENTIFICATION MODULE (SIM) RELATED DATA	Paul Farag; Christopher Spanton;	
1,558	20220269332	2022-05-09	METHODS AND APPARATUS FOR CHARACTERIZING MEMORY DEVICES	Jonathan Harms;	
1,559	20220272128	2022-05-09	ZERO-TRUST DECENTRALIZED CYBERSECURITY ARCHITECTURE FOR ENDPOINT DEVICES	ARMIN BABAEI;	
1,560	20230196310	2022-05-07	METHODS AND SYSTEM FOR CROSS-BLOCKCHAIN COLLATERALIZATION	Levy Cohen;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,561	20230362020	2022-05-06	SYSTEMS AND METHODS FOR RECONSTRUCTING AND COMPUTING DYNAMIC PIECEWISE FUNCTIONS ON DISTRIBUTED CONSENSUS SYSTEMS	Ariah Klages-Mundt; Steffen SCHULDENZUCKER;	
1,562	20220358186	2022-05-06	GENERATING AND ISSUING SECONDARY DIGITAL ASSETS BASED ON OWNERSHIP OF PRIMARY ASSETS	Matthew DEUEL; Steven CHAPMAN; Alif KHALFAN;	
1,563	20220358488	2022-05-06	NFT DIGITAL FRAME	Michael Kidakarn;	
1,564	20220269670	2022-05-06	DATA PROCESSING METHOD AND APPARATUS, COMPUTER DEVICE, AND STORAGE MEDIUM	Maocai Li; Zongyou Wang; Yifang Shi; Gengliang Zhu; Hu Lan; Huankun Huang;	Tencent Technology (Shenzhen) Company Limited;
1,565	20220272511	2022-05-06	SUBSCRIPTION DATA MANAGEMENT METHOD AND APPARATUS	Kaiping XUE; Hangyu TIAN; Jianan HONG;	
1,566	20230360031	2022-05-05	CONTROLLING PUBLISHING OF ASSETS ON A BLOCKCHAIN	Lisa DeLuca; Braden Pezeshki;	
1,567	20220261810	2022-05-05	METHOD OF AUTOMATICALLY PROVIDING CRYPTOCURRENCY TO RECOMMENDER USING SNS PROPAGATION	In KIM;	
1,568	20230360034	2022-05-04	PROFILE BADGES AND ACCESS CONTROL BASED ON DIGITAL WALLET BLOCKCHAIN ACTIVITY	Lisa DeLuca; Michael Williams;	
1,569	20220358458	2022-05-04	SECURE BLOCKCHAIN SUPPLY MANAGEMENT SYSTEM	Jeffrey Gerald; Robert Schlicher;	Gray Matters, Inc.;
1,570	20220360833	2022-05-04	BLOCKCHAIN POWERED ROYALTY DISTRIBUTION	Manivannan KANNAN; Kanakendiran RAMACHANDIRAN;	ARRIS Enterprises LLC;
1,571	20220335401	2022-05-04	POINT OF SALE TERMINAL SYSTEM AND MULTI TERMINAL NETWORK	Christopher SIEFKEN; Mahesh KOMMAREDDI; Brian Jackson;	XENIAL, INC.;
1,572	20220261776	2022-05-03	CONTENT DELIVERY SYSTEMS THAT USE BLOCKCHAIN TO MANAGE CONTENT	Charles Hasek, IV;	
1,573	20220261777	2022-05-03	CONTENT DELIVERY SYSTEMS THAT USE BLOCKCHAIN TO MANAGE CONTENT	Charles Hasek, IV;	
1,574	20230362010	2022-05-03	SYSTEMS AND METHODS FOR PREDICTING COMMUNICATION ACCOUNT IDENTITIES ACROSS DECENTRALIZED APPLICATIONS	Alex REEVE; Harrison DAHME; Leo CHEN; Akash SHAH; Ming JIANG; Sid SHEKHAR; Zhicong LIANG;	Coinbase, Inc.;
1,575	20220270753	2022-05-03	APPLICATION FOR SELF-GOVERNED CLINICAL VALIDATION, VERIFICATION, AND REGISTRATION	Fushun HSU; Fu TSAI; Yuan CHENG;	
1,576	20220271959	2022-05-03	TRANSMISSION CONTROL METHOD, NON-TRANSITORY COMPUTER-READABLE STORAGE MEDIUM FOR STORING TRANSMISSION CONTROL PROGRAM, AND INFORMATION PROCESSING DEVICE	Yuki Yonekura; Takuma Takeuchi;	FUJITSU LIMITED;
1,577	20220351165	2022-05-02	Blockchain Fungible and Non-Fungible Tokenization of Physical Assets via Digital Twinning	James Regenor;	
1,578	20220263671	2022-05-02	DATA PROCESSING METHOD, APPARATUS, AND DEVICE, BLOCKCHAIN SYSTEM, AND COMPUTER-READABLE STORAGE MEDIUM	Changhui LIU;	
1,579	20230353982	2022-05-02	QUANTUM ARTIFICIAL INTELLIGENCE POSITIONING SYSTEM IN A NEXT GENERATION PUBLIC SAFETY NETWORK	Thomas Routt; Mark Stockert;	AT&T Intellectual Property I, L.P.; AT&T Mobility II LLC;
1,580	20220368532	2022-05-02	METHOD AND APPARATUS FOR VERIFYING VALIDITY OF TRANSACTIONS AND BLOCKS	Hwanjo HEO;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
1,581	20220327570	2022-04-29	INCORPORATING ADDITIONAL BLOCKCHAINS INTO A MULTI-LEVEL MARKETING SYSTEM BLOCKCHAIN	Fred Cooper;	
1,582	20220253958	2022-04-29	PROPERTY TOKEN BLOCKCHAIN SYSTEM AND METHOD OF USE	Teresa Grobecker; Milo Sprague; Claudio Paz;	
1,583	20230122552	2022-04-29	SYSTEM FOR VALIDATING PLAY OF GAME APPLICATIONS VIA GAME NFTS AND METHODS FOR USE THEREWITH	Mark Meyers; Bruce Stuckman; John Howard; Brian Howard; Gregory Meador;	Galiant Arts, LLC;
1,584	20230042816	2022-04-29	METHOD AND SYSTEM FOR BLOCKCHAIN-BASED CYBER SECURITY MANAGEMENT	Shouhuai Xu; Songlin He; Eric Ficke; Mir Mehedi Ahsan Pritom; Huashan Chen; Qiang Tang; Qian Chen; Marcus Pendleton; Laurent Njilla;	
1,585	20240106670	2022-04-29	HEADERS CLIENT FOR DETERMINING THE BEST CHAIN	Andrew MEE; Michael FLETCHER;	
1,586	20220255907	2022-04-28	DATABASE SYNCHRONIZATION SYSTEM IN NETWORKED ZONES USING BLOCKCHAIN	Anchika Agarwal; Pushpinder Singh;	
1,587	20230352189	2022-04-28	METHOD OF NON-INTERACTIVE ZERO-KNOWLEDGE CROWD VERIFIABLE DIGITAL CONTACT TRACING	Sheng SUN; Wen TONG;	
1,588	20220335372	2022-04-27	IOT BLOCKCHAIN AND AI BASED SUPPLY CHAIN MANAGEMENT SYSTEM	Subhash Makhija; Ramachander Raja; Shivendra Malik; Santosh Ganesh Dattatraya Bhat;	
1,589	20220368538	2022-04-27	ZERO-KNOWLEDGE PROOF BASED CROSS-CHAIN INTEROPERABILITY	Theo Gauthier; Robin Salen; Monir Hadji; Sebastien Paul-Edouard, Thomas Dan;	
1,590	20220343305	2022-04-27	System and Method of Electronic Health Record Permissioning and Monetization	Ronald Austríng;	Synerio Technologies, Inc.;
1,591	20220344012	2022-04-27	System and Method of Electronic Health Record Permissioning and Monetization	Ronald Austríng;	Synerio Technologies, Inc.;
1,592	20220254462	2022-04-27	System and Method of Property Collection Management and Architecture	Ronald Austring;	Synerio Technologies, Inc.;
1,593	20230342151	2022-04-26	BLOCKCHAIN MACHINE COMPUTE ACCELERATION ENGINE WITH OUT-OF-ORDER SUPPORT	Haris JAVAID; Ji YANG; Sundararajarao MOHAN;	
1,594	20230342775	2022-04-26	ADAPTIVE BLOCK PROCESSOR FOR BLOCKCHAIN MACHINE COMPUTE ACCELERATION ENGINE	Haris JAVAID; Ji YANG; Sundararajarao MOHAN;	
1,595	20230344641	2022-04-26	SYSTEMS AND METHODS FOR MANAGING PARTIAL PRIVATE KEYS FOR CRYPTOGRAPHY-BASED, STORAGE APPLICATIONS USED IN BLOCKCHAIN OPERATIONS FOR DECENTRALIZED APPLICATIONS	Cassandra HEART; Peter KIM; Ben SCHRECK; Olivia THET; Jonathan BERGKNOFF; Ankit CHIPLUNKAR; Ethan LELAND; Trevor ARON;	Coinbase, Inc.;
1,596	20230344642	2022-04-26	SYSTEMS AND METHODS FOR FACILITATING SECURE AUTHENTICATION WHEN CONDUCTING BLOCKCHAIN OPERATIONS USING CRYPTOGRAPHY-BASED, STORAGE APPLICATIONS	Cassandra HEART; Peter KIM; Ben SCHRECK; Olivia THET; Jonathan BERGKNOFF; Ankit CHIPLUNKAR; Ethan LELAND; Trevor ARON;	Coinbase, Inc.;
1,597	20220368535	2022-04-26	BLOCKCHAIN DRIVEN EMBEDDED VIDEO AND DIGITAL SIGNATURES ON SIGNED DOCUMENTS	Subrao Shenoy; Saahil Shenoy;	
1,598	20220351288	2022-04-26	METHODS AND SYSTEMS FOR MINIMIZING DATA STORAGE WHEN FACILITATING BLOCKCHAIN OPERATIONS ACROSS DISTRIBUTED COMPUTER NETWORKS IN DECENTRALIZED APPLICATIONS	Kevin BRITZ; Arjun Rao;	Coinbase, Inc.;
1,599	20230342435	2022-04-26	SYSTEMS AND METHODS FOR SOFTWARE LICENSE METERING VIA CRYPTO-BASED TELEMETRY	Nikhil Patange; Krutika Kansara; Francisco Maturana; David Picou; Raja Katuri; Joseph Weller; Hanna Strohm;	
1,600	20230342760	2022-04-26	RESOURCE TRANSFER VALIDATION WITHIN A METAVERSE	Vinesh Patel; Manu Kurian; Michael Young;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
1,601	20230344657	2022-04-26	METHOD AND SYSTEM FOR FACILITATING A ROBUST COMMERCIAL CATALOG SERVICE	Lakshmi KUMAR;	JPMorgan Chase Bank, N.A.;
1,602	20220343229	2022-04-26	SYSTEMS AND METHODS FOR AUTOMATIC CARBON INTENSITY CALCULATION AND TRACKING	Patrick Gruber; Christoph Impekoven;	
1,603	20220253842	2022-04-26	SYSTEM, METHOD AND PROGRAM PRODUCT FOR MODIFYING A SUPPLY OF STABLE VALUE DIGITAL ASSET TOKENS	Daniel William Halley James; Tyler Winklevoss; Cameron Winklevoss; Brandon Arvanaghi; Stephen Judkins; Alex Parkinson; Eric Winer;	
1,604	20230039531	2022-04-25	CRYPTOGRAPHIC DATA ENTRY BLOCKCHAIN DATA STRUCTURE	Steven Teel; Michael Felker;	
1,605	20220351577	2022-04-25	STAKED VOTING SYSTEM FOR DISTRIBUTED PARI-MUTUEL GAMING	Tucker MOORE; Nathan MARSHALL;	
1,606	20220253731	2022-04-25	DYNAMIC BLOCKCHAIN-BASED PROCESS ENABLEMENT SYSTEM (PES)	William Miller; Debra Miller;	Values Centered Innovation Enablement Services, Pvt. Ltd.;
1,607	20230141423	2022-04-23	SYSTEM AND METHOD FOR EXECUTION OF LIMIT TRADES ON DECENTRALIZED EXCHANGES	Fabrizio Fantini; Joel Ward; Marco Manzi;	
1,608	20230267456	2022-04-22	BLOCKCHAIN SYSTEMS AND METHODS	Ryan GARNER; Raymond MOGG;	
1,609	20220392299	2022-04-22	SYSTEMS AND METHODS FOR AUTHENTICATED BLOCKCHAIN DATA DISTRIBUTION	Kenneth PUSTIZZI;	
1,610	20220245128	2022-04-22	Utilizing Independently Stored Validation Keys to Enable Auditing of Instrument Measurement Data Maintained in a Blockchain	Mark Grandau;	
1,611	20220240434	2022-04-22	SECURE AND VERIFIABLE TRACKING OF AGRICULTURAL PRODUCTS	Richard Rice; Ulrich Trogele; Kent James;	
1,612	20230118380	2022-04-21	Systems And Methods For Monitoring, Analyzing and Regulating Blockchain Transactions	Jacek Krosinski;	
1,613	20220245587	2022-04-21	TRANSACTION VALIDATION VIA BLOCKCHAIN, SYSTEMS AND METHODS	Nicholas Witchey;	Nant Holdings IP, LLC;
1,614	20230344650	2022-04-21	VALIDATION OF IMAGES VIA DIGITALLY SIGNED TOKENS	Avesta Hojjati;	
1,615	20230342441	2022-04-20	BLOCKCHAIN METHOD AND SYSTEM TO PREVENT CAMERA SPOOFING BEFORE OPERATING VEHICLE	Mahmoud Ghannam; Brian Bennie;	Ford Global Technologies, LLC;
1,616	20230334310	2022-04-19	MANAGING A REQUEST RATE OF A SHARED RESOURCE WITH A DISTRIBUTED LEDGER	Johnson Manuel-Devadoss;	Oracle International Corporation;
1,617	20230334488	2022-04-19	METHOD AND SYSTEM OF NFT VALIDATION IN A BROKER MARKETPLACE	Nicole Reineke; JoAnne Hubbard; Hanna Yehuda; Alan Sevajian; Debra Arneson; Corinne Schulze; Robert Barrett;	
1,618	20230336367	2022-04-18	BLOCKCHAIN TWIN ARCHITECTURE FOR SECURE MANAGEMENT OF MULTI-CLOUD COMPUTING ENVIRONMENT	Shibi Panikkar; Thirumaleshwara Shama;	
1,619	20230004964	2022-04-18	METHOD AND SYSTEM FOR THE SECURE TRANSFER OF ENTITIES ON A BLOCKCHAIN	Craig Wright; Stephane Savanah;	
1,620	20220335417	2022-04-18	Blockchain Non-Fungible Tokenization of Physical Assets Via Digital Twinning	James Regenor;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
1,621	20220237576	2022-04-18	CONTROL METHOD, NON-TRANSITORY COMPUTER-READABLE STORAGE MEDIUM, INFORMATION PROCESSING APPARATUS, AND CONTROL SYSTEM	Shingo Fujimoto; Masanobu Morinaga;	FUJITSU LIMITED;
1,622	20220239509	2022-04-18	METHOD FOR STORING AND RECOVERING KEY FOR BLOCKCHAIN-BASED SYSTEM, AND DEVICE THEREFOR	Wooseok JANG; Moonsung NA; Sungwook WON; Sunghyuk LEE; Youna LEE; Euiheon JEONG; Seongmin JE; Jinsu JO; Jongkeun CHOI;	
1,623	20230044901	2022-04-17	SYSTEM AND METHOD FOR NON-FUNGIBLE TOKENIZATION OF INTELLECTUAL PROPERTY	Erich Spangenberg;	
1,624	20220237721	2022-04-17	NETWORKED INFORMATION TECHNOLOGY DEVICES WITH SERVICE LEVEL AGREEMENTS DETERMINED BY DISTRIBUTED NEGOTIATION	Thomas Golway; Sandeep Panda;	
1,625	20220247573	2022-04-15	DIGITAL SIGNATURE GENERATION METHOD AND APPARATUS, COMPUTER DEVICE, AND STORAGE MEDIUM	Maocai LI; Zongyou WANG; Yifang SHI; Zhiyong LIAO; Hu LAN; Gengliang ZHU;	
1,626	20220239508	2022-04-14	BLOCKCHAIN MESSAGE PROCESSING METHOD AND APPARATUS, COMPUTER, AND READABLE STORAGE MEDIUM	Pan LIU;	
1,627	20230334163	2022-04-14	PROTECTION OF DOCUMENTS BY QR CODE-BASED STAMP	Eric Stephens;	
1,628	20220237600	2022-04-14	BLOCKCHAIN-BASED RESOURCE TRANSFER METHOD, APPARATUS, NODE DEVICE, AND STORAGE MEDIUM	Mingyang JIANG;	
1,629	20220368683	2022-04-13	SYSTEMS AND METHODS FOR COLLABORATIVE BLOCKCHAIN ESTABLISHMENT FOR BLOCKCHAIN-BASED SECURE KEY EXCHANGE	Muhammad Nomani; John Stokes;	Verizon Patent and Licensing Inc.;
1,630	20220311607	2022-04-13	KEY GENERATION METHOD AND APPARATUS, DEVICE, AND MEDIUM	Maocai LI; Zongyou WANG; Jinsong ZHANG; Huankun HUANG; Kaiban ZHOU; Yifang SHI; Qucheng LIU; Pan LIU; Hu LAN; Changqing YANG; Gengliang ZHU;	
1,631	20220368524	2022-04-12	SYSTEMS AND METHODS FOR BLOCKCHAIN-BASED SECURE KEY EXCHANGE WITH KEY ESCROW FALLBACK	Muhammad Nomani; John Stokes;	Verizon Patent and Licensing Inc.;
1,632	20220345318	2022-04-11	TECHNIQUES FOR PROCESSING TRANSACTIONS OF ORDER-DEPENDENT BLOCKCHAIN PROTOCOLS	Yehuda Berg;	
1,633	20220327240	2022-04-11	METHOD FOR SECURING ASSET MAINTENANCE INFORMATION AND ASSET HAVING A LIFECYCLE BLOCKCHAIN NODE	Christian Deeg; Matthias Manger; Bernd Wacker;	Siemens Aktiengesellschaft;
1,634	20220237706	2022-04-11	Systems and Methods for Usage Based Insurance Via Blockchain	William Leise; Douglas Graff; Stacie McCullough; Shawn Call; Eric Bellas; Jaime Skaggs; Jacob Alt; Eric Moore; Vicki King;	
1,635	20230222494	2022-04-11	STANDARDIZED PHYSICAL ACTION DIGITAL CURRENCY	Paul Kim;	Project Noa, Inc.;
1,636	20220329427	2022-04-11	NON FUNGIBLE TOKENS (NFTS) FOR DECENTRALIZED CAMPAIGN/ATO PLANNING AND EXECUTION	James Regenor;	
1,637	20220237265	2022-04-11	METHOD AND SYSTEM FOR PROVIDING LIMITED DISTRIBUTION OF A DIGITAL MEDIA FILE	Simon-Pierre MARION;	
1,638	20230324045	2022-04-10	COOKING APPLIANCE MONITORING SYSTEM FOR AN APPARATUS FOR COOKING AND A METHOD THEREOF	Tisya Singh;	Other;
1,639	20230328050	2022-04-08	USING AUTHENTICATION CREDENTIALS TO VALIDATE BLOCKCHAIN ADDITIONS	Douglas Grover; Michael Angelo;	MICRO FOCUS LLC;
1,640	20220337439	2022-04-08	RIGHTS-ENABLED TOKENS FOR BLOCKCHAIN APPLICATIONS	Kevin McCOY;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
1,641	20220239470	2022-04-08	CROSS-BLOCKCHAIN DATA PROCESSING METHOD AND APPARATUS, DEVICE, AND COMPUTER STORAGE MEDIUM	Jianjun ZHANG; Zhigang LU; Jinlong ZHANG; Hujia CHEN; Luohai ZHENG; Jun ZANG; Shicheng FENG; Yang MO; Mingyuan GUO;	
1,642	20220231853	2022-04-08	BLOCKCHAIN-BASED COMMUNICATION SYSTEMS AND METHODS	Darin Myman;	DatChat, Inc.;
1,643	20230327853	2022-04-07	SYSTEM AND METHOD FOR GENERATING A BLOCK IN A BLOCKCHAIN NETWORK USING A VOICE-BASED HASH VALUE GENERATED BY A VOICE SIGNATURE	Prashant Khare; Abhishek Trivedi; Gaurav Dadhich; Saurabh Dutta; Shruti Thakur; Parneet Gujral; Zeno Anthony;	
1,644	20220326372	2022-04-07	BLOCKCHAIN TRANSACTIONS WITH LOCATIONS OBTAINED USING SURFACE-PENETRATING RADAR	George JORDANIDES; Connor QUINN; Thomas CASHMAN;	WaveSense, Inc.;
1,645	20220230131	2022-04-07	HIERARCHICAL BLOCKCHAIN ARCHITECTURE FOR GLOBAL TRADE MANAGEMENT	David BENAYOUN; Leon TURETSKY; Jonathan PEKAR; Felix PEKAR; Eric PEKAR; Mary BENAYOUN;	Questaweb Holdings Inc.;
1,646	20220230171	2022-04-07	METHOD AND APPARATUS FOR BLOCKCHAIN COMMUNITY GOVERNANCE, DEVICE AND STORAGE MEDIUM	Lei ZHANG; Bingxin FAN; Qi ZHENG; Chunhui WAN; Wei XIAO;	BEIJING BAIDU NETCOM SCIENCE TECHNOLOGY CO., LTD.;
1,647	20230328048	2022-04-07	Mutable Cryptographic Digital Multimedia Assets	Benji Rogers; Stephen Godfrey; Jann Tosatto;	
1,648	20220229577	2022-04-07	CROSS-BLOCKCHAIN DATA MIGRATION	Pan LIU;	Tencent Technology (Shenzhen) Company Limited;
1,649	20220231869	2022-04-07	CROSS-BLOCKCHAIN MUTUAL DATA STORAGE	Pan LIU;	Tencent Technology (Shenzhen) Company Limited;
1,650	20230327890	2022-04-06	Hiding Proof-of-Space in Blockchain Systems	Shashank Agrawal; Cyril Guyot;	
1,651	20240202719	2022-04-06	Blockchain Micro Transactions	Nils Poschke; David Palmer; Jorge Bento;	
1,652	20220318938	2022-04-06	Method to provide digital design content	Tomoya OGAWA;	
1,653	20220303181	2022-04-04	DECENTRALIZED DATA STORAGE AND PROCESSING FOR IoT DEVICES	Keith Nolan; Mark Kelly; Michael Nolan; Davide Carboni; John Brady; Niall Cahill; Ned Smith; Gregory Burns;	
1,654	20230051854	2022-04-03	MULTI-CHAIN CREDENTIAL MANAGEMENT AND RETRIEVAL OF LOST CREDENTIAL	Kaliraj Manian; Gururaja Narayana; Chezhyan Panneerselvam;	
1,655	20220222590	2022-04-01	BLOCKCHAIN-BASED ROOM INVENTORY MANAGEMENT SYSTEM AND METHOD	Chun Wang; Chung Hsieh; Chih Liu;	OBOOK HOLDINGS INC.; OBOOK INC.;
1,656	20230315579	2022-03-31	BLOCKCHAIN FOR CLOUD DATA MANAGEMENT	Chendil Arumugam; Aditi Maheshwari; Animesh Kumar;	
1,657	20220222237	2022-03-31	SYSTEMS AND METHODS FOR SYNCHRONIZING DATABASE OPERATIONS WITH A DISTRIBUTED BLOCKCHAIN	Stephan Cunningham; Cameron Thacker; John Linden;	
1,658	20220366020	2022-03-31	METHOD AND SYSTEM FOR VERIFYING OWNERSHIP OF A DIGITAL ASSET USING A DISTRIBUTED HASH TABLE AND A PEER-TO-PEER DISTRIBUTED LEDGER	Stephane Savanah; Craig Wright;	
1,659	20220345317	2022-03-31	Medical Data Authentication System, Medical Data Authentication Method, and Computer Program Product Thereof	Yen-Yi Ho; Yen-Yun Huang;	
1,660	20220327529	2022-03-31	Advanced Transactional Protocols And Ecosystem For Smart Contract Authoring And Deployment	RICHARD WILLIAMS; IEVGEN VERZUN;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,661	20230316439	2022-03-30	SYSTEM AND METHOD FOR IMPLEMENTING A DIGITAL DEED AND TITLE VIA NON-FUNGIBLE TOKEN (NFT) AND BLOCKCHAIN	Ilya SLAVIN; Brian SCOTT;	
1,662	20220245202	2022-03-30	Blockchain Enabled Service Provider System	Sanjeev Chaudhry; Rajeev Rawat;	
1,663	20220224545	2022-03-30	METHOD AND APPARATUS FOR OPERATING BLOCKCHAIN SYSTEM, DEVICE AND STORAGE MEDIUM	Chunhui WAN; Yuan WANG; Wei XIAO;	BEIJING BAIDU NETCOM SCIENCE TECHNOLOGY CO., LTD.;
1,664	20220224536	2022-03-30	METHOD AND APPARATUS FOR BLOCKCHAIN COMMUNITY GOVERNANCE, DEVICE AND STORAGE MEDIUM	Lei ZHANG; Bingxin FAN; Qi ZHENG; Chunhui WAN; Wei XIAO;	BEIJING BAIDU NETCOM SCIENCE TECHNOLOGY CO., LTD.;
1,665	20220224540	2022-03-30	Blockchain Enabled Service Provider System	Sanjeev Chaudhry; Rajeev Rawat;	
1,666	20230316397	2022-03-30	BLOCKCHAIN-BASED DIGITAL EXCHANGE PLATFORM WITH REDUCED LATENCY AND INCREASED SECURITY AND EFFICIENCY	Saurabh Uprit; Amar Tayade;	
1,667	20220224513	2022-03-30	BLOCKCHAIN-INCORPORATING DISTRIBUTED AUTHENTICATION SYSTEM	Bhomik Pande; Steven Garcia; Vaibhav Vohra; Rohit Tripathi; Fernando Nakano;	
1,668	20230317224	2022-03-29	PATIENT SPECIFIED HEALTH RECORD ON BLOCKCHAIN	Adhiraj PRAJAPATI;	
1,669	20230296390	2022-03-29	Blockchain Rideshare Data Aggregator Solution	Justin Davis; Ryan Gammelgard;	
1,670	20230281738	2022-03-29	Blockchain Homeshare Data Aggregator Solution	Justin Davis; Ryan Gammelgard;	
1,671	20220310207	2022-03-29	SYSTEMS AND METHODS FOR GENETICALLY BASED BLOCKCHAIN	Alberto Lacaze; Kyle Smith; Karl Murphy;	
1,672	20230360007	2022-03-29	SYSTEM AND METHOD FOR SECURE AND TRACEABLE FUND TRANSFER OPERATION THROUGH A DISTRIBUTED LEDGER	Dilip KRISHNASWAMY; Aayush BHATNAGAR;	
1,673	20230367790	2022-03-28	SYSTEM AND METHOD FOR TIME-SPATIAL DATA PARTITIONING IN A BLOCKCHAIN NETWORK	Dilip KRISHNASWAMY;	
1,674	20230342774	2022-03-28	Atomic Multi-Unit Transfer of Single-Instance Data Units in Sharded Blockchain	Ahto BULDAS; Märt SAAREPERA;	Guardtime SA;
1,675	20220309503	2022-03-28	SECURE AND SEAMLESS INTEGRATION OF TRUSTLESS BLOCKCHAIN MERCHANT CONNECTOR	Charles Sibbach; Todd Chapman;	
1,676	20220222674	2022-03-28	METHOD AND SYSTEM FOR TRANSACTION AUTHORIZATION VIA CONTROLLED BLOCKCHAIN	Jaipal KUMAWAT; Komalpreet KAUR; Vipul MEHROTRA; Ved Pratap Singh CHAUHAN;	MASTERCARD INTERNATIONAL INCORPORATED;
1,677	20230306418	2022-03-28	Selection of Validators in Decentralized Cryptographic Network	Sujay Purandare;	
1,678	20230308301	2022-03-28	CRYPTOGRAPHICALLY GENERATED DATA TETHERED TO BIOLOGICAL DATASET PROVIDED BY A USER THROUGH SYNCHRONIZATION OVER PEER-TO-PEER NODES	ROXANA TEODOR; PETER ASHTON; REMY LYON; SIAMAK SHAHANDASHTI;	
1,679	20220311613	2022-03-28	COMPUTER NETWORK SYSTEMS FOR CRYPTOGRAPHICALLY-SECURED, TOKEN-BASED OPERATIONS AND METHODS OF USE THEREOF	Horacio Barakat; Harsha Kolagani; Kishore Seshagiri; Ashfaq Shaik; John Garahan; Vijay Mayadas; Michael McMahon;	
1,680	20230308285	2022-03-25	RETROACTIVELY ADDING ENCRYPTION AND/OR AUTHENTICATION LEVELS TO A BLOCKCHAIN	DOUGLAS GROVER; MICHAEL ANGELO;	MICRO FOCUS LLC;

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#	Pub. No	Filed	Title	Inventors	Assignees
1,681	20230306116	2022-03-25	RULES MODIFICATIONS	Remy HUSSON; Yelena BALINSKY; Jose Luis Abad PEIRO;	Hewlett-Packard Development Company, L.P.;
1,682	20220215386	2022-03-25	TRANSACTION MANAGEMENT DEVICE, NON-TRANSITORY COMPUTER-READABLE RECORDING MEDIUM HAVING STORED THEREIN TRANSACTION MANAGEMENT PROGRAM, AND TRANSACTION MANAGEMENT METHOD	Yuki Yonekura; Toshiya Shimizu; Shingo Fujimoto;	FUJITSU LIMITED;
1,683	20220215439	2022-03-25	SYSTEM FOR TOKENIZED UTILIZATION OF INVESTMENT INFORMATION	Alfred Blaikie, III; Nathaniel Bradley; Joshua Paugh;	Data Vault Holdings, Inc.;
1,684	20220214995	2022-03-24	BLOCKCHAIN DATA ARCHIVING METHOD, APPARATUS, AND COMPUTER-READABLE STORAGE MEDIUM	Xiaolong WU;	TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED;
1,685	20220216999	2022-03-24	BLOCKCHAIN SYSTEM FOR SUPPORTING CHANGE OF PLAIN TEXT DATA INCLUDED IN TRANSACTION	Yun SUNG;	HYPERCERT CO., LTD.;
1,686	20230305886	2022-03-23	AUTOMATIC UPDATE MANAGEMENT IN A COMPUTING INFRASTRUCTURE	Siva Devulapalli; Swarup Kar; Narsing Raj; Hitendra Kumar;	
1,687	20230306412	2022-03-23	DOCKET CREDENTIAL INSERTION IN NON-FUNGIBLE TOKENS	Nitin Gaur; ARTEM BARGER; Yacov Manevich;	
1,688	20220286354	2022-03-23	Blockchains For Securing IoT Devices	Ned Smith; Keith Nolan; Mark Kelly; Michael Nolan; John Brady; Thiago Macieira; Zheng Zhang; Glen Anderson; Igor Muttik;	
1,689	20230308283	2022-03-22	BLOCKCHAIN PROGRAM VERIFICATIONS	Jose Abad Peiro; Alberto Such Vicente;	
1,690	20230388179	2022-03-22	DATA PROCESSING METHOD, DEVICE, AND STORAGE MEDIUM	Dapeng LI; Yin GAO; Yingjun ZHOU; Zhuang LIU; Feng XIE;	
1,691	20230305884	2022-03-22	METHODS AND SYSTEMS FOR DECENTRALIZED BLOCKCHAIN-SCHEDULED CONTAINER ORCHESTRATION, REPOSITORY AND CODE DEPLOYMENT WITH TOKENIZED TRACKING	Emil DIMITROV;	
1,692	20230308276	2022-03-22	CREATING NON-FUNGIBLE TOKEN SHARDS	Luis Bathen; Akil Sutton; Marc Coq; CEDRIC COOK;	
1,693	20220309594	2022-03-22	Social Network System with Diversity Settings	Scott Harris;	
1,694	20220300966	2022-03-22	MULTI-LAYER DIGITAL ASSET ARCHITECTURE FOR VIRTUAL AND MIXED REALITY ENVIRONMENTS	Christopher Andon; Hien Pham; David Nay;	NIKE, Inc.;
1,695	20220286453	2022-03-22	BLOCK-CHAIN ENABLED SERVICE PROVIDER SYSTEM	Christoph Jentzsch; Simon Jentzsch; Stéphane Tual;	
1,696	20220215382	2022-03-22	BLOCKCHAIN-BASED PRODUCT AUTHENTICATION SYSTEM	Thomas Chen; Jonathan Ko;	
1,697	20230298114	2022-03-21	Blockchain Based System for Storing Data Regarding Ownership and Value of Real Estate Shares	Seth Priebatsch; Christopher Lehman;	
1,698	20230299983	2022-03-21	SYSTEMS AND METHODS FOR FACILITATING BLOCKCHAIN OPERATIONS BASED ON NETWORK CONGESTION	Yuga COHLER;	Coinbase, Inc.;
1,699	20230298001	2022-03-21	NON-FUNGIBLE TOKEN (NFT) PURCHASE AND TRANSFER SYSTEM	Mehak Jethmalani; Rivka Yaskil;	
1,700	20230085677	2022-03-21	SYSTEM FOR ACCESSING NON-FUNGIBLE TOKENS	Joseph Copeland; Tamba Samba;	TouchNFT, LLC;

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#	Pub. No	Filed	Title	Inventors	Assignees
1,701	20240135345	2022-03-21	PLATOONING ASSISTANCE DEVICE, PLATOONING ASSISTANCE METHOD, AND PROGRAM	Tomoaki SHIMOZAWA; Maya MATSUSHITA; Yuka MIZUSHI; Atsushi SHITANAKA;	
1,702	20220207789	2022-03-18	CREDIBLE FRUIT TRACEABILITY METHOD AND DEVICE BASED ON FRUIT TEXTURE ATLAS AND BLOCKCHAIN	Jianping QIAN; Wenbin WU; Yun SHI; Qiangyi YU; Peng YANG;	INSTITUTE OF AGRICULTURAL RESOURCES AND REGIONAL PLANNING, CHINESE ACADEMY OF AGRICULTURAL SCIENCES;
1,703	20230298005	2022-03-17	MULTI-LAYER CRYPTOCURRENCY CONVERSIONS USING AVAILABLE BLOCKCHAIN OUTPUTS	Muhammad Saad; Raoul Johnson; Jakub Burgis;	
1,704	20230298008	2022-03-17	OMNIVERSE PLATFORM FOR PREDICTIVE DIGITAL ASSET IDENTIFICATION AND RECOMMENDATION IN DIFFERENT METAVERSES	Pankaj Sarin;	
1,705	20240171407	2022-03-17	IMPROVED METHODS & SYSTEMS FOR SIGNATURE VERIFICATION IN BLOCKCHAIN-IMPLEMENTED DATA APPLICATIONS	Craig WRIGHT; Jack DAVIES;	
1,706	20220209958	2022-03-16	SYSTEMS AND METHODS FOR STATE OF DATA MANAGEMENT	Fortune Vieyra;	ZANTHUM CORPORATION;
1,707	20230298016	2022-03-15	SYSTEMS AND METHODS FOR VALIDATING ASSET DESTINATIONS IN BLOCKCHAIN NETWORKS	Kevin Osborn; Xiaoguang Zhu; Samuel Rapowitz;	
1,708	20230299969	2022-03-15	TRUNK-AND-BRANCH BLOCKCHAIN LEDGER ARCHITECTURE FOR VALIDATION OF CLAIMS	Kyle Tothill; John Brothers;	
1,709	20220254445	2022-03-15	COMPUTER IMPLEMENTED METHOD OF PERSONAL IDENTITY VERIFICATION INCLUDING BLOCKCHAIN ENHANCEMENTS	Grant Bitter;	
1,710	20220209948	2022-03-15	BLOCKCHAIN NOTIFICATION BOARD STORING BLOCKCHAIN RESOURCES	Futoshi Iwama; Takaaki Tateishi; Shunichi Amano; Sachiko Yoshihama;	
1,711	20230298034	2022-03-15	DECENTRALIZED NETWORK WITH NEAR INSTANTANEOUS TERMINAL TRANSFERS	Bryan Nonni;	
1,712	20240045851	2022-03-15	METHODS, ARCHITECTURES, APPARATUSES AND SYSTEMS DIRECTED TO BLOCKCHAIN-ENABLED MODEL STORAGE, SHARING AND DEPLOYMENT FOR SUPPORTING DISTRUBUTED LEARNING	Xu Li; Chonggang Wang; Paul Russell;	
1,713	20230289790	2022-03-14	Interface for Constructing Smart Protocols for Execution on Blockchain Platforms	Muhammad Saad; Raoul Johnson; Jakub Burgis;	
1,714	20220198458	2022-03-14	SYSTEMS AND METHODS FOR BLOCKCHAIN BASED IDENTITY ASSURANCE AND RISK MANAGEMENT	AGASTHYA NARENDRANATHAN; JAMES DZIERZANOWSKI;	
1,715	20240202718	2022-03-14	BLOCKCHAIN BASED SYSTEM AND METHOD	Craig WRIGHT; Jack DAVIES;	
1,716	20220198468	2022-03-14	SPEECH INFORMATION COMMUNICATION MANAGEMENT METHOD AND APPARATUS, STORAGE MEDIUM, AND DEVICE	Chunyong CHEN;	TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED;
1,717	20220198482	2022-03-14	SYSTEM AND METHOD FOR ADJUSTING AN AUTOMATED TRADE TRANSACTION	Christopher FLOERSCH;	
1,718	20240163113	2022-03-14	DISTRIBUTED CRYPTOGRAPHIC SYSTEM TO ARCHIVE DATA COMPRISING A MULTIPLICITY OF AUTONOMOUS SETS OF BLOCKCHAINS	Antonio STUCCHI;	
1,719	20220318918	2022-03-12	DISTRIBUTED LEDGER AND BLOCKCHAIN TECHNOLOGY-BASED RECRUITMENT, JOB SEARCHING AND/OR PROJECT SEARCHING, SCHEDULING, AND/OR ASSET TRACKING AND/OR MONITORING, AND/OR PRINCIPAL/AGENT RELATIONSHIP MANAGEMENT AND/OR MONITORING, APPARATUS AND METHOD	RAYMOND JOAO;	
1,720	20230291575	2022-03-11	PKI-BASED AUTHENTICATION OF BLOCKCHAIN ADDRESSES	Ben Riva;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,721	20220200973	2022-03-11	BLOCKCHAIN SCHEMA FOR SECURE DATA TRANSMISSION	Kenneth TOLA; Keith WITHINGTON;	
1,722	20220405402	2022-03-11	SYSTEM AND METHOD FOR A GLOBAL PATENT REGISTRY	ERICH SPANGENBERG;	
1,723	20220407867	2022-03-11	PROOF OF AUTHORITY BASED ACCESS TO DEVICES ON A NETWORK WITH LOCAL TOKEN ACQUISITION	Ghanshyam RATHI; Prisha RATHI;	
1,724	20220198481	2022-03-11	SYSTEM AND METHOD FOR SECURING AUTOMATED TRADE TRANSACTION	Christopher FLOERSCH;	
1,725	20240039731	2022-03-11	Authenticated Modification of Blockchain-Based Data	Michael Kanovitz; Jon Loevy;	
1,726	20240152888	2022-03-11	UNIVERSAL PAYMENT CHANNEL	Mohammad Minaei Bidgoli; Ranjit Kumaresan; Srinivasan Raghuraman; Mahdi Zamani; Arjuna Wijeyekoon;	Visa International Service Association;
1,727	20220198457	2022-03-10	DEBT REPAYMENT SYSTEM AND DEBT MANAGEMENT METHOD	Chia-Yeh Hsu;	
1,728	20220201047	2022-03-10	SYSTEM AND METHOD OF DECENTRALIZED MANAGEMENT OF DEVICE ASSETS OUTSIDE A COMPUTER NETWORK	Sathyanarayanan MANAMOHAN; KrishnaPrasad SHASTRY; Avinash PANDEY; Ravi SARVESWARA;	
1,729	20230291564	2022-03-09	BLOCKCHAIN ENHANCED IDENTITY ACCESS MANAGEMENT SYSTEM	Marek Zidek; Mazen Baragaba; Muhammad Aljuaid;	
1,730	20220198575	2022-03-09	Systems and Methods for Usage Based Insurance Via Blockchain	William Leise; Douglas Graff; Stacie McCullough; Shawn Call; Eric Bellas; Jaime Skaggs; Jacob Alt; Eric Moore; Vicki King;	
1,731	20220292216	2022-03-09	SYSTEM AND METHOD FOR SECURING AND FACILITATING ACCESS TO A DIGITAL LEGACY	Glenn Devitt;	Digital Legacy AI, Inc.;
1,732	20220207535	2022-03-09	SYSTEM AND METHOD OF INCORPORATING CONFIDENTIAL AND UNIQUE INFORMATION INTO PROTECTION MEASURES, WITH REAL TIME EVALUATIONS OF ENVIRONMENTAL CONDITIONS AND EXPOSURE UNIQUE TO EACH USER	Jeffrey Miller;	
1,733	20220198418	2022-03-08	SYSTEMS AND METHODS FOR COMMERCE IN A DISTRIBUTED SYSTEM WITH BLOCKCHAIN PROTOCOLS AND SMART CONTRACTS	Jimmy KANG; Evan Frohlich; Joshua Katz;	
1,734	20220222246	2022-03-08	PLATFORM FOR CREATING AND USING ACTIONABLE NON-FUNGIBLE TOKENS (KNFT)	John Rich; Cameron Bale; Andrew Maizels; Andrew Horn; Angela Ung; Fagner Lordello;	Peoplebrowsr Inc.;
1,735	20240187259	2022-03-08	METHOD AND APPARATUS FOR GENERATING, PROVIDING AND DISTRIBUTING A TRUSTED ELECTRONIC RECORD OR CERTIFICATE BASED ON AN ELECTRONIC DOCUMENT RELATING TO A USER	Mike Bergmann;	
1,736	20240205030	2022-03-08	UNIFORM RESOURCE IDENTIFIER	Craig WRIGHT; Alexander GRAHAM; Jack DAVIES;	
1,737	20220191038	2022-03-07	TAMPERING VALIDATION METHOD AND TAMPERING VALIDATION SYSTEM	Kotaro Endo;	
1,738	20220191272	2022-03-07	Service Meshes and Smart Contracts for Zero-Trust Systems	Vijay Madisetti; Arshdeep Bahga;	Other;
1,739	20240214179	2022-03-07	BLOCKCHAIN-IMPLEMENTED HASH FUNCTION	Craig WRIGHT; Wei ZHANG; Alec BURNS;	
1,740	20220188819	2022-03-04	MODULAR, CONFIGURABLE SMART CONTRACTS FOR BLOCKCHAIN TRANSACTION PROCESSING	Nikola OGNJANOVIC; David JARCZYK; Michal POL; Jenny LI;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,741	20220191021	2022-03-04	BLOCKCHAIN-IMPLEMENTED METHOD AND SYSTEM	Gavin Allen;	
1,742	20230298023	2022-03-03	ELECTRIC ENERGY AND CARBON EMISSION MEASUREMENT ACCOUNTING METHOD BASED ON DIGITAL PAYMENT WALLET AND BLOCKCHAIN	Xizhong ZHOU;	
1,743	20240146509	2022-03-03	Method and Apparatus for Generating Random Number in Blockchain	Changchun MU; Gang DI; Youcai QIAN; Qingjie CHEN; Jinzhao DU;	
1,744	20230281617	2022-03-03	METHOD AND SYSTEM OF TRANSACTION DISPUTE RESOLUTION	Oskar DURIS; Jamal KHAN; Sasyasri GEEDIPALLI; Biser DIMITROV; Sébastien LE CALLONNEC;	MASTERCARD INTERNATIONAL INCORPORATED;
1,745	20220286277	2022-03-03	UNMANNED DRIVING INFORMATION STORAGE AND PLAYBACK METHOD, DEVICE AND STORAGE MEDIUM	Kexin He;	
1,746	20230034771	2022-03-02	AUDITABLE AND TAMPER-RESISTANT REMOTE ZERO TRUST ACCESS	Jack Dalton;	
1,747	20220284432	2022-03-02	GEOBLOCKCHAIN AUTHENTICATION OF MAP RELATED DATA	Konstantinos Papantoniou; Brent Jones;	
1,748	20230283488	2022-03-01	BLOCKCHAIN RULES ENGINE	Neeraj Srivastava;	
1,749	20220382781	2022-03-01	Method and system for cell operations using a blockchain data network	Howard Cannon; Thomas Farb;	
1,750	20220318796	2022-03-01	STABLE TOKEN CREATION, PROCESSING AND ENCRYPTION ON BLOCKCHAIN	Xiaomeng ZHOU; Scott MOELLER; Jacqueline SNELL; Andrew YEE; David TCHEAU; Denny TRAN; David DENG;	
1,751	20220292468	2022-03-01	SYSTEMS AND METHODS FOR STREAMLINING CREDIT AND/OR DEBIT CARD TRANSACTIONS UTILIZING BLOCKCHAIN SUPPORTED CREDIT TOKENS AND/OR DEBIT TOKENS	Jun Yan;	
1,752	20220188353	2022-03-01	NFT PRODUCTION FROM FEATURE FILMS FOR ECONOMIC IMMORTALITY ON THE BLOCKCHAIN	Christoph Bertsch; Rodney Lake; Douglas Sturgeon; Anthony Sziklai;	
1,753	20230281609	2022-03-01	ELECTRONIC RESOURCE TRANSFER PLATFORM UTILIZING A MULTI-PATH RECOMMENDATION ENGINE	Prashant Khare; Raman Natarajan; Bhaskar Swain;	BANK OF AMERICA CORPORATION;
1,754	20220188839	2022-03-01	SYSTEMS AND METHODS FOR PROVISIONING CRYPTOGRAPHIC DIGITAL ASSETS FOR BLOCKCHAIN-SECURED RETAIL PRODUCTS	Christopher Andon; Hien Pham;	NIKE, Inc.;
1,755	20230276197	2022-02-28	SYSTEMS AND METHODS FOR VALIDATION OF WIRELESS NETWORK INFRASTRUCTURE USING BLOCKCHAIN TECHNIQUES	Sumanth Mallya; Dante Pacella;	Verizon Patent and Licensing Inc.;
1,756	20220274703	2022-02-28	Autonomous Inspection System within a Smart Self-Healing Node Centric Blockchain Network for Safety and Quality Management	Michele Di Cosola;	
1,757	20220269668	2022-02-28	USING A DISTRIBUTED LEDGER FOR TOTAL LOSS MANAGEMENT	William Leise; Jacob Alt; Jaime Skaggs; Eric Bellas; Shawn Call; Eric Moore; Melinda Magerkurth; Vicki King;	
1,758	20220180450	2022-02-28	EVIDENCE ORACLES	William Leise; Douglas Graff; Anthony McCoy; Jaime Skaggs; Shawn Call; Stacie McCullough; Wendy Clayton; Melinda Magerkurth; Kim Flesher; Travis Runge;	
1,759	20230274020	2022-02-25	USING A TRUSTED AUTHORITY TO ENFORCE ENCRYPTION LEVELS/AUTHENTICATION LEVELS IN A BLOCKCHAIN	Douglas Grover;	MICRO FOCUS LLC;
1,760	20230275757	2022-02-25	SYSTEMS AND METHODS FOR FACILITATING SECURE BLOCKCHAIN OPERATIONS IN DECENTRALIZED APPLICATIONS USING CRYPTOGRAPHY-BASED, STORAGE APPLICATIONS IN COMPUTER NETWORKS	Ankit CHIPLUNKAR; Ben Schreck; Matt Moore; Olivia Thet; Peter Kim; Trevor Aron;	Coinbase, Inc.;

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#	Pub. No	Filed	Title	Inventors	Assignees
1,761	20230275769	2022-02-25	SYSTEMS AND METHODS FOR LINKING CRYPTOGRAPHY-BASED DIGITAL REPOSITORIES TO PERFORM BLOCKCHAIN OPERATIONS IN DECENTRALIZED APPLICATIONS	Ankit CHIPLUNKAR; Ben SCHRECK; Matt MOORE; Olivia THET; Peter KIM; Trevor ARON;	Coinbase, Inc.;
1,762	20230066860	2022-02-25	DECENTRALIZED INCENTIVIZED MIXNET	Harry Halpin; Claudia Diaz;	
1,763	20220180375	2022-02-25	BLOCKCHAIN-BASED PRODUCT AUTHENTICATION SYSTEM	Thomas Chen; Jonathan Ko;	
1,764	20230206634	2022-02-24	BLOCKCHAIN RECORDATION AND VALIDATION OF VIDEO DATA	Amol Ajgaonkar;	
1,765	20220284428	2022-02-24	STABLE DIGITAL TOKEN PROCESSING AND ENCRYPTION ON BLOCKCHAIN	Xiaomeng ZHOU; Scott MOELLER; Jacqueline SNELL; Andrew YEE; David TCHEAU; Denny TRAN; David DENG;	
1,766	20230267226	2022-02-24	BLOCKCHAIN-BASED OPERATIONS	Helen Balinsky; Derek Lukasik;	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.;
1,767	20230267457	2022-02-24	PRIVACY PRESERVING ASSET TRANSFER BETWEEN NETWORKS	Kaoular El Khiyaoui; Angelo De Caro; Yacov Manevich; Hagar Meir; Elli Androulaki;	
1,768	20230231719	2022-02-24	METHOD, APPARATUS, ELECTRONIC DEVICE, AND MEDIUM FOR DATA TRANSFER	Yizhou Zhou; Tao Qing; Yu Yan;	
1,769	20220182368	2022-02-24	Method and System for Zero-Knowledge and Identity Based Key Management for Decentralized Applications	Vijay Madisetti; Arshdeep Bahga;	Other;
1,770	20230306128	2022-02-23	SYSTEMS AND METHODS FOR USING SECURE, ENCRYPTED COMMUNICATIONS ACROSS DISTRIBUTED COMPUTER NETWORKS TO PROVIDE VARIABLE RESILIENCY WHEN INDEXING BLOCKCHAIN STATES FOR PERFORMING BLOCKCHAIN OPERATIONS IN DECENTRALIZED APPLICATIONS USING CRYPTOGRAPHY-BASED DIGITAL REPOSITORIES	Ben SCHRECK; Ankit CHIPLUNKAR; Matt MOORE; Olivia THET; Peter KIM; Trevor ARON;	San Francisco;
1,771	20230267518	2022-02-23	INTELLIGENTLY MANAGING INVOICE PROCESSING USING BLOCKCHAIN AND MIXED REALITY APPLICATIONS	Anil Arora; Vijay Shekhawat; Shahid Gorewal; Pankaj Kumar; Sreekanth Maringanti; Vidhya Vaithiyanathan; Raja Maharaja;	
1,772	20230269084	2022-02-23	SYSTEMS AND METHODS FOR SELECTING SECURE, ENCRYPTED COMMUNICATIONS ACROSS DISTRIBUTED COMPUTER NETWORKS FOR CRYPTOGRAPHY-BASED DIGITAL REPOSITORIES IN ORDER TO PERFORM BLOCKCHAIN OPERATIONS IN DECENTRALIZED APPLICATIONS	Ben SCHRECK; Ankit Chiplunkar; Matt Moore; Olivia Thet; Peter Kim; Trevor Aron;	Coinbase, Inc.;
1,773	20230269086	2022-02-23	SYSTEMS AND METHODS FOR USING SECURE, ENCRYPTED COMMUNICATIONS ACROSS DISTRIBUTED COMPUTER NETWORKS TO EFFICIENTLY INDEX BLOCKCHAIN STATES FOR PERFORMING BLOCKCHAIN OPERATIONS IN DECENTRALIZED APPLICATIONS USING CRYPTOGRAPHY-BASED DIGITAL REPOSITORIES	Ben SCHRECK; Ankit CHIPLUNKAR; Matt MOORE; Olivia THET; Peter KIM; Trevor ARON;	Coinbase, Inc.;
1,774	20230269085	2022-02-23	SYSTEMS AND METHODS FOR USING SECURE, ENCRYPTED COMMUNICATIONS ACROSS DISTRIBUTED COMPUTER NETWORKS TO EFFICIENTLY UPDATE CRYPTOGRAPHY-BASED DIGITAL REPOSITORIES FOR PERFORMING BLOCKCHAIN OPERATIONS IN DECENTRALIZED APPLICATIONS	Ben SCHRECK; Ankit CHIPLUNKAR; Matt MOORE; Olivia THET; Peter KIM; Trevor ARON;	Coinbase, Inc.;
1,775	20230267220	2022-02-23	PRIVACY PRESERVING ASSET TOKEN EXCHANGE	Kaoutar El Khiyaoui; Yacov Manevich; Angelo De Caro; Hagar Meir; Elli Androulaki;	
1,776	20230267495	2022-02-23	LIQUIDITY POOLS FOR TOKENIZED REWARDS	Xiaoguang Zhu; Kevin Osborn; Samuel Rapowitz;	
1,777	20230214365	2022-02-23	METHOD FOR STORING DATA	Seokwoo Ahn; Myongsik Gong; Daeun Jeong; Kyungil Cho; Sangyeon Woo;	
1,778	20220270093	2022-02-23	SYSTEM AND METHOD FOR DETECTING INTRUSIONS BY RECOGNIZING UNAUTHORIZED CRYPTOCURRENCY TRANSACTIONS AT AN OPTIMIZED COST	Ariel Futoransky; Jonatan Altszul; Matias Travizano;	
1,779	20220191685	2022-02-23	SUBSCRIBER IDENTITY MANAGEMENT METHOD, DEVICE, AND SYSTEM	Weihua HU; Yanping ZHANG; Jianan HONG;	HUAWEI TECHNOLOGIES CO., LTD.;
1,780	20230132657	2022-02-22	BLOCKCHAIN SERVER COMPUTING CAPABILITY ALLOCATION METHOD AND SYSTEM	Liang LU;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
1,781	20220270190	2022-02-22	SYSTEMS AND METHODS OF SCALING FACILITY TECHNOLOGY ADOPTION	Leif Elgethun;	
1,782	20220180288	2022-02-21	FLEET TRIGGER-BASED INCENTIVES WITH BLOCKCHAIN	Abraham MEZAAEL; Thomas WOLOSZYN; Shaheer AHMED;	
1,783	20220179999	2022-02-21	SEAL MANAGEMENT METHOD AND SEAL MANAGEMENT APPARATUS	Toshiyuki UEHARA; Yoshiaki TAKAHASHI;	
1,784	20220171776	2022-02-18	BLOCK PROCESSING METHOD AND APPARATUS, AND BLOCKCHAIN-BASED DATA QUERY METHOD AND APPARATUS	Xin LI;	TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED;
1,785	20220171826	2022-02-18	METHODS AND APPARATUS FOR CHECKING THE RESULTS OF CHARACTERIZED MEMORY SEARCHES	Jonathan Harms;	
1,786	20220174473	2022-02-18	System and Method for Registration During Device Onboarding	Alec Rooney; Denis Bakin; Zachary Mattor; Nicole Zheng; Graham Chynoweth;	
1,787	20230261874	2022-02-17	Method and System to Generate Personalized Digital Code from Unique Genome Pattern for Use in Identification and Application on Blockchain	Isaac Kise Lee;	
1,788	20220173887	2022-02-17	VERIFYING AN IDENTITY BASED ON MULTIPLE DISTRIBUTED DATA SOURCES USING A BLOCKCHAIN TO SAFEGUARD THE IDENTITY	Sri KRISHNAMACHARYA; Quang LE; Stan TIGRETT; Russ AYRES;	
1,789	20230261870	2022-02-16	BLOCKCHAIN AUGMENTED NETWORK PROTOCOL	Saswata Basu; Thomas Austin;	
1,790	20220171876	2022-02-16	BLOCKCHAIN BASED INFORMATION MANAGEMENT	James Pratt; Nigel Bradley; Eric Zavesky; Nikhil Marathe; Timothy Innes;	
1,791	20220172162	2022-02-16	SYSTEM AND METHOD FOR FORECASTING DELIVERIES VIA BLOCKCHAIN SMART CONTRACTS USING HYPERSPECTRAL COMPUTER VISION	Tarun Dasari; Aditya Cheruku; Anand Banik; Sumanth Talasila; Kishore Sasthiri; Murthy Kolluru;	
1,792	20220173888	2022-02-16	BLOCKCHAIN CONSENSUS METHODS AND SYSTEMS	Runting Shi; Rafael Pass; Yue Guo;	
1,793	20230261877	2022-02-16	BLOCKCHAIN-BASED COLLABORATIVE MAINTENANCE PLATFORM	Rahul Gujarathi;	
1,794	20220335530	2022-02-16	SYSTEM AND METHOD FOR VERIFIED IP ASSET PROFILES AND RANKINGS	Erich Spangenberg;	
1,795	20230259918	2022-02-15	Decentralized Identity on Blockchain for a Multi-sided Network	Anita Rao; Sargis Dudaklyan;	
1,796	20230261869	2022-02-15	PROCESS FOR CREATING A TRADABLE NONFUNGIBLE TOKEN FOR RECYCLABLE MATERIALS	Charles Russell, III;	Matter Management Enterprises, LLC;
1,797	20230262092	2022-02-15	BLOCKCHAIN-DRIVEN DYNAMIC ACCESS CONTROL	Leigh Griffin; Aoife Moloney;	
1,798	20220245126	2022-02-15	SYSTEMS, DEVICES, AND METHODS FOR TRACKING CREATION AND MODIFICATION OF DIGITAL RECORDS	Hajo Krabbenhöft; Joe Naylor;	
1,799	20220165125	2022-02-14	SECURELY STORING MACHINE DATA ON A NON-VOLATILE MEMORY DEVICE	Nimish Purohit; Tyson Adams; Rex Carlson; Garrett Hill; Rajendrasinh Jadeja;	
1,800	20220165310	2022-02-11	Hard Disk Device Based on Blockchain	Yuanzhi WANG; Zizhen SHI; Xin ZHENG; Zhong HUANG; Juan LIU; Zhouping YIN;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,801	20230259888	2022-02-11	BLOCKCHAIN-BASED APPOINTMENT MANAGEMENT	Tiberiu SUTO; Shanthan CHAMALA; Shikhar KWATRA; Vinod VALECHA;	
1,802	20230259924	2022-02-11	DIGITAL CHECKS	Anthony Zamora; Eliodoro Batingana;	
1,803	20220261746	2022-02-11	METHOD FOR MANAGING TEMPERATURE INFORMATION OF TRANSPORTED CARGO, TERMINAL DEVICE, INFORMATION PROCESSING APPARATUS, PROGRAM, AND MANUFACTURING METHOD	Yasuhiro OHYAMA; Yoshiaki TABATA; Takashi ONO; Tatsuru WAKIMOTO; Shinichi YAMAMOTO; Yusaku MATSUO; Kenichiro SUZUKI; Shinichi IOKA; Takehiko AKAKABE;	SYSMEX CORPORATION;
1,804	20220166626	2022-02-11	Verifying Integrity and Secure Operations of Cloud-Based Software Services	Vijay Madisetti; Arshdeep Bahga;	Other;
1,805	20230146338	2022-02-10	METHODS, MODULE AND BLOCKCHAIN FOR DISTRIBUTED PUBLIC KEYSTORE	Joseph GED; David KHOURY; Elie KFOURY;	WONE SAGL;
1,806	20220253870	2022-02-10	BLOCKCHAIN NETWORK SUPPLIER VERIFICATION	Christopher JONES; Lance CLEVELAND;	
1,807	20240121119	2022-02-10	Method and Apparatus for Classifying Blockchain Address	Changchun MU; Gang DI; Sude QING; Yanhui WANG; Junwei ZENG; Hao WU;	
1,808	20240121120	2022-02-10	Methods and Apparatuses for Registering and Executing Smart Contract in Blockchain	Kaikai FENG;	
1,809	20240121121	2022-02-10	Registration and Execution Methods, Apparatuses and System of Timed Smart Contract in Blockchain	Kaikai FENG;	
1,810	20240146553	2022-02-10	Registration and Execution Methods and Apparatuses of Timed Smart Contract in Blockchain	Kaikai FENG;	
1,811	20220245724	2022-02-10	SECURING DISTRIBUTED ELECTRONIC WALLET SHARES	Michael Nolan; Davide Carboni; Ned Smith;	
1,812	20230252023	2022-02-09	SYSTEMS AND METHODS FOR OFF-CHAIN ACTION ORCHESTRATION USING BLOCKCHAIN EVENTS	Ahmed Khan; Mohammed Qaudeer; Abdul Raheem; David Szol; Rasmi Samal;	Verizon Patent and Licensing Inc.;
1,813	20230252482	2022-02-09	LOCK CONTRACTS IN BLOCKCHAIN NETWORKS	Angelo De Caro; Yacov Manevich; Kaoutar El Khiyaoui; Dhinakaran Vinayagamurthy; VENKATRAMAN RAMAKRISHNA;	
1,814	20220270089	2022-02-09	TRANSACTION ACCOUNT DATA MAINTENANCE USING BLOCKCHAIN	FARAZ BABAR; AIMEE CARDWELL; ANDRAS FERENCZI; DALLAS GALE; NILESH JADHAV; ASHISH KUMAR; HARISH NAIK; LAVANYA VENKATANARAYANAN;	
1,815	20220335037	2022-02-09	Trustless Stateless Incentivized Remote Node Network Using Minimal Verification Clients	Christoph Jentzsch; Steffen Kux; Simon Jentzsch; Jean Ruiz Depraz;	
1,816	20230206216	2022-02-08	BLOCKCHAIN BRIDGE SYSTEMS, METHODS, AND STORAGE MEDIA FOR TRADING NON- FUNGIBLE TOKEN	Laura LEHMANN; Sorat TUNGKASIRI;	
1,817	20230274283	2022-02-08	METHOD AND SYSTEM FOR TRANSFER OF OWNERSHIP OF NFT (NON-FUNGIBLE TOKEN) UPON REFUND TRANSACTION IN PAYMENT NETWORK	Dmytro KRYVOSHEI; Rakesh YADAV; Biser DIMITROV;	MASTERCARD INTERNATIONAL INCORPORATED;
1,818	20220253961	2022-02-08	SYSTEM AND METHOD FOR PATENT REGISTRATION AND PATENT OWNERSHIP VERIFICATION	Erich Spangenberg; Daniel Bork;	
1,819	20230252088	2022-02-07	SYSTEMS AND METHODS FOR SECURE DOCUMENT MANAGEMENT	Kolin Porter; Logan Turley;	EscrowTab, Inc.;
1,820	20230252405	2022-02-07	ITEM TRACKING WITH A WIRELESS COMMUNICATION SYSTEM BASED ON A FIFTH GENERATION IDENTIFIER (5GID) AND A GLOBAL TRACKING ITEM NUMBER (GTIN)	Mark Bales; Lyle Bertz; Robert Butler; Lyle Paczkowski;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,821	20220165098	2022-02-07	System and Method for Toll Transactions Utilizing a Distributed Ledger	Brian Hausman;	
1,822	20220253402	2022-02-06	BLOCKCHAIN MINING PLATFORM	Kathleen Hobson; Robert Hobson; Richard Bigelow; Henry Hodge;	
1,823	20220299337	2022-02-04	BATTERY POWER MANAGEMENT APPARATUS AND METHOD FOR ELECTRIC VEHICLES AND/OR HYBRID VEHICLES	RAYMOND JOAO;	
1,824	20220156837	2022-02-04	DISTRIBUTED LEDGER IMPLEMENTATION FOR ENTITY FORMATION AND MONITORING SYSTEM	Muhammad Malik; Rafael Lopez; Van Phu;	ZenBusiness PBC;
1,825	20220157043	2022-02-04	DISTRIBUTED RETRIEVAL METHOD, APPARATUS, AND SYSTEM, COMPUTER DEVICE, AND STORAGE MEDIUM	Songlin XU; Yanbin YANG;	
1,826	20220230147	2022-02-03	METHODS AND SYSTEMS FOR RECORDING MULTIPLE TRANSACTIONS ON A BLOCKCHAIN	Craig Wright; Stephane Savanah;	
1,827	20240089130	2022-02-03	METHODS FOR BLOCKCHAIN OFFLINE OPERATIONS MANAGEMENT	Chonggang Wang; Xu Li; Paul Russell;	INTERDIGITAL PATENT HOLDINGS, INC.;
1,828	20230245111	2022-02-02	SYSTEMS AND METHODS FOR REQUESTING SECURE, ENCRYPTED COMMUNICATIONS ACROSS DISTRIBUTED COMPUTER NETWORKS FOR AUTHORIZING USE OF CRYPTOGRAPHY-BASED DIGITAL REPOSITORIES IN ORDER TO PERFORM BLOCKCHAIN OPERATIONS IN DECENTRALIZED APPLICATIONS	Adam Everspaugh; Michael Lodder;	Coinbase, Inc.;
1,829	20230246822	2022-02-02	SYSTEMS AND METHODS FOR PROVIDING SECURE, ENCRYPTED COMMUNICATIONS ACROSS DISTRIBUTED COMPUTER NETWORKS BY COORDINATING CRYPTOGRAPHY-BASED DIGITAL REPOSITORIES IN ORDER TO PERFORM BLOCKCHAIN OPERATIONS IN DECENTRALIZED APPLICATIONS	Adam EVERSPAUGH; Michael LODDER;	Coinbase, Inc.;
1,830	20230246817	2022-02-02	SYSTEMS AND METHODS FOR GENERATING SECURE, ENCRYPTED COMMUNICATIONS ACROSS DISTRIBUTED COMPUTER NETWORKS FOR AUTHORIZING USE OF CRYPTOGRAPHY-BASED DIGITAL REPOSITORIES IN ORDER TO PERFORM BLOCKCHAIN OPERATIONS IN DECENTRALIZED APPLICATIONS	Adam EVERSPAUGH; Michael LODDER;	Coinbase, Inc.;
1,831	20230246850	2022-02-02	SYSTEMS AND METHODS FOR GENERATING SECURE, ENCRYPTED COMMUNICATIONS ACROSS DISTRIBUTED COMPUTER NETWORKS FOR AUTHORIZING USE OF CRYPTOGRAPHY-BASED DIGITAL REPOSITORIES IN ORDER TO PERFORM BLOCKCHAIN OPERATIONS IN DECENTRALIZED APPLICATIONS	Dr EVERSPAUGH; Michael LODDER;	Coinbase, Inc.;
1,832	20220158836	2022-02-02	Fork Processing Method And Blockchain Node	Danyang LI; Xun LIU; Ji WANG; Chunyu CAI; Fan PAN;	
1,833	20230245112	2022-02-02	NON-INTERACTIVE TOKEN CERTIFICATION AND VERIFICATION	Angelo De Caro; Kaoutar El Khiyaoui; Yacov Manevich; Elli Androulaki;	
1,834	20230245137	2022-02-01	BLOCKCHAIN SYSTEMS AND METHODS FOR PROTECTING BRANDS, OPERATORS AND CONSUMERS AGAINST COUNTERFEITING	David McCullough; Jessica Billingsley; Thomas Marchi;	
1,835	20220159761	2022-02-01	SYSTEMS AND METHODS FOR IMPROVING WIRELESS MESH NETWORKS	Kevin Ross; Muhammad Naim;	
1,836	20220383296	2022-01-31	Novel Security Relational Distributed Ledger Data Base Management System using Blockchain Security, with digital Wallets. Tokens and Non Fungible Tokens in an Evidence Chain of Custody (Ecoin or Veritas Token) and Validation process for an unique and novel "Proof Of Truth" protocol.	Karla Gottschalk;	
1,837	20220245976	2022-01-31	SecureConnex	James Luciano;	
1,838	20220230169	2022-01-31	Systems and Methods for Extending the Utility of Blockchains Through Use of Related Child Blockchains	Jeff Stollman;	
1,839	20230244546	2022-01-30	UPGRADING OR DOWNGRADING HARDWARE BY SEAMLESSLY ADJUSTING USAGE OF COMPUTATIONAL RESOURCES ON COMPUTING DEVICE	Akash Dhoot; Madhu Akhilesham; Niteen Lakhe; Venkata Vara Prasad Karri; Shailendra Moyal;	
1,840	20240160505	2022-01-30	METHOD OF PROCESSING AGREEMENT TASK	Mingyuan Ma; Hongxiang Shen;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
1,841	20220398579	2022-01-29	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS TO ENABLE COMPLEX FUNCTIONALITY ON A BLOCKCHAIN WHILE PRESERVING SECURITY-BASED RESTRICTIONS ON SCRIPT SIZE AND OPCODE LIMITS	Stephane VINCENT;	
1,842	20220253457	2022-01-28	Block Generation Control Method Applied to Blockchain and Related Apparatus	Wenbin Cheng; Mengbin Le;	
1,843	20220147988	2022-01-27	CREATING A SMART CONTRACT ON A BLOCKCHAIN LEDGER	Tatiana ALEXA; Stan MASHOV;	SANGROVE, INC.;
1,844	20220366063	2022-01-27	Authenticated and Authorized Transfer of Content Over a Communication Network	George Pantazelos;	
1,845	20220237267	2022-01-27	BLOCKCHAIN-BASED LICENSE MANAGEMENT FRAMEWORK	Fernando DIAZ; Aurora RAMOS; Josep MARTRAT;	BULL SAS;
1,846	20230308904	2022-01-26	DATA PROCESSING METHOD, DEVICE AND STORAGE MEDIUM	Dapeng LI; Yin GAO; Yingjun ZHOU; Zhuang LIU; Feng XIE;	
1,847	20230288952	2022-01-25	Storage Device Throttling in Proof of Space Blockchain Systems	Ran Zamir; David Avraham; Alexander Bazarsky;	
1,848	20230237473	2022-01-25	SYSTEM AND METHOD FOR DEVICE MANAGEMENT OF INFORMATION HANDLING SYSTEMS USING CRYPTOGRAPHIC BLOCKCHAIN TECHNOLOGY	Vaishnavi Suchindran; Ravi Singh;	Dell Products, L.P.;
1,849	20220398591	2022-01-25	SYSTEMS AND METHODS FOR BIOMETRIC TRANSACTION MANAGEMENT	Sharron Battle;	
1,850	20220253813	2022-01-24	CRYPTOGRAPHICALY SECURED HYBRID (ON AND OFF BLOCKCHAIN) CRYPTOCURRENCY SYSTEM	Michal Pospieszalski;	MatterFi;
1,851	20230261876	2022-01-23	TRUST AND TRACEABILITY FOR SOFTWARE DEVELOPMENT LIFE CYCLE	Dhilip Kumar; Rohit Gosain; Souptik Banerjee; Rajesh Krishnan;	
1,852	20220255725	2022-01-21	SYSTEM AND METHOD FOR AUTHORIZING TRANSACTIONS IN AN AUTHORIZED MEMBER NETWORK	Austin WALTERS; Reza FARIVAR; Jeremy GOODSITT;	Capital One Services, LLC;
1,853	20220230263	2022-01-21	DOCUMENT FRAUD PREVENTION SERVER AND SYSTEM	David Fleck; Allan Martia;	
1,854	20220148002	2022-01-21	CRYPTOGRAPHIC TAINT TRACKING	Timothy Eller; Patrick De La Garza; Daniel Klein; George Kellerman; Steven Eliscu; Danny Yang;	
1,855	20230229813	2022-01-20	SYSTEM FOR PROVIDING SUSTAINABILITY-DRIVEN BLOCKCHAIN PLATFORM	Vilma Mattila; Pratik Gauri; Prateek Dwivedi;	5ire LLP;
1,856	20230231716	2022-01-20	AUTONOMOUS MACHINE OPERATION WITH BLOCKCHAIN AUTHENTICATION	Pramita Mitra; Hadi Atwi; Spencer White; Matthew Cassoli; Josh Fodale;	Ford Global Technologies, LLC;
1,857	20230109125	2022-01-20	Automated Transactions Across Multiple Blockchains with Cryptocurrency Swaps	James Traweek, III;	
1,858	20220138711	2022-01-20	SYSTEMS AND METHODS FOR BLOCKCHAIN-BASED PAYMENTS	Melinda Magerkurth; Eric Bellas; Jaime Skaggs; Shawn Call; Eric Moore; Vicki King; Burton Floyd; David Turrentine; Steven Olson; Timothy Wells; Corin Chapman; Edward Breitweiser; Robert Gomez; Shelia Smith;	
1,859	20220141018	2022-01-20	METHOD AND SYSTEM FOR AN EFFICIENT CONSENSUS MECHANISM FOR PERMISSIONED BLOCKCHAINS USING AUDIT GUARANTEES	Steven DAVIS;	MASTERCARD INTERNATIONAL INCORPORATED;
1,860	20220229883	2022-01-19	SYSTEM AND METHOD FOR PROTECTING, MANAGING AND MONETIZING CREATIVE WORKS USING BLOCKCHAIN	Harsch KHANDELWAL; Thomas HUNTER; Matt DE JONG;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,861	20220138732	2022-01-19	Systems, Methods, and Interfaces for Smart Contract Based Exchanges Via a Blockchain	Carlos Kuchkovsky Jimenez; Escolástico Sanchez Martinez; Ruben Chavarri Elduayen;	
1,862	20230231724	2022-01-18	BLOCKCHAIN BASED CERTIFICATE PINNING	Simon Brooks; Stephen Turner; Daniel Ochoa;	
1,863	20220255751	2022-01-18	SYSTEM AND METHOD CAPABLE OF UPLOADING DATA INTO BLOCKCHAIN	CHIN-CHUNG KUO; MING-SHENG CHEN;	
1,864	20220141036	2022-01-18	ELECTRONIC AUTHENTICATION DEVICE AND METHOD USING BLOCKCHAIN	Wooseok JANG; Youna LEE; Moonsung NA; Euiheon JEONG; Seongmin JE; Beomsoo CHO;	
1,865	20240137228	2022-01-18	PUF AND BLOCKCHAIN BASED IOT EVENT RECORDER AND METHOD	Jack DAVIES; Craig WRIGHT;	
1,866	20220237594	2022-01-18	High performance distributed system of record with wallet services resiliency	David Carver; William Sears; Talmai Oliveira;	Akamai Technologies, Inc.;
1,867	20230379181	2022-01-14	BLOCKCHAIN ON-CHAIN METHOD, ELECTRONIC DEVICE, AND STORAGE MEDIUM	Zhuang LIU; Dapeng LI; Yin GAO; Yingjun ZHOU;	
1,868	20230229331	2022-01-14	Cold Storage Partition Management in Proof of Space Blockchain Systems	David Avraham; Alexander Bazarsky; Ran Zamir;	
1,869	20220215471	2022-01-14	Multi-Function Device Legal Claim Blockchain	Erik Simpson;	
1,870	20220247572	2022-01-14	SECURE DYNAMIC THRESHOLD SIGNATURE SCHEME EMPLOYING TRUSTED HARDWARE	Thomas TREVETHAN;	
1,871	20220150257	2022-01-14	Blockchain-Based Commercial Inventory Systems And Methods	Jordan Simons;	AMERICORP INVESTMENTS LLC;
1,872	20220138730	2022-01-14	TIME-BOUNDED ACTIVITY CHAINS WITH MULTIPLE AUTHENTICATED AGENT PARTICIPATION BOUND BY DISTRIBUTED SINGLE-SOURCE-OF-TRUTH NETWORKS THAT CAN ENFORCE AUTOMATED VALUE TRANSFER	Ananth NATARAJAN;	PROBLOCH LLC;
1,873	20230222491	2022-01-13	SYSTEMS AND METHODS FOR TRANSFER OF NON-FUNGIBLE ASSETS ACROSS MULTIPLE BLOCKCHAIN SYSTEMS	Dante Pacella; Ashish Sardesai;	Verizon Patent and Licensing Inc.;
1,874	20220374948	2022-01-13	ACTIVE BLOCKCHAIN MICRO-TRACKING SYSTEM FOR AUTOMATIC ALLOCATION AND DISTRIBUTION OF DONATIONS AND METHOD THEREOF	Su Lee;	
1,875	20220284160	2022-01-13	SYSTEMS AND METHODS FOR INCORPORATING MANUFACTURING, TESTING AND AFTER SALE DATA IN A PRINTED CIRCUIT BOARD USING BLOCKCHAIN	Elangovan Palaniappan;	GOODRICH CORPORATION;
1,876	20240129281	2022-01-13	METHOD AND APPARATUS FOR IMPLEMENTING SECURE MULTICAST IN BLOCKCHAIN NETWORK	Ke Zeng; Chao Zeng; Lingtao Kong;	
1,877	20230222488	2022-01-13	SYSTEM AND METHOD FOR MINING TOKENS WITH USER DATA	Orrin Campbell;	Other;
1,878	20230222498	2022-01-12	PHYSICAL ACTION BLOCKCHAIN	Paul Kim;	Project Noa, Inc.;
1,879	20220309131	2022-01-12	SYSTEM AND METHOD FOR THE CREATION AND THE EXCHANGE OF A COPYRIGHT FOR EACH AI-GENERATED MULTIMEDIA VIA A BLOCKCHAIN	Diep Thi Ngoc Nguyen;	ORAICHAIN PTE. LTD.;
1,880	20230222091	2022-01-12	SYSTEMS AND METHODS FOR ELECTRONICALLY TRACKING CLIENT DATA	Mark Janzen;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,881	20220141034	2022-01-12	TRACKING PROVENANCE OF DIGITAL DATA	Valentin Bercovici; Kumarappan Palaniappan;	
1,882	20220270717	2022-01-11	SYSTEM AND METHOD FOR COLLECTING CLINICAL TRIAL DATA BASED ON BLOCK-CHAIN	Young PARK;	
1,883	20220222367	2022-01-11	DATA AGGREGATION FOR ANALYSIS AND SECURE STORAGE	Joseph Walsh;	
1,884	20220129439	2022-01-10	HIGH THROUGHPUT BLOCKCHAIN CONSENSUS SYSTEMS AND METHODS WITH LOW FINALIZATION TIME	Runting Shi; Rafael Nat Josef Pass; Taz Hong Hubert Chan; Chang-Zen Tsai; Chia-Hao Lo;	
1,885	20220129890	2022-01-10	COMPLIANCE CONTROLLER FOR THE INTEGRATION OF LEGACY SYSTEMS IN SMART CONTRACT ASSET CONTROL	Curtis Wood;	
1,886	20220138212	2022-01-09	BLOCKCHAIN IMPLEMENTING RELIABILITY DATABASE	Kohichi Kamijoh;	
1,887	20220382537	2022-01-06	PROJECT CREATION SYSTEM USING BLOCKCHAIN	Christopher Davis; Don Richmond; Corey Hertz; Bob Giargiari; Bryan Hertz; Kevin Hertz; Ian LeWinter;	
1,888	20240070664	2022-01-06	METHOD FOR COMPUTER-IMPLEMENTED SERVICE PROVISION IN A BLOCKCHAIN, CORRESPONDING BLOCKCHAIN NETWORK NODE AND COMPUTER PROGRAM	Nassim LAGA; Tiphaine HENRY;	
1,889	20240056308	2022-01-06	METHOD AND PROGRAM	Takashi MATSUBARA;	MRS HOLDINGS CO., LTD.;
1,890	20240121118	2022-01-05	BLOCKCHAIN TREE STRUCTURE	Alessio PAGANI; Craig WRIGHT;	
1,891	20230214848	2022-01-05	VERIFYING AND FLAGGING NEGATIVE FEEDBACK	Hemant Sivaswamy; Venkata Vara Prasad Karri; Shikhar Kwatra; Afroz Khan, I;	
1,892	20230169593	2022-01-05	CREATING AND TRADING SYSTEM FOR TOKENIZED OPEN-END FUND AND METHOD THEREOF	Siu Yue Michael Wong; Sze Man Benedict Ho;	
1,893	20230229321	2022-01-04	SYSTEM AND METHOD FOR IMPROVING MEMORY RESOURCE ALLOCATIONS IN DATABASE BLOCKS USING BLOCKCHAIN	Raja Arumugam Maharaja;	
1,894	20220255750	2022-01-03	ELECTRONIC MESSAGING SECURITY AND AUTHENTICATION	Athanasios AMOUTZIAS; Masahiko TAKENAKA; Kouichi ITO; Yoshinori KATAYAMA;	Fujitsu Limited;
1,895	20220215381	2022-01-03	METHODS, SYSTEMS, AND NON-TRANSITORY COMPUTER-READABLE RECORD MEDIA FOR PROMPT TRANSFER OF CRYPTOCURRENCY	Miyoung JANG; Hyun LEE; Jaeman KIM; Byeong GIM; Ji LEE; Ui SHIM; Dong HEO; Nara HWANG; Dong KIM; Seung KIM; Beom MOON;	LINE Corporation;
1,896	20220121648	2022-01-03	DISTRIBUTED PLATFORM FOR COMPUTATION AND TRUSTED VALIDATION	Ravi Raman; Kush Varshney; Roman Vaculin; Michael Hind; Sekou Remy; Eleftheria Pissadaki; Nelson Bore;	
1,897	20230214392	2021-12-31	SYSTEMS AND METHODS FOR SCALABLE OFF-CHAIN STORAGE OF BLOCKCHAIN-SECURED DATA	Ahmed Khan; Rasmi Samal; Rangesh Sripathi; Abdul Raheem; Mohammed Qaudeer;	Verizon Patent and Licensing Inc.;
1,898	20230410125	2021-12-30	BLOCKCHAIN-BASED TRANSPARENT SUPPLY CHAIN AUTHENTICATION METHOD AND APPARATUS, AND DEVICE AND MEDIUM	Kaizhi LIN; Chao DING;	
1,899	20240056439	2021-12-30	BLOCKCHAIN-BASED SDP ACCESS CONTROL METHOD AND APPARATUS	Junzhi YAN; Bo YANG; Li SU; Shen HE;	CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.;
1,900	20230206173	2021-12-29	INVENTORY TRACKING USING BLOCKCHAIN	Douglas Grover; Michael Angelo;	MICRO FOCUS LLC;

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
1,901	20230208640	2021-12-29	SELECTIVE AUDIT PROCESS FOR PRIVACY-PRESERVING BLOCKCHAIN	Kaoutar El Khiyaoui; Angelo De Caro;	
1,902	20230208638	2021-12-29	FUTURE ASSET RECLAMATION VIA BLOCKCHAIN	Yacov Manevich; Artem Barger; Nitin Gaur; Petr Novotny;	
1,903	20230200360	2021-12-29	SYSTEM AND METHOD FOR CARBON SEQUESTRATION	YU-JIANG CHANG;	
1,904	20220122026	2021-12-29	SUPPLY CHAIN MANAGEMENT METHOD, COMPUTER PROGRAM PRODUCT FOR DISPLAYING TRADING RECORD, SUPPLY CHAIN MANAGEMENT SYSTEM, AND COMPUTER PROGRAM PRODUCT FOR MANAGING TRADING RECORD	Tatsuya OKABE; Tousei KANEMATSU;	
1,905	20240205031	2021-12-28	MULTI DIMENSION BLOCKCHAIN	Noppadon THONGSOM;	
1,906	20230206193	2021-12-28	METHOD AND SYSTEM OF GENERATING PROOF OF PROVENANCE OF DIGITAL RECEIPT	Rahul DESHPANDE;	MASTERCARD INTERNATIONAL INCORPORATED;
1,907	20240046265	2021-12-27	BLOCKCHAIN BASED AUTHENTICATION AND TRANSACTION SYSTEM	Jong WOO; Tae LEE; Il JUNG; Hee SHIN; Hyung JANG; Min SON; Sang BAEK; Seo PARK; Hyo KWON; Mi KIM; Jung SONG; Rakhmanov DILSHOD; Dong KIM; Jeon KIM;	ESTORM CO., LTD.;
1,908	20240064021	2021-12-27	ACCESS CONTROL METHOD, APPARATUS, NETWORK SIDE DEVICE, TERMINAL AND BLOCKCHAIN NODE	Junzhi YAN; Bo YANG; Li SU;	
1,909	20230206231	2021-12-27	LAUNDERING DETECTION IN SECOND LAYER NETWORKS	Muhammad Saad; Jakub Burgis; Raoul Johnson;	
1,910	20220215098	2021-12-27	PROGRAM VERIFICATION METHOD AND APPARATUS, PLATFORM, USER TERMINAL, AND ONLINE SERVICE SYSTEM	Qiang LI; Hui XIE; Yueyang ZHANG;	CLOUDMINDS ROBOTICS CO., LTD.;
1,911	20220207176	2021-12-27	SECURE DATA PROCESSING	Jeremy Taylor; John Muddle; Jesús Cárdenes Cabré; Ashley DaSilva; Madjid Aoudia;	
1,912	20230300256	2021-12-23	BLOCKCHAIN NODES AND METHODS FOR FACILITATING SPECTRUM SHARING	Youping ZHAO; Yuhong HUANG; Zhong TIAN; Chen SUN;	Sony Group Corporation;
1,913	20220210140	2021-12-23	SYSTEMS AND METHODS FOR FEDERATED LEARNING ON BLOCKCHAIN	Nav DHUNAY; Saeed El Khair NUSRI; Nikoo SABZEVAR;	
1,914	20230206218	2021-12-23	Access Control Systems and Methods for On-line Services	Christopher Defour;	
1,915	20230208744	2021-12-23	CONSENSUS DRIVEN SERVICE PROMOTION	Leigh Griffin; Cathal O'Connor;	
1,916	20230198773	2021-12-22	VOTING USING CHOICE COIN ON A BLOCKCHAIN	Brian Haney; Archie Chaudhury;	
1,917	20220114583	2021-12-22	BLOCKCHAIN BASED SERVICE INFORMATION PROCESSING METHOD, DEVICE AND READABLE STORAGE MEDIUM	Erbao NIE;	
1,918	20220366019	2021-12-22	METHOD AND SYSTEM FOR VERIFYING OWNERSHIP OF A DIGITAL ASSET USING A DISTRIBUTED HASH TABLE AND A PEER-TO-PEER DISTRIBUTED LEDGER	Stephane Savanah; Craig Wright;	
1,919	20240079104	2021-12-22	INFORMATION PROCESSING METHOD, INFORMATION PROCESSING APPARATUS, AND NONTRANSITORY COMPUTER-READABLE STORAGE MEDIUM	Takuma MAEDA;	
1,920	20220114148	2021-12-21	SYSTEM AND METHOD FOR DECENTRALIZED REGULATION AND HIERARCHICAL CONTROL OF BLOCKCHAIN ARCHITECTURE	Eren Kursun;	BANK OF AMERICA CORPORATION;

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
1,921	20220114567	2021-12-21	WATCH SKINS SELECTION APPLICATION WITH BLOCKCHAIN TOKEN	Collin Knock;	
1,922	20230394483	2021-12-21	BLOCKCHAIN-BASED DATA PROCESSING METHOD AND APPARATUS	Ruifei LIU; Wenfeng YANG; Dongyang XI; Binbin XIU;	Beijing Jingdong Qianshi Technology Co., Ltd.;
1,923	20230198776	2021-12-21	METHOD AND SYSTEM OF STORING SMART CONTRACT EVENTS	Eduardo ANDRADE; Stephen HIGGINS; Miguel Ángel ROJO FERNÁNDEZ;	MASTERCARD INTERNATIONAL INCORPORATED;
1,924	20230199236	2021-12-21	DISTRIBUTED ACCESS CONTROL FOR MULTIMEDIA CONTENT	Blake McGill;	
1,925	20230198767	2021-12-20	DISTRIBUTION OF ONE-TIME PASSWORDS FOR MULTI-FACTOR AUTHENTICATION VIA BLOCKCHAIN	SRINIVASA NAGANDLA;	
1,926	20230196346	2021-12-20	METHOD AND SYSTEM OF PROVIDING FOR OFFLINE TRANSACTIONS IN DIGITAL CURRENCIES	Stephen HIGGINS;	MASTERCARD INTERNATIONAL INCORPORATED;
1,927	20220208315	2021-12-20	METHOD AND SYSTEM FOR OBTAINING, CONTROLLING, ACCESSING AND/OR DISPLAYING PERSONAL GENETIC IDENTIFICATION INFORMATION	Duangkamol STROHL; Paul McLAREN;	STR-ID, Inc.;
1,928	20220198591	2021-12-20	Defense Property Management System	Muhammad Ikhlas;	
1,929	20230196345	2021-12-17	METHOD AND SYSTEM OF INTEGRATING BLOCKCHAIN TECHNOLOGY WITH EXISTING COMPUTER ARCHITECTURE	Sarala BURADAGUNTA; Ravi CHERUKURU;	MASTERCARD INTERNATIONAL INCORPORATED;
1,930	20230198770	2021-12-17	Consensus Data Filtering in Proof of Space Blockchain Systems	Shashank Agrawal; Cyril Guyot;	
1,931	20220191029	2021-12-17	SYSTEM AND METHOD FOR HIERARCHICAL TOKEN DISTRIBUTION ON BLOCKCHAIN NETWORK	Daniel JOSEPH;	
1,932	20240005410	2021-12-17	Systems and Methods for Verifying Insurance Policies	Chandan Mishra; Vikram Ravindhran; Kelly Lau; Olga Dotter; Beti Cung;	
1,933	20220108268	2021-12-17	Strategy Game Layer Over Price Based Navigation	Erik Simpson;	
1,934	20230198771	2021-12-16	SYSTEMS AND METHODS FOR PROVIDING SECURE INTERNET OF THINGS DATA NOTIFICATIONS USING BLOCKCHAIN	Joseph HO;	Verizon Patent and Licensing Inc.;
1,935	20220198449	2021-12-16	BLOCK PACKAGING METHOD BASED ON BLOCKCHAIN TRANSACTION AND ELECTRONIC DEVICE USING THE SAME	SHIAW-HERNG LIU;	
1,936	20220198051	2021-12-16	METHOD OF PROTECTING DATA AND COMPUTER DEVICE	LIANG-TE CHIU; WUN-CING LAI;	
1,937	20220198167	2021-12-16	METHOD AND SYSTEM FOR REGISTERING AND AUTHENTICATING ITEMS	Kim SO;	
1,938	20230186290	2021-12-15	SOFTWARE ARCHITECTURE FOR EFFICIENT BLOCKCHAIN TRANSACTIONS	Alon Navon; Lev Pachmanov;	
1,939	20220393872	2021-12-15	SERVICE SERVER, METHOD, AND COMPUTER-READABLE STORAGE MEDIUM FOR PROVIDING TRACKING SERVICE FOR TRANSPORTATION DEVICE BASED ON BLOCKCHAIN NETWORK SYSTEM	Hee KIM;	Wrightbrothers Co., Ltd;
1,940	20220200803	2021-12-15	BLOCK OPERATION METHOD, ELECTRONIC DEVICE, AND STORAGE MEDIUM	YEN-JEN HUANG;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,941	20230185996	2021-12-14	FRAMEWORK FOR BLOCKCHAIN DEVELOPMENT	Oluwatomisin Jenrola; Christopher Man-kit Chan; Kevin O'Keefe Tolliver; Michael Jim Tien Chan; Kenneth Liew; Sanjiv Prabhunandan; Sujay Purandare;	
1,942	20230132804	2021-12-14	METHOD AND APPARATUS FOR ESTABLISHING ASSOCIATION BETWEEN VIRTUAL AND REAL VEHICLES IN BLOCKCHAIN NETWORK	Yanyu CHEN; Gang QIAN;	
1,943	20220353230	2021-12-14	SYSTEMS AND METHODS FOR FAIR INFORMATION EXCHANGE USING PUBLISH-SUBSCRIBE WITH BLOCKCHAIN	Ned Smith; Michael Nolan; Davide Carboni;	
1,944	20240062200	2021-12-14	BLOCKCHAIN RELATED VERIFICATION METHOD AND SYSTEM	Craig WRIGHT; Liuxuan PAN; Owen VAUGHAN;	
1,945	20230185794	2021-12-14	High performance distributed system of record with ledger configuration system	David Carver; Samuel Erb;	Akamai Technologies, Inc.;
1,946	20220318833	2021-12-14	BLOCKCHAIN-BASED METHOD, DEVICE AND SYSTEM FOR PROCESSING VEHICLE DRIVING DATA	Gang QIAN; Ruixue WANG; Lei CHEN; Zhangkaiwen CHU; Minwei FANG; Ziyu LIU; Yujia ZHANG;	
1,947	20220191034	2021-12-14	TECHNOLOGIES FOR TRUST PROTOCOL WITH IMMUTABLE CHAIN STORAGE AND INVOCATION TRACKING	Marvin ADAMS, III; Samuel RODRIGUEZ, III; Noah Brahm;	
1,948	20230186350	2021-12-13	TIMEPOST SYSTEM AND METHOD FOR ADVERTISING VIA BLOCKCHAIN AND DISTRIBUTED LEDGER NETWORKS	MICHAEL NAHOUNOU;	NAHOUNOU INVESTMENT GROUP, LLC;
1,949	20230188353	2021-12-13	MULTI-ISSUER ANONYMOUS CREDENTIALS FOR PERMISSIONED BLOCKCHAINS	Kaoutar El Khiyaoui; Angelo De Caro; Elli Androulaki;	
1,950	20220200792	2021-12-13	SELECTIVE DATA DISCLOSURE VIA A BLOCK CHAIN	Christine HENNEBERT;	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES;
1,951	20220188835	2021-12-13	BLOCKCHAIN-BASED PERSONAL DATA MANAGEMENT SYSTEMS	Thabang Mashologu; Themba Tembo;	
1,952	20220100777	2021-12-13	TRANSACTION REQUEST CONSTRUCTION METHOD AND APPARATUS, TRANSACTION REQUEST PROCESSING METHOD AND APPARATUS, DEVICE AND STORAGE MEDIUM	Bo JING;	Beijing Baidu Netcom Science Technology Co., Ltd.;
1,953	20230185614	2021-12-10	SYSTEM AND METHOD FOR PROVIDING DECENTRALIZED VEHICLE COMPUTING USING BLOCKCHAIN	Rajeev CHHAJER;	
1,954	20230186281	2021-12-10	AUTOMATIC ACCESS/RESTRICTION OF NFTS	Michael Todasco; Mehak Jethmalani; Liam DiGregorio;	
1,955	20220171789	2021-12-10	SGX BASED FLOW CONTROL FOR DISTRIBUTED LEDGERS	MIC BOWMAN; ANDREA MIELE;	Intel Corporation;
1,956	20230188355	2021-12-09	METHOD AND SYSTEM OF ALL-OR-NOTHING TRANSFORM (AONT) FOR INCREASING BLOCKCHAIN INTEGRITY	Robert COLLINS;	MASTERCARD INTERNATIONAL INCORPORATED;
1,957	20220284129	2021-12-09	Verifiable Splitting of Single-Instance Data Using Sharded Blockchain	Ahto BULDAS; Märt SAAREPERA;	Guardtime SA;
1,958	20220188781	2021-12-09	SYSTEMS AND METHODS FOR EFFICIENT ELECTRONIC TOKEN ECOSYSTEMS	Samer EL-BIZRI;	
1,959	20220191344	2021-12-09	IMAGE FORMING APPARATUS, CONTROL METHOD, AND STORAGE MEDIUM	Myoshi Toda;	
1,960	20230177167	2021-12-08	AUTOMATIC VERIFICATION OF DECENTRAILIZED PROTOCOLS	Michael Jim Tien Chan; Vladimir Bacvanski; Oluwatomisin Jenrola;	

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#	Pub. No	Filed	Title	Inventors	Assignees
1,961	20230177489	2021-12-08	UTILIZATION OF BIOMETRICS IN CREATION OF SECURE KEY OR DIGITAL SIGNATURE	Michael Jim Tien Chan; Suryatej Gundavelli; Charles Gabriel Neale Dalton; Michael Todasco; Mehak Jethmalani; Liam DiGregorio; John Timoney;	
1,962	20230177507	2021-12-08	USER ACTIVITY DETECTION FOR LOCKING CRYPTOCURRENCY CONVERSIONS	Charles Gabriel Neale Dalton; Michael Todasco; Michael Jim Tien Chan; Suryatej Gundavelli; John Timoney;	
1,963	20220182375	2021-12-08	METHOD FOR HIERARCHICAL INTERNET TRUST SHARING	Ke XU; Jianping WU; Xiaoliang WANG; Qi LI; Ziqiang WANG; Songtao FU;	
1,964	20240029080	2021-12-08	DEVICE AND METHOD FOR AUTHENTICATING PRODUCTS	Cormac LUCKING;	
1,965	20240007276	2021-12-07	METHOD OF MIGRATING AN IT APPLICATKION	Ernst PILLER;	
1,966	20230177521	2021-12-06	LOGISTICS MANAGEMENT SYSTEM AND METHOD USING BLOCKCHAIN	Wai Kei Ricky LEUNG; Shing CHU; Chi WONG; Tsz LEUNG; Samuel Chen Ying NG;	
1,967	20230088446	2021-12-06	SYSTEMS AND METHODS OF FACILITATING DIGITAL RATINGS AND SECURED SALES OF DIGITAL WORKS OF ART	Danny Rittman; Mo Jacob;	
1,968	20220094698	2021-12-06	CROSS-BLOCKCHAIN INTERACTION SYSTEMS	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
1,969	20220164435	2021-12-03	AGENT-BASED TURING COMPLETE TRANSACTIONS INTEGRATING FEEDBACK WITHIN A BLOCKCHAIN SYSTEM	Craig Wright; Stephane Savanah;	
1,970	20230179424	2021-12-03	COMPRESSIBLE BLOCKCHAINS	Francis McNamee; Paula Tomaszko; Andrew Bell; Robert Kerr;	
1,971	20220277371	2021-12-03	SYSTEM, APPARATUS, METHOD, AND COMPUTER PROGRAM PRODUCT FOR VERIFYING TRANSACTION COMPLIANCE IN AN ONLINE MARKETPLACE	David Obasiolu; Michael Obasiolu;	
1,972	20240013213	2021-12-02	BLOCKCHAIN	Stanislav TROCK;	
1,973	20220092587	2021-12-02	VERIFICATION SYSTEMS FOR BLOCKCHAINS AND DISTRIBUTED LEDGERS	David Jevans;	
1,974	20220261892	2021-12-01	SYSTEM AND METHOD FOR FACILITATING A PUBLIC OFFERING ON AN IMMUTABLE BLOCKCHAIN PROVIDED TO ELIGIBLE QUALIFIED INVESTORS BASED UPON PRIORTY OF INTEREST	Joe KURCZODYNA;	
1,975	20220094674	2021-12-01	Techniques For Secure Blockchain Management	Meredith Altenhofen; Jason Blackhurst; Quan Wang;	
1,976	20220173913	2021-12-01	Consent Management	Wayne Lloyd; James Radley; Neelam Patel; Ben Sheedy;	Smarter Contracts Ltd.;
1,977	20220084643	2021-11-30	BLOCKCHAIN-BASED MECHANISMS FOR SECURE HEALTH INFORMATION RESOURCE EXCHANGE	Douglas Bulleit; Bharat Aluri; Fred Danner, III; Charles Miller, III; Mark Braunstein;	BBM Health LLC;
1,978	20220084027	2021-11-29	BLOCKCHAIN BASED ACCOUNT FUNDING AND DISTRIBUTION	Jacob Alt; Eric Bellas; Jaime Skaggs; Shawn Call; Melinda Magerkurth; Vicki King; Charles Roscow; Scott Shoop; Greg Hayes; Robert Jennings; Amber Nelson-Wolfe; Shyam Tummala;	
1,979	20230169175	2021-11-29	Managing Zero-Day Vulnerabilities	Vijay Ananthapur Bache; Arvind Rangarajan; Srithar Thangaraj; Pradeep Jayarathanasamy; Bidhu Sahoo;	
1,980	20220179378	2021-11-29	Blockchain-Based Transactive Energy Systems	Sri Nikhil Gupta Gourisetti; Steven Widergren; Michael Mylrea; David J Sebastian Cardenas; Mark Borkum; Bishnu Bhattarai; Peng Wang; Alysha Randall; Hayden Reeve;	Battelle Memorial Institute;

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#	Pub. No	Filed	Title	Inventors	Assignees
1,981	20220084666	2021-11-26	Leveraging Blockchain to Secure Dialysis Components and Maintain Operational Logs	Thomas Tatonetti;	KATA Gardner Technologies;
1,982	20240097911	2021-11-26	DELIVERING HASH VALUES	Jerry CHAN;	
1,983	20230421402	2021-11-25	METHODS AND SYSTEMS FOR COMPRESSING TRANSACTION IDENTIFIERS	Ricky RAND; Steven COUGHLAN;	
1,984	20230162178	2021-11-24	BLOCKCHAIN TRANSACTION REBROADCAST	Marcus BOORSTIN; Erik TIERNEY;	Circle Internet Financial, Inc.;
1,985	20220358490	2021-11-24	CRYPTOCURRENCY SWAP PROTOCOL PROVIDING PAYMENT FUNCTION BASED ON LIQUIDITY POOL OVER DIFFERENT BLOCKCHAIN NETWORKS	Ryan Seol; Changhee Jung;	
1,986	20220193027	2021-11-24	TRACKING SYSTEM FOR CULTIVATED PRODUCTS AND ASSOCIATED METHODS	BRADLEY MOORE;	
1,987	20220180416	2021-11-24	Method and System for Facilitating a Marketplace for Labor Arbitrage	BILL SHOOK; DAVID CHO;	
1,988	20240106669	2021-11-24	METHODS AND SYSTEMS FOR STREAMING BLOCK TEMPLATES WITH CROSS-REFERENCES	Ricky RAND; Steven COUGHLAN;	
1,989	20220187890	2021-11-23	DISTRIBUTED BATTERY MANAGEMENT SYSTEM USING BLOCKCHAIN BASED DATA STORAGE	Dwaine Coates; Caitlin Dillard;	
1,990	20220164794	2021-11-23	METHOD OF VERIFYING IDENTITY FOR A COMPUTERIZED ACCOUNT, COMPUTING DEVICE, AND STORAGE MEDIUM	YUHG-CHANG TAI;	
1,991	20240106650	2021-11-23	TRANSACTION SIGNATURE FLAGS	Katharine MOLLOY; Craig WRIGHT; Owen VAUGHAN;	
1,992	20220084020	2021-11-22	SYSTEM AND METHOD FOR SCALING BLOCKCHAIN NETWORKS WITH SECURE OFF-CHAIN PAYMENT HUBS	Arthur Gervais; Ramy Abelmageed Ebrahim Khalil;	
1,993	20220086005	2021-11-22	SYSTEM AND METHOD FOR DECENTRALIZED DIGITAL STRUCTURED DATA STORAGE, MANAGEMENT, AND AUTHENTICATION USING BLOCKCHAIN	Alexander Sheung Lai WONG;	
1,994	20230162173	2021-11-22	System for Implementing Artificially Intelligent Smart Contract Escrow Service	MATTHEW JAMES;	
1,995	20220188296	2021-11-20	FLOW CONTROL FOR PROBABILISTIC RELAY IN A BLOCKCHAIN NETWORK	Giuseppe DESTEFANIS; Simone MADEO; Patrick MOTYLINSKI; Stephane VINCENT; Alexandra COVACI;	
1,996	20220156737	2021-11-19	TOKENISATION METHOD AND SYSTEM FOR IMPLEMENTING EXCHANGES ON A BLOCKCHAIN	Craig Wright; Stephane Savanah;	
1,997	20220108285	2021-11-19	Methods and Systems for Object Validated Blockchain Accounts	Evan Duffield; Alex Werner; Will Wray; Andy Freer; Timothy Flynn; Nathan Marley; Darren Tapp;	Dash Core Group, Inc.;
1,998	20220075893	2021-11-19	SYSTEM AND METHOD FOR MAINTAINING GRAPHS HAVING A POLICY ENGINE AND BLOCKCHAIN	Rajeev Garg; Adam Edgar; Sarah Green; Roderic Paulk; Sheldon Meredith;	AT&T Intellectual Property I, L.P.;
1,999	20230164143	2021-11-19	SYSTEMS AND METHODS FOR PROVIDING VERIFIABLE CREDENTIALS	Deas Richardson, IV; Sam Birky;	
2,000	20220165152	2021-11-19	DYNAMIC CONTROL OF VEHICLE DRIVETRAIN MODES	Roy Hendrikx; Stuart Easson; Adam Weber; Rathi Munukur; Tariq Willis; Michael Huynh; Alexandra Holz;	Ford Global Technologies, LLC;

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#	Pub. No	Filed	Title	Inventors	Assignees
2,001	20220392004	2021-11-18	METHOD AND SYSTEM FOR VERIFYING SETTLEMENT DEMANDS FOR SUBROGATION CLAIMS USING A DISTRIBUTED LEDGER	Ryan Maurer; Nolan White; Kyle Weber; Edward Austin; William Guthrie; Dustin Helland; Bharat Prasad; Sharon Haverlah; Karen Shackelford-George;	
2,002	20220309080	2021-11-18	METHOD FOR HIGH-PERFORMANCE TRACEABILITY QUERY ORIENTED TO MULTI-CHAIN DATA ASSOCIATION	Jiang XIAO; Jian CHANG; Rui HAN; Xiaohai DAI; Hai JIN;	
2,003	20230153801	2021-11-17	METHOD THAT USES BLOCKCHAIN TECHNOLOGY TO MODERNIZE FUNERAL AND MEMORIAL SERVICE INDUSTRY	NICOLAS PLACIDE;	
2,004	20220075900	2021-11-17	TRACING OBJECTS ACROSS DIFFERENT PARTIES	Ying YAN; Yang CHEN; Thomas MOSCIBRODA; Eric CHANG; Jinglei REN; Liang CHEN; Yanjie GAO;	Microsoft Technology Licensing, LLC;
2,005	20220076348	2021-11-15	SYSTEMS AND METHODS FOR UTILIZING ELECTRICAL COMPUTER AND DIGITAL PROCESSING SYSTEMS WITH BLOCKCHAIN	Brian Fields; Heath Crossland;	
2,006	20240103815	2021-11-15	GENERATING AND VALIDATING BLOCKCHAIN TRANSACTIONS	Wei ZHANG; Bassem AMMAR; Steven COUGHLAN;	
2,007	20220101315	2021-11-14	SYSTEM AND METHOD FOR IMPLEMENTING DISTRIBUTED MULTIPLE BLOCKCHAIN BASED DIGITAL INDEX TOKEN / UTILITY SMART CONTRACT ON A BLOCKCHAIN AND DISTRIBUTED/ALLOCATION ON MULTIPLE BLOCKCHAIN NETWORKS	Sunilkumar Patel;	Moleculus LLC;
2,008	20240007282	2021-11-12	SYSTEMS AND METHODS FOR ENERGY EFFICIENT AND USEFUL BLOCKCHAIN PROOF OF WORK	Efe Ulas Akay SEYITOGLU; Attila YAVUZ;	
2,009	20220230244	2021-11-12	ENERGY TRADING SYSTEM AND METHOD FOR PERFORMING ENERGY TRADING BETWEEN BLOCKCHAIN-BASED SERVERS	Chang-Sic CHOI; Tai-yeon KU; Dae PARK; Wan PARK;	Electronics and Telecommunications Research Institute;
2,010	20220198532	2021-11-12	CONSUMER COMMENTS STORAGE METHOD, ELECTRONIC DEVICE, AND STORAGE MEDIUM	YUHG-CHANG TAI;	
2,011	20220067035	2021-11-11	SYSTEM AND METHOD FOR PROVIDING AN INTERFACE FOR A BLOCKCHAIN CLOUD SERVICE	TODD LITTLE; Pierce Shi; Jared Li; Shi Zhou; Weiguo Zhu; Sheng Zhu; Shun Li; Jim Jin; Qingsheng Zhang;	
2,012	20240205025	2021-11-11	DECENTRALIZED BLOCKCHAIN SYSTEM FOR TRANSACTION OF CRYPTOCURRENCY THAT PREVENTS ILLEGAL TRANSACTIONS WHILE ALLOWING ANONYMOUS USERS TO PARTICIPATE, AND ITS COMPUTER PROGRAM	Naoki SHIBATA; Eiji ITO; Hironori WATANABE;	PROOF-OF-SEARCH K.K.;
2,013	20240015027	2021-11-11	DATA PROVISION METHOD, SENSOR NETWORK AND SENSOR	Benjamin Bönisch; Tobias Plötzing; Sharang Parnerkar;	
2,014	20220070176	2021-11-10	APPLYING BLOCKCHAIN TO A SENSOR TRACKER	Ambrose KAM; Hiren PATEL; Alexander VESEY;	
2,015	20220363006	2021-11-10	SYSTEMS AND METHODS FOR VERIFYING ADDITIVE MANUFACTURING WORKFLOWS	Juan Carlos FLores Perez; Mikhail Gladkikh;	
2,016	20220365511	2021-11-10	ADDITIVE MANUFACTURING DISTRIBUTED INVENTORY MANAGEMENT	Juan Carlos Flores Perez; Mikhail Gladkikh;	
2,017	20220067705	2021-11-10	TOKENIZATION PLATFORM	Jonathan YANTIS; William QUIGLEY; Lukasz SLIWKA;	VERONA HOLDINGS SEZC;
2,018	20220067707	2021-11-10	TOKENIZATION PLATFORM	Jonathan YANTIS; William QUIGLEY; Lukasz SLIWKA;	VERONA HOLDINGS SEZC;
2,019	20220060340	2021-11-07	File Validation Using a Blockchain	Gregory Alger; Duane Wald; Andrew Mintner; Donald Peterson; Taiga Matsumoto; Damon Dean; Drew Ashlock;	
2,020	20230396534	2021-11-05	MANAGEMENT APPARATUS	Masashi ANZAWA; Hiroki ISHIZUKA;	NTT DOCOMO, INC.;

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
2,021	20230370388	2021-11-05	MANAGEMENT APPARATUS	Masashi ANZAWA; Hiroki ISHIZUKA;	NTT DOCOMO, INC.;
2,022	20230421383	2021-11-04	NODE VERSIONING	Chloe TARTAN; Wei ZHANG; Craig WRIGHT;	
2,023	20230135294	2021-11-04	Cosigning Using Tokenized Reputation Scores	Shannon Vosseller; Andrew Chalkley;	eBay Inc.;
2,024	20230140623	2021-11-04	METHOD AND SYSTEM FOR TAMPER-RESISTANT EVENT SOURCING USING A DISTRIBUTED LEDGER	Sébastien LE CALLONNEC;	MASTERCARD INTERNATIONAL INCORPORATED;
2,025	20220138705	2021-11-04	Search Engine with Automated Blockchain-Based Smart Contracts	Brian Wright;	
2,026	20220058624	2021-11-04	TOKENIZATION PLATFORM	Jonathan YANTIS; William QUIGLEY; Lukasz SLIWKA;	VERONA HOLDINGS SEZC;
2,027	20240031151	2021-11-04	OBTAINING METHOD AND APPARATUS FOR BLOCK GROUP HEADER, STORAGE MEDIUM, AND ELECTRONIC DEVICE	Ming ZENG; Haisheng GUO; Dezheng WANG; Yasen LIU; Hui LI; Han WANG; Yongjie BAI; Zixian WANG; Qi LV;	
2,028	20230412405	2021-11-03	Method for delegating access to a blockchain	Julien Hatin; Baptiste Hemery; Emmanuel Bertin;	
2,029	20230133349	2021-11-03	Latency and Computational Performance On A Blockchain	Antony Morais;	
2,030	20230135473	2021-11-03	NATIVE BUILDING AND MINTING OF NON-FUNGIBLE TOKENS ON A BLOCKCHAIN	Adeniyi Abiodun; Konstantinos Chalkias; Evan Cheng; Samuel Blackshear; Avery Li Kuang Ching;	
2,031	20230139656	2021-11-03	METHOD AND SYSTEM OF MACHINE LEARNING MODEL VALIDATION IN BLOCKCHAIN THROUGH ZERO KNOWLEDGE PROTOCOL	Vikas BISHNOI; Mridul SAYANA; Gaurav DHAMA; Nidhi MULAY;	MASTERCARD INTERNATIONAL INCORPORATED;
2,032	20220129381	2021-11-03	BLOCKCHAIN CACHE SYSTEM	Changu Kang;	
2,033	20230139343	2021-11-03	METHOD AND SYSTEM FOR PRIVATE TRANSACTION PROCESSING	Ram Patra; Thomas Treitlinger; Rakesh Yadav; Damien Conroy;	MASTERCARD INTERNATIONAL INCORPORATED;
2,034	20220164780	2021-11-03	SYSTEM AND METHOD FOR PERSONALIZED TELLER SERVICES USING ENCRYPTION BASED SHARED ARCHITECTURE	Frank Nuzzi;	
2,035	20220141020	2021-11-02	BLOCKCHAIN E-VOTING SYSTEM AND OPERATING METHOD THEREOF	Jehyuk Jang; Heung-No Lee;	
2,036	20220294605	2021-11-02	BLOCKCHAIN-BASED PUBLIC PARAMETER GENERATION METHOD AGAINST BACKDOOR ATTACKS	Chunxiang XU; Changsong JIANG; Yicong DU;	
2,037	20220232021	2021-11-02	COMPUTER-READABLE RECORDING MEDIUM STORING INFORMATION PROCESSING PROGRAM, INFORMATION PROCESSING METHOD, AND INFORMATION PROCESSING APPARATUS	Tsuyoshi TANIGUCHI;	FUJITSU LIMITED;
2,038	20220060483	2021-11-02	DATA AND SOURCE VALIDATION FOR EQUIPMENT OUTPUT DATA OR EQUIPMENT FAILURE PREDICTION USING BLOCKCHAINS	Steven Casey; Kevin McBride; William O'Brien, JR; Stephen Opferman;	CenturyLink Intellectual Property LLC;
2,039	20240095705	2021-11-02	SYSTEM, METHOD AND DEVICE FOR PROCESSING A TRANSACTION	Charles Bedford;	
2,040	20220147961	2021-11-01	METHOD FOR DISTRIBUTING COLLECTABLES OWNERSHIP BY USING MULTI-SIGNATURE BASED ON BLOCKCHAIN NETWORKS AND ONLINE TRANSACTION SERVER USING THE SAME	Yeo Yoon; Jung Lee; Sang Hyun; Jae Kim; Hyo Cho;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
2,041	20220058597	2021-11-01	MULTI-ASSET BLOCKCHAIN NETWORK PLATFORM	Oleg Andreev; Adam Ludwin; Devon Gundry; Keith Rarick;	
2,042	20230138816	2021-11-01	SYSTEM AND METHOD TO REACH CONSENSUS IN A MULTI-CHAIN IOT ENVIRONMENT	Binh Nguyen; Huu-Hai-Quan Dinh; Thang Nguyen; Minh-Tri Hoang; Thanh-Chung Dao; Ba-Lam Do;	
2,043	20230097203	2021-10-29	SYSTEM AND METHOD FOR GENERATING BLOCKCHAIN TOKEN SUPPORT FROM A SET OF DECLARATIONS	TODD LITTLE; GOURAV SARKAR; PARITOSH DAS;	
2,044	20220141037	2021-10-29	AUTONOMOUS CRYPTOGRAPHIC AND BLOCKCHAIN ACTOR IN A BROWSER EXECUTION CONTEXT	Lon Lundgren; Eric Kearns; Lev Dubinets;	
2,045	20220044235	2021-10-29	METHOD AND SYSTEM FOR PAYMENT CARD VERIFICATION VIA BLOCKCHAIN	Ankur Arora;	MASTERCARD INTERNATIONAL INCORPORATED;
2,046	20230136805	2021-10-29	DYNAMIC EXECUTION OF DISTRIBUTED RECORDS BASED ON TRIGGER CONDITIONS	Antony Morais;	PAYPAL, INC.;
2,047	20230139878	2021-10-29	SYSTEM AND METHOD FOR PROVIDING PERSISTENT AUTHENTICATABLE NON-FUNGIBLE TOKEN	Stephen CLARK; Andreas FEUARDENT MOREIRA; Pedro FUENTES PEREZ; Olivier DEBELLEIX;	
2,048	20220405770	2021-10-29	SYSTEM AND METHODS FOR VERIFYING MERCHANDISE AUTHENTICITY	Jiong Sun; Dinh Nguyen; Liam Alford; Umut Duman;	DEEP SIGNATURE LTD.;
2,049	20220138791	2021-10-29	REVIEW ENGINE WITH BLOCKCHAIN-BASED VERIFICATION	Ian Gordon Ashley Dorward;	
2,050	20220047953	2021-10-29	SYSTEMS AND METHODS FOR TRANSFER OF RIGHTS PERTAINING TO GAME ASSETS BETWEEN USERS OF AN ONLINE GAMING PLATFORM	Stephan Cunningham; John Linden;	
2,051	20220052846	2021-10-29	JOINT BLIND KEY ESCROW	Jesus Diaz Vico; Carlos Kuchkovsky Jimenez; Louie Gasparini;	Banco Bilbao Vizcaya Argentaria, S.A.;
2,052	20220138749	2021-10-28	METHOD AND SYSTEM FOR SECURED AND STABLE BLOCKCHAIN TRANSACTION BY OBTAINING PRE-APPROVAL OF BOTH PARTIES	CHIEN-FU LIN;	
2,053	20220050914	2021-10-28	SYSTEMS AND METHODS FOR SECURING AND DISSEMINATING TIME SENSITIVE INFORMATION USING A BLOCKCHAIN	AKBAR ANSARI; Thomas FAY; Dominick PANISCOTTI;	
2,054	20240015021	2021-10-28	INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, AND INFORMATION PROCESSING PROGRAM	ATSUSHI UCHIDA; SHINYA MARUYAMA;	
2,055	20230130024	2021-10-27	SYSTEM AND METHOD FOR STORING ENCRYPTION KEYS FOR PROCESSING A SECURED TRANSACTION ON A BLOCKCHAIN	Christopher Mcgregor; Travis Mcgregor; Wolfgang Decker;	
2,056	20230131813	2021-10-27	METHOD AND SYSTEM FOR AUTHORIZATION AND SETTLEMENT IN BLOCKCHAIN TRANSACTIONS	Sidharth GOEL; Ankur SARWATE; Ayushi JAIN; Chandan GARG;	MASTERCARD INTERNATIONAL INCORPORATED;
2,057	20230130086	2021-10-27	SYSTEM, DEVICES AND/OR PROCESSES FOR MODIFYING ELECTRONIC CONTRACTS	Manish Verma;	
2,058	20220045849	2021-10-27	GROUP SERVICE IMPLEMENTATION METHOD AND DEVICE, EQUIPMENT AND STORAGE MEDIUM	Bo JING; Peiqian ZHANG; Hongyan WANG;	BEIJING BAIDU NETCOM SCIENCE TECHNOLOGY CO., LTD.;
2,059	20240054489	2021-10-27	TRAFFIC INFORMATION PROCESSING METHODS, APPARATUSES, ELECTRONIC DEVICES, SERVERS, AND STORAGE MEDIUMS	Junjie ZHAO; Hongxiang SHEN;	
2,060	20220164791	2021-10-26	METHOD FOR DISTRIBUTING COLLECTABLES OWNERSHIP BASED ON BLOCKCHAIN NETWORKS AND ONLINE TRANSACTION SERVER USING THE SAME	Yeo Yoon; Jung Lee; Sang Hyun; Jae Kim; Hyo Cho;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,061	20230131294	2021-10-26	EXECUTABLE CODE BLOCKS BASED ON CAPTURED USER INTERACTIONS	Logan PANCHOT; Justin SCHREINER;	CLEAR CONTRACTS INC.;
2,062	20220138675	2021-10-26	SYSTEM AND METHOD FOR DISPLAY AND VERIFICATION OF VEHICLE AND VEHICLE RECORDS	Scott Heninger;	Nomaly Holdings Corporation;
2,063	20220124963	2021-10-26	SYSTEMS, METHODS, AND APPARATUSES FOR IMPLEMENTING AUTOMATED DATA MODELING AND SCALING OF A SOIL HEALTH DATA FABRIC	Todd Taylor; Matthew Ikle; William Brandt;	
2,064	20230127913	2021-10-25	SYSTEMS AND METHODS FOR AI/MACHINE LEARNING-BASED BLOCKCHAIN VALIDATION AND REMEDIATION	Ahmed Khan; Mohammed Qaudeer; Abdul Raheem; Rasmi Samal; Rangesh Sripathi;	Verizon Patent and Licensing Inc.;
2,065	20220414088	2021-10-25	PERFORMANCE EFFICIENT BLOCKCHAIN APPLICATION PROGRAMMING INTERFACES	Ram Krishnan; Dharmaraj Parmar;	
2,066	20220138222	2021-10-25	METHOD FOR CONTROLLING A BLOCK SIZE IN BLOCKCHAIN NETWORK AND BLOCKCHAIN NETWORK USING THE METHOD	Ju JANG; Tae LEE;	
2,067	20220051358	2021-10-25	METHODS AND SYSTEM FOR MANAGING INTELLECTUAL PROPERTY USING A BLOCKCHAIN	Moses Ma;	
2,068	20230197215	2021-10-25	System and Related Methods for Rapid Identification and Verification of Immunization Status	MATTHEW JAMES;	
2,069	20230131380	2021-10-25	Apparel to be Associated with a Digital Asset with Associated Methods	Iddris Sandu;	
2,070	20220180332	2021-10-25	CRYPTOCURRENCY MANAGEMENT SYSTEM FOR BUSINESS USE	Hung-Yi CHENG; Wei CHEN;	
2,071	20220045845	2021-10-25	AUTONOMOUS EXCHANGE VIA ENTRUSTED LEDGER TOKEN AND TRANSACTION MANAGEMENT	Benedict Ow; Richard Stiles; Anthony Tan;	Duvon Corporation;
2,072	20220046085	2021-10-25	Distributed system of record transaction receipt handling in an overlay network	David Carver; Andrew Champagne;	Akamai Technologies, Inc.;
2,073	20230128039	2021-10-22	METHOD AND SYSTEM FOR DYNAMIC ADDITION OF BLOCKS IN A BLOCKCHAIN	Jaipal KUMAWAT; Chandan GARG; Ankur ARORA;	MASTERCARD INTERNATIONAL INCORPORATED;
2,074	20220182700	2021-10-22	Live Voice and Media Publishing and Distribution Platform	Ian Utile;	attn.live LLC;
2,075	20220172195	2021-10-22	BLOCKCHAIN-ENABLED ELECTRONIC FUTURES TRADING SYSTEM WITH COMPUTERIZED OPTIONAL DELIVERY OF CRYPTOCURRENCY OR FIAT AND OPTIONAL CRYPTOCURRENCY AND FIAT RESERVE	Donald Wilson, JR; Joel Nordell; David Werblowsky; Michael Riddle; Joseph McGlawn; Matthew Trudeau; Ian Grieves;	
2,076	20220044236	2021-10-22	SYSTEM AND METHOD FOR PROCESSING SECURE TRANSACTIONS USING ACCOUNT-TRANSFERABLE TRANSACTION CARDS	Austin WALTERS; Vincent PHAM; Jeremy GOODSITT;	
2,077	20220058622	2021-10-21	Protocols in Blockchain Environments	Paul Snow;	Inveniam Capital Partners, Inc.;
2,078	20220043831	2021-10-21	Transactional Sharding of Blockchain Transactions	Clay Douglass; Paul Snow;	Inveniam Capital Partners, Inc.;
2,079	20220058578	2021-10-21	SYSTEM, DEVICE, AND PROCESS FOR TRACKING PRODUCT	Guilda JAVAHERI;	
2,080	20240083442	2021-10-21	DATA STORAGE METHOD AND APPARATUS, ELECTRONIC DEVICE, AND COMPUTER READABLE STORAGE MEDIUM	Junjie ZHAO; Hongxiang SHEN;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
2,081	20220121650	2021-10-20	METHOD AND SYSTEM FOR MANAGING STATES FOR A BLOCKCHAIN INCLUDING A STATE DATABASE OF TREE STRUCTURE	Minhyun KIM; Dongil SEO; Seonghwa YUN; Youngseo YOO; Minsu LEE; Sanghee CHOI;	
2,082	20220043928	2021-10-20	METHOD OF CONSTRUCTING HIGH-PERFORMANCE ANTI-TAMPERING DATABASE BASED ON BLOCKCHAIN	Xinghua Li; Yunwei Wang; Xiaoqiang Li; Yanbing Ren; Hang Wang; Zhongyuan Hu;	
2,083	20220131983	2021-10-20	IMAGE FORMING APPARATUS, CONTROL METHOD, AND STORAGE MEDIUM	Kiwamu Hasegawa;	
2,084	20220044323	2021-10-20	SMART DEVICE AND TRACKING SYSTEM	Chee LIM; Kia CHEW; Yihang HUANG; Heng CHIN; Hian ONG; Eng NG;	
2,085	20240021278	2021-10-20	METHOD, APPARATUS AND SYSTEM FOR STORING USAGE DATA AND TRACKING A MEDICAL PRODUCT	Frederick Lenzenhuber;	
2,086	20230118754	2021-10-19	METHOD AND SYSTEM FOR DATA RETENTION IN PRUNED BLOCKCHAINS	Robert Collins; Conor McQuillan; Peter Nolan;	MASTERCARD INTERNATIONAL INCORPORATED;
2,087	20220122177	2021-10-19	BLOCKCHAIN-BASED TRANSACTION	Tiago Ribeiro; Sameer Ismail; Cem Miralay;	
2,088	20230121663	2021-10-18	Administrator Proxy Contract for A Decentralized Blockchain	Dan Lu;	
2,089	20230046901	2021-10-18	BLOCKCHAIN BASED LAYER 2 APPLICATION FOR DELEGATED OFF-CHAIN PAYMENTS USING CRYPTOCURRENCIES	Sebastien Andreina; Maja Schwarz; Ghassan Karame;	
2,090	20220374884	2021-10-18	Blockchain Secured Transaction Workflows	Mark Wai; Alissa Ware; Shailesh Lahoti; Carlos Hernandez Castrejon; Julie Eyden; Sridhar Kotari; Raj Joshi;	
2,091	20220150169	2021-10-18	METHOD AND APPARATUS FOR BLOCKCHAIN BASED ON INFORMATION-CENTRIC NETWORKING	Quang Thai; Nam KO; Sun KIM; Sung BYUN;	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE;
2,092	20240062222	2021-10-18	METHOD, APPARATUS AND DEVICE FOR AUDITING DATA BASED ON BLOCKCHAIN, AND STORAGE MEDIUM	Chongyi ZHANG; Jianliang GU;	
2,093	20220121769	2021-10-18	SYSTEM AND METHOD FOR FACILITATING MULTI-LEVEL SECURITY OF DATA IN DISTRIBUTED ENVIRONMENT	Paul Bailey;	Cognitive Space;
2,094	20220108311	2021-10-18	APPLICATION FOR CREATING REAL TIME SMART CONTRACTS	Jose Vivas; Gustavo Muci; Diego Primavesi;	
2,095	20220036448	2021-10-18	Electronic Commerce Service Device and Operating Method Therefor, and Service Device	Ki KANG;	
2,096	20220173905	2021-10-15	TRUSTED VIDEO STREAMING METHOD DEVELOPED USING BLOCKCHAIN TECHNOLOGY ON MOBILE DEVICES	Nasim TAVAKKOLI; Enver OZDEMIR; Gunes KARABULUT KURT;	Istanbul Teknik Universitesi;
2,097	20220038261	2021-10-15	CONTENT VALIDATION USING BLOCKCHAIN	Pamela RICE;	
2,098	20220038294	2021-10-15	PLATFORM FOR GENERATING AUTHENTICATED DATA OBJECTS	Karim HAMASNI; Charles ST LOUIS; Graham MILLER; Atilla FIRAT; Ugobame UCHIBEKE; Joe LARIZZA; Ioannis BAKAGIANNIS;	
2,099	20230123959	2021-10-14	SYSTEMS AND METHODS FOR AN ENERGY MONITORING AND TRANSFER	SOUNDARAI ARUNACHALAM; MURAJITH MURALEEDHARAN; SHALU SINGHVI; ASHALATHA DEVARAJAN; SURESH PALLE; SIMON DART;	
2,100	20220309501	2021-10-14	BLOCKCHAIN-BASED TRUSTED TRANSACTION METHOD FOR DATA PRODUCT	Jun Guo; Li Fu; Zhou Zheng; Minglong Zhang; Yuyou Weng; Wei Xie; Chenxiang Lin; Guoqing Lin; Teng Ma; Jianye Huang; Bingqian Liu; Shuang Lin;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,101	20220114578	2021-10-14	MULTISIGNATURE KEY CUSTODY, KEY CUSTOMIZATION, AND PRIVACY SERVICE	Christoph Jentzsch; Simon Jentzsch; Steffen Kux;	
2,102	20220116214	2021-10-14	MULTISIGNATURE KEY CUSTODY, KEY CUSTOMIZATION, AND PRIVACY SERVICE	Christoph Jentzsch; Simon Jentzsch; Steffen Kux;	
2,103	20220103341	2021-10-13	CPU Mining in Blockchain Environments	Paul Snow;	Inveniam Capital Partners, Inc.;
2,104	20220103343	2021-10-13	Encryption & Proof-of-Work in Blockchain Environments	Paul Snow;	Inveniam Capital Partners, Inc.;
2,105	20220103344	2021-10-13	Encryption & Proof-of-Work in Blockchain Environments	Paul Snow;	Inveniam Capital Partners, Inc.;
2,106	20220103364	2021-10-13	Hashing Cache Misses in Blockchain Environments	Paul Snow;	Inveniam Capital Partners, Inc.;
2,107	20220038259	2021-10-13	ACCESS TO DATA BROADCAST IN ENCRYPTED FORM BASED ON BLOCKCHAIN	Davide Fazzone; Luigi Lombardi; Vinicio Bombacino; Andrea Tortosa;	
2,108	20220029805	2021-10-13	Recordation of Device Usage to Blockchains	Paul Snow;	Inveniam Capital Partners, Inc.;
2,109	20230410101	2021-10-12	BLOCKCHAIN	Ying CHAN; John FLETCHER;	Cambridge Cryptographic Ltd;
2,110	20230410102	2021-10-12	BLOCKCHAIN	John FLETCHER; Ying CHAN;	Cambridge Cryptographic Ltd;
2,111	20230006845	2021-10-12	SYSTEMS AND METHODS FOR BLOCKCHAIN STORAGE OF DATA GENERATED VIA PAIRED SMARTPHONE AND SMARTWATCH	Charles Leedom, JR;	SYFEREX, LLC;
2,112	20220088882	2021-10-12	APPARATUS, SYSTEM, AND METHOD FOR BLOCKCHAIN TRACKING OF SPOOLED ADDITIVE MANUFACTURING PRINT MATERIAL	JON DARCY; LUKE RODGERS; JOHN DULCHINOS; KYLE CHEUNG; BRIAN YATES;	JABIL INC.;
2,113	20220028017	2021-10-12	DISTRIBUTED LEDGER AND BLOCKCHAIN TECHNOLOGY-BASED RECRUITMENT, JOB SEARCHING AND/OR PROJECT SEARCHING, SCHEDULING, AND/OR ASSET TRACKING AND/OR MONITORING, AND/OR INTELLECTUAL PROPERTY COMMERCIALIZATION, APPARATUS AND METHOD	RAYMOND JOAO;	
2,114	20230394063	2021-10-12	MERKLE PROOF ENTITY	Wei ZHANG; Bassem AMMAR; Jack DAVIES; Craig WRIGHT;	
2,115	20230388136	2021-10-12	MERKLE PROOF ENTITY	Wei ZHANG; Bassem AMMAR; Jack DAVIES; Craig WRIGHT;	
2,116	20220035623	2021-10-12	RESOURCE TRUST MODEL FOR SECURING COMPONENT STATE DATA FOR A RESOURCE USING BLOCKCHAINS	Michael CHAN; Derek CHAMORRO; Venkata Siva Vijayendra BHAMIDIPATI; Arpit JAIN;	
2,117	20220038138	2021-10-12	Payment System for Wireless Power Sharing	Christopher Beckman;	
2,118	20220103584	2021-10-11	Information Security Using Blockchain Technology	Kevin Tobin;	
2,119	20230112482	2021-10-11	SYSTEM AND METHOD FOR MANAGING COMMUNICATION NETWORKS WITH QUANTUM BLOCKCHAINS	Mark Stockert; Thomas Routt;	AT&T Intellectual Property I, L.P.; AT&T Mobility II LLC;
2,120	20230116358	2021-10-11	DIGITIZED SYSTEM AND A METHOD TO DISPLAY, FORMULATE AND MODERATE REPUTATION OR RATING OF A WEBSITE ENTITY	Meyyappan Alagappan;	Other;

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#	Pub. No	Filed	Title	Inventors	Assignees
2,121	20220026877	2021-10-11	OUTER SPACE DIGITAL LOGISTICS SYSTEM	George Small; James van Oss; James Regenor; Paul Guerrier; George Baggs; Jason Jones;	
2,122	20230112261	2021-10-10	VALIDATING CERTIFICATES	Richard Gunjal; Subhra Bhakta;	
2,123	20220029815	2021-10-09	STREAMING CONTENT VIA BLOCKCHAIN TECHNOLOGY	Saswata Basu; Thomas Austin;	
2,124	20230111974	2021-10-08	Systems And Methods Using Blockchain For In-Vehicle Health And Wellness Tracking	Jay Chen; Matthew Cassoli; Pramita Mitra; Josh Fodale; Spencer White; John Jaranson;	Ford Global Technologies, LLC;
2,125	20220147511	2021-10-08	METHOD AND APPARATUS FOR BLOCK PROPAGATION IN BLOCKCHAIN PLATFORM	Seungwon WOO;	
2,126	20220023742	2021-10-08	BLOCKCHAIN	Bao Tran; Ha Tran;	
2,127	20220188787	2021-10-08	BLOCKCHAIN-BASED TRANSACTION KIOSK	Mohammed ADHAM; Nathaniel WOOD;	
2,128	20220027904	2021-10-08	METHOD AND SYSTEM FOR OFFLINE DATA TRANSFER VIA MACHINE-READABLE CODE	Ankur Arora;	MASTERCARD INTERNATIONAL INCORPORATED;
2,129	20220027355	2021-10-07	METHODS FOR EXTENDING A PROOF-OF-SPACE-TIME BLOCKCHAIN	Bram Cohen; Krzysztof Pietrzak; Mariano Sorgente;	
2,130	20220027344	2021-10-07	SYSTEM AND METHOD FOR SUPPORTING SQL-BASED RICH QUERIES IN HYPERLEDGER FABRIC BLOCKCHAINS	CARLO INNOCENTI;	
2,131	20220027356	2021-10-07	ADVANCED SMART CONTRACT WITH DECENTRALIZED LEDGER IN A MULTI-TENANT ENVIRONMENT	Prithvi Padmanabhan; Sri Naga Deepthi Velisetti; Philip Calvin; Brent Fosdick;	salesforce.com, inc.;
2,132	20220030424	2021-10-07	BLOCKCHAIN-BASED FRONT-END ORCHESTRATOR FOR USER PLANE NETWORK FUNCTIONS OF A 5G NETWORK	Arturo Maria;	
2,133	20230108369	2021-10-06	ENHANCED SYSTEMS AND PROCESSES FOR BLOCKCHAIN TOKENS AND LEDGER FOR HEALTHCARE TRANSACTIONS	Alex Bachoura;	
2,134	20220027384	2021-10-05	Data Manifest as a Blockchain Service	Vishal Patangia; Mark Standring; Vasudevan Atteeri; Matthew Steed;	
2,135	20220027908	2021-10-05	Automated Event Processing Computing Platform for Handling and Enriching Blockchain Data	Jisoo Lee; John Checco; William Stahlhut; Joseph Castinado; Brad Romano; Suki Ramasamy; Patrick Lawrence; Lekha Ananthakrishnan;	
2,136	20220029810	2021-10-05	IDENTITY AND ELECTRONIC SIGNATURE VERIFICATION IN BLOCKCHAIN	Qiaochu TANG; Geoffrey DAGLEY; Stephen WYLIE; Micah PRICE; Jason HOOVER;	Capital One Services, LLC;
2,137	20220030000	2021-10-05	Automated Event Processing Computing Platform for Handling and Enriching Blockchain Data	Jisoo Lee; John Checco; William Stahlhut; Joseph Castinado; Brad Romano; Suki Ramasamy; Patrick Lawrence; Lekha Ananthakrishnan;	
2,138	20230109544	2021-10-05	SYSTEMS AND METHODS FOR CONDUCTING REMOTE ATTESTATION	Abel Fletcher;	
2,139	20220107929	2021-10-05	System and Method Implementing a Distributed Audit Trail	Gregory Falco; Joshua Siegel;	The Board of Trustees of the Leland Stanford Junior University; Board of Trustees of Michigan State University;
2,140	20220029785	2021-10-05	TRACEABILITY OF EDITS TO DIGITAL DOCUMENTS VIA DISTRIBUTED LEDGERS	Gavin Stuart Peter Miller; Xuejen Xu; Max Edell; John Bates; Matthew Albright;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,141	20220108269	2021-10-04	METHOD AND SYSTEM FOR AUTOMATICALLY DISTRIBUTING ASSET POOL SHARES AMONG ACTORS IN A BLOCKCHAIN NETWORK	Alastair Orchard; Corradino Guerrasio;	
2,142	20220027518	2021-10-04	AUTOMATIC GENERATING ANALYTICS FROM BLOCKCHAIN DATA	Gennaro Cuomo; Donna Dillenberger; Fenno Heath, III; Rong Liu; Roman Vaculin;	
2,143	20220027988	2021-10-04	METHODS AND APPARATUS FOR MORTGAGE LOAN SECURITIZATION BASED UPON MORTGAGE SERVICING STORED ON BLOCKCHAIN	Shane Leonard; Richard Collins;	Ranieri IP, LLC;
2,144	20230103398	2021-10-04	Security Deposits Using Tokenized Reputation Scores	Shannon Vosseller; Andrew Chalkley;	eBay Inc.;
2,145	20220027897	2021-10-04	Recordation of Device Usage to Blockchains	Paul Snow;	Inveniam Capital Partners, Inc.;
2,146	20220029786	2021-10-04	DECENTRALIZED COMPUTATION SYSTEM ARCHITECTURE BASED ON NODE SPECIALIZATION	Dietrich SHIRLEY; Fabiano PEREIRA SORIANI; Christopher SCOTT; Layne LAFRANCE;	Dapper Labs Inc.;
2,147	20230108983	2021-10-01	Digital Content Control Based on Nonfungible Tokens	Shannon Vosseller; Christopher Matthews;	eBay Inc.;
2,148	20220038446	2021-09-30	Identity Proofing and Portability on Blockchain	Jose Caldera; Kieran Sherlock;	
2,149	20220020069	2021-09-30	SECURELY FACILITATING EXTENDED USE OF AN EXCHANGE ITEM	Conrad Barski; Josh Metnick;	Raise Marketplace, LLC;
2,150	20220292496	2021-09-29	SYSTEMS AND METHODS FOR DOMESTIC AND/OR CROSS BORDER BLOCKCHAIN TRANSACTION SOLUTIONS INVOLVING CENTRAL BANK DIGITAL CURRENCY	Jun Yan;	
2,151	20220237695	2021-09-29	ELECTRIC POWER BROKERAGE METHOD AND SYSTEM WITH ENHANCED DATA CONFIDENTIALITY AND INTEGRITY BASED ON BLOCKCHAIN	Tae HWANG; Il LEE;	Electronics and Telecommunications Research Institute;
2,152	20220034004	2021-09-29	Digital Contracts in Blockchain Environments	Paul Snow;	Inveniam Capital Partners, Inc.;
2,153	20220019559	2021-09-29	Blockchain Services	Paul Snow;	Inveniam Capital Partners, Inc.;
2,154	20220020001	2021-09-29	Decisional Architectures in Blockchain Environments	Paul Snow;	Inveniam Capital Partners, Inc.;
2,155	20220029816	2021-09-29	OPTIMIZATIONS FOR VERIFICATION OF INTERACTIONS SYSTEM AND METHOD	Mahdi Zamani; Lucianna Kiffer; Karl Bunz;	
2,156	20230107197	2021-09-28	BLOCKCHAIN BASED INTERACTION PROCESSING	Manas Sharma;	
2,157	20230102756	2021-09-28	REROUTING CARD-ORIGINATED PAYMENT TRANSACTIONS FROM A DEFAULT PAYMENT CARD NETWORK WORKFLOW TO A BLOCKCHAIN SYSTEM	Sujin Park; Micah Riggan;	
2,158	20230379699	2021-09-28	SECURITY MANAGEMENT OF NETWORKED DEVICES USING A DISTRIBUTED LEDGER NETWORK	Kevin OERTON; Kristopher BYRNE;	
2,159	20220020235	2021-09-28	BLOCKCHAIN-CONTROLLED AND LOCATION-VALIDATED LOCKING SYSTEMS AND METHODS	Ranjeev Singh;	
2,160	20220027893	2021-09-27	Digital Contracts in Blockchain Environments	Paul Snow;	Inveniam Capital Partners, Inc.;

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#	Pub. No	Filed	Title	Inventors	Assignees
2,161	20220030054	2021-09-27	Load Balancing in Blockchain Environments	Paul Snow;	Inveniam Capital Partners, Inc.;
2,162	20230102162	2021-09-27	ACCELERATED FACT CHECKING WITH DISTRIBUTED LEDGERS	Anderson Santana De Oliveira; Cedric Hebert;	SAP SE;
2,163	20220012700	2021-09-27	Peer to Peer Electronic Data Exchange	Altaf HADI;	
2,164	20230099700	2021-09-24	LIFECYCLE HARDWARE, FIRMWARE, AND SOFTWARE TRACKING USING BLOCKCHAIN	Michael Angelo; Douglas Grover;	MICRO FOCUS LLC;
2,165	20220101430	2021-09-24	Blockchain-Based Carbon Credit Database	Benny Barton;	
2,166	20230379367	2021-09-23	Data Security Systems and Methods on Controlled Devices	Michael RATINER; Dan ELIAV;	
2,167	20230359774	2021-09-23	METHOD FOR DATA COMMUNICATION AND ELECTRONIC DEVICE	Junjie Zhao;	
2,168	20230085691	2021-09-23	TRIFOCAL KEY FOR CONTROLLING CUSTODIANS OF DIGITAL ASSETS	Nitin Gaur; Petr Novotny; Yacov Manevich; Artem Barger; YADA ZHU;	
2,169	20230086612	2021-09-23	DEEP INTELLIGENCE FOR DECENTRALIZED FINANCE	Brian Haney; Archie Chaudhury;	
2,170	20230092436	2021-09-23	FRAMEWORK FOR DEMARACTION OF DIGITAL ASSETS	Nitin Gaur; Petr Novotny; Qi Zhang; Lei Yu;	
2,171	20230382051	2021-09-22	APPARATUS, SYSTEM, AND METHOD FOR BLOCKCHAIN TRACKING OF SPOOLED ADDITIVE MANUFACTURING PRINT MATERIAL	Jonathan DARCY; LUKE RODGERS; JOHN DULCHINOS; KYLE CHEUNG; BRIAN YATES;	JABIL INC.;
2,172	20230327752	2021-09-22	SATELLITE-BASED BLOCKCHAIN ARCHITECTURE	Xintong LING; Pengcheng CHEN; Zheng GAO; Yuwei LE; Jiaheng WANG; Li YOU; Xiqi GAO;	
2,173	20230088197	2021-09-22	Systems, Methods, and Computer Program Products for Blockchain Secured Code Signing of Autonomous Vehicle Software Artifacts	Alexander Cline;	
2,174	20220092153	2021-09-22	SYSTEM AND METHOD FOR SECURING STORED AND MERGED IMAGES USING BLOCKCHAIN	Robert Cantrell; Chris Harder;	
2,175	20220005311	2021-09-22	METHOD AND APPARATUS FOR CONDUCTING FAIR LOTTERY WHILE REDUCING TRANSACTION COST BY USING BLOCKCHAIN NETWORK	Kye AHN; Chang KIM;	
2,176	20240061912	2021-09-22	PROCESS AND PLATFORM FOR TRACEABILITY OF AN ATTACHMENT GENERATED BY A THIRD PARTY FROM A SOURCE DOCUMENT BY MEANS OF A BLOCKCHAIN SYSTEM	Anne-Cecile DAVRON; David DAVRON;	
2,177	20230088936	2021-09-22	Physical Storage Vault for Physical Items of Digital Twin NFTs	Andrew Chalkley; Eswara Satya Pavan Rajesh Pinapala; Ganesh Talele; Michael Cheung; Akshada More; Tsun Kwan Donald Siu;	eBay Inc.;
2,178	20220292488	2021-09-21	SYSTEMS AND METHODS FOR DOMESTIC AND/OR CROSS BORDER BLOCKCHAIN TRANSACTION SOLUTIONS INVOLVING CENTRAL BANK DIGITAL CURRENCY	Jun Yan;	
2,179	20230096163	2021-09-21	ACCELERATED INVOICING USING PREDICTIVE FREIGHT EVENTS	Krishnasuri Narayanam; Pankaj Dayama; Yedendra Shrinivasan;	
2,180	20230091686	2021-09-21	DIGITAL ASSET PLATFORM WITH HSM VERIFICATION	TAKUYA NAKAIKE; Moriyoshi Ohara; Christopher Smith; Angel Nunez Mencias; Peter De Meo;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,181	20220058639	2021-09-21	BLOCKCHAIN-BASED TRUSTABLE GUARANTEES	Xuming Lu; Hui Zhou; Guojun YE;	ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD.;
2,182	20220060484	2021-09-20	PROVIDING DATA AUTHORIZATION BASED ON BLOCKCHAIN	Changzheng Wei; Ying Yan; Hui Zhang; Yujun Peng;	Advanced New Technologies Co., Ltd.;
2,183	20220092599	2021-09-20	Systems and Methods for a Permissionless Decentralized Virtual Asset Network	Michael Sofaer;	Pylons, Inc.;
2,184	20220004538	2021-09-20	AUTONOMOUS EXCHANGE VIA ENTRUSTED LEDGER IMMUTABLE DISTRIBUTED DATABASE	Benedict Ow; Richard Stiles; Anthony Tan;	Duvon Corporation;
2,185	20230087602	2021-09-19	PRIVACY-PRESERVING STATE REFERENCE	Angelo De Caro; Kaoutar El Khiyaoui; Elli Androulaki; Ioanna Karantaidou;	
2,186	20230316398	2021-09-17	TRADING SYSTEM	Jun KIMURA;	
2,187	20230091179	2021-09-17	SYSTEM AND METHOD FOR BUILDING A TRUSTED NETWORK OF DEVICES	Syed Bari;	
2,188	20230092012	2021-09-17	Adding Additional Value to NFTs	Christopher Matthews; Andrew Chalkley; Paul Stathacopoulos;	eBay Inc.;
2,189	20220004379	2021-09-15	SYSTEM AND METHOD FOR SECURE PEER DEPLOYMENT OF SOFTWARE TO NETWORKED DEVICES	William SU; Jia ZHANG;	
2,190	20230080599	2021-09-14	NON-FUNGIBLE TOKENIZED CONTRACT EMBEDDED IN A BLOCKCHAIN	Taylor Rose; Justin Padawer;	
2,191	20230083385	2021-09-14	DYNAMIC MODIFICATION OF ROBOTIC PROCESS AUTOMATION CONTROLS USING BLOCKCHAIN	Siva Paini; Sakshi Bakshi; Srinivasa Dhanwada; Sudhakar Balu;	
2,192	20210406881	2021-09-14	METHOD AND SYSTEM FOR CONSENT TO TIME-BOUND QUERIES IN A BLOCKCHAIN	Rakesh YADAV; Steven DAVIS;	MASTERCARD INTERNATIONAL INCORPORATED;
2,193	20230079195	2021-09-14	NON-FUNGIBLE-TOKEN-BASED COMMERCE ATTRIBUTE	Lucas Matheson; John Jong-Suk Lee;	
2,194	20230088674	2021-09-13	SYSTEMS AND METHODS FOR BLOCKCHAIN NETWORK CONGESTION-ADAPTIVE DIGITAL ASSET EVENT HANDLING	John Jong-Suk LEE;	Shopify Inc.;
2,195	20220083656	2021-09-13	APPARATUS AND METHOD FOR TOLERATING BYZANTINE FAULTS IN BLOCKCHAIN PLATFORMS	Chanik PARK; Jeong MA;	
2,196	20220083683	2021-09-13	DISTRIBUTED SELF-GOVERNING COMPUTER NETWORK TO CORRELATE BLOCKCHAIN AND PRIVATE COMPUTER SYSTEM TRANSACTIONS METHOD, APPARATUS, AND SYSTEM	Patrick Murck; Kataryna Gray; Jeffrey Kramer;	Transparent Financial Systems, Inc.;
2,197	20230081416	2021-09-10	ANONYMOUS PRIVATE SHARED PARTITIONS IN BLOCKCHAIN NETWORKS	Yacov Manevich; Jason Yellick;	
2,198	20210409799	2021-09-10	SYSTEM AND METHOD FOR MANAGING DYNAMIC PRICING OF MEDIA CONTENT THROUGH BLOCKCHAIN	John Manganilla; Gowrishankar Natarajan; Virgil Archer, III;	AT&T Intellectual Property I, L.P.;
2,199	20220138848	2021-09-10	ELECTRONIC TRADING SYSTEM AND DATA CONCEALMENT METHOD FOR ELECTRONIC TRADING SYSTEM	Katsuhiro FUKUNAKA;	
2,200	20210409201	2021-09-08	REMOTELY MANAGING DEVICES USING BLOCKCHAIN AND DICE-RIOT	Antonino Mondello; Alberto Troia;	

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2,201	20230073859	2021-09-08	Digital Twin NFT Listing	Christopher Matthews; Andrew Chalkley;	eBay Inc.;
2,202	20220114666	2021-09-07	SYSTEM AND METHOD FOR BLOCKCHAIN PATENT POOLING	Erich SPANGENBERG;	
2,203	20230370266	2021-09-07	TOKEN MANAGEMENT METHOD, END-USER MANAGEMENT APPARATUS, AND TOKEN PROCESSING APPARATUS	Yuki KONDO; Yasunori HASHIMOTO; Tomokazu SAKAI; Taichi ISHIGURE;	
2,204	20240029158	2021-09-06	METHOD FOR REAL-TIME DATA COMMUNICATION, ELECTRONIC DEVICE, AND SYSTEM	Junjie Zhao; Shaobei Chen;	
2,205	20230072866	2021-09-03	AUTHENTICATION BASED ON TRANSACTIONS STORED IN BLOCKCHAIN	Douglas Grover; Michael Angelo;	MICRO FOCUS LLC;
2,206	20230073883	2021-09-03	MULTI-BLOCKCHAIN TOKEN REBALANCER	Erik TIERNEY; Marcus BOORSTIN; Huawei GU;	
2,207	20220180333	2021-09-02	LABOR-BASED BLOCKCHAIN	Paul Kim; Mircea Capota;	Project Noa Inc.;
2,208	20230325825	2021-09-02	METHODS AND SYSTEMS FOR SYNCHRONISED AND ATOMIC TRACKING	Andrew MEE;	
2,209	20230268042	2021-09-01	BLOCKCHAIN BASED HEALTHCARE MANAGEMENT NETWORK	Jaison SEBASTIAN; Jothydev KESAVADEV; Pradeep JOSEPH; Vinu SREEDHARAN; Sambhu Prasad Balakrishna PILLAI;	
2,210	20210399900	2021-09-01	METHOD AND SYSTEM FOR A TRUSTED EXECUTION ENVIRONMENT-BASED PROOF OF STAKE PROTOCOL	Sebastien Andreina; Ghassan Karame; Wenting Li; Giorgia Marson;	
2,211	20230370288	2021-08-31	PHYSICALLY UNCLONABLE FUNCTIONS STORING RESPONSE VALUES ON A BLOCKCHAIN	Jack DAVIES; Craig WRIGHT;	
2,212	20230067537	2021-08-31	BLOCKCHAIN MANAGED MEDICAL IMPLANTS	Niall Casey; Michael Cordonnier; Shariq Hussain;	
2,213	20230336366	2021-08-31	AUTHENTICATION SYSTEM AND METHOD	Jack DAVIES; Craig WRIGHT;	
2,214	20220005002	2021-08-31	Closed Loop Recycling Process and System	Phillippe Graf von Stauffenberg;	
2,215	20230155381	2021-08-30	BLOCKCHAIN-BASED ELECTRICITY CHARGE SETTLEMENT METHOD AND SYSTEM FOR ENERGY STORAGE STATION	Huafeng Yan; Dong Wang; Jiaxing Xuan; Da Li; Shuai Chen; Shaoqin Han; Yuxiang Cai; Yanxu Dong; Zhen Xue; Zheng Jia; Xinyan Wang;	
2,216	20230063043	2021-08-27	MANAGEMENT OF RESOURCE ACCESS IN A BLOCKCHAIN	Douglas Grover;	MICRO FOCUS LLC;
2,217	20220067717	2021-08-27	BLOCKCHAIN SYSTEM THAT INCLUDES BANK NODES EACH HAVING SEPARATE LEDGERS FOR IDENTITY, DIGITAL CURRENCY AND OTHER FUNCTIONS, AND OPERATION METHOD THEREOF	Seok YUN;	SOVEREIGN WALLET CO., LTD.;
2,218	20220069602	2021-08-27	METHOD AND APPARATUS FOR AUTOMATICALLY AUTHENTICATING ELECTRIC VEHICLE CHARGING USER BASED ON BLOCKCHAIN	Min Shin;	
2,219	20220048310	2021-08-27	STRUCTURE FOR SECURE CONTAINMENT OF INFORMATION	Adam Trexler; Laurie Johansen; Paul Diffendaffer; Kelda Diffendaffer;	
2,220	20230068301	2021-08-26	METHOD AND SYSTEM FOR PRIVATELY MANAGED DIGITAL ASSETS ON AN ENTERPRISE BLOCKCHAIN	Sébastien LE CALLONNEC; Rakesh YADAV; Thomas TREITLINGER;	MASTERCARD INTERNATIONAL INCORPORATED;

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2,221	20210390558	2021-08-26	SMART LOGISTICS MANAGEMENT USING BLOCKCHAIN	Long CHENG; Yanpeng LI;	
2,222	20230069258	2021-08-26	DIGITAL NETWORK MARKETPLACE	Diego DUARTE;	
2,223	20230318856	2021-08-25	CRYPTOGRAPHIC ASSET BLOCKCHAIN PROCESSING APPARATUS, PROCESSING METHOD, PROCESSING SYSTEM, AND PROCESSING PROGRAM	Yoshinori SEKI; Junya KONDO; Takeshi SUGIHARA; Chiaki KAMIJO; Toshiyuki ABE; Toshihiko MURATA; Masatake TOYOTA; Jitendra GAMBHIR; Goutham THANGARAJ; Astha JADA; Noorah KAZI; Shingo TODA; Tarun N/A;	KPMG AZSA LLC;
2,224	20230062776	2021-08-25	Supplemental Digital Content Access Control using Nonfungible Tokens (NFTs)	Shannon Vosseller; Christopher Matthews;	eBay Inc.;
2,225	20220086011	2021-08-25	System, Methods and Apparatus to Quantify Efficacy of Transportation Systems and to Provide Electronic Warranty Certificate for Equipment and Manage Maintenance Contracts	Qirfiraz Siddiqui; Gilles de Bordeaux; Nanette Rosen;	Smart Bumper Sticker Inc;
2,226	20230066630	2021-08-24	SYSTEM AND METHOD FOR ENSURING DOCUMENT INTEGRITY WITH NON-FUNGIBLE TOKENS	John deWaide;	
2,227	20220058646	2021-08-24	METHOD FOR MEDIATING VIRTUAL ASSET TRANSMISSION	Jae OH; Hyeok CHOI;	
2,228	20220147993	2021-08-23	SECURE PEER-TO-PEER TRANSCTIONS USING A BLOCKCHAIN NETWORK	Arbër FAZLIU; Kastriot FAZLIU;	
2,229	20220044213	2021-08-23	BLOCKCHAIN BASED BANK CHECKING NETWORK WITH PAPER CHECKING ENHANCEMENTS	Jun Yan;	
2,230	20230342437	2021-08-23	BLOCKCHAIN-BASED SYSTEM AND METHOD FOR PUBLISHING AN OPERATING SYSTEM	Alessio PAGANI;	
2,231	20220040557	2021-08-23	NON-FUNGIBLE TOKEN (NFT)	Bao Tran;	
2,232	20220043919	2021-08-20	COMPUTER METHOD FOR ENTRY OF PLURAL INPUT MODALITIES ONTO A SECURE DISCLOSURE BLOCKCHAIN	Joshua Crumb; Timothy Londergan; Christopher Wiklof;	
2,233	20210383024	2021-08-20	METHOD AND SYSTEM OF PROVIDING PERSONAL INFORMATION BASED ON BLOCKCHAIN	Jinhong YANG;	INJE UNIVERSITY INDUSTRY-ACADEMIC COOPERATION FOUNDATION;
2,234	20210382899	2021-08-19	DUAL-STACK ARCHITECTURE THAT INTEGRATES RELATIONAL DATABASE WITH BLOCKCHAIN	Alexander Ocher; Viktor Lapitski; Andrey Belyy;	
2,235	20210383428	2021-08-19	BLOCKCHAIN SOLUTION FOR AN AUTOMATED ADVERTISING MARKETPLACE	Lars Johnson; Hans Fischmann; Cristina Serban; Jennifer Morovitz; Paul Giura;	AT&T Intellectual Property I, L.P.;
2,236	20230224161	2021-08-19	SELF-AUTHORIZING IDENTIFICATION AND APPLICATIONS THEREFOR	Heping SHANG; James QIU;	
2,237	20220058596	2021-08-19	Pyramidion Cryptocurrency	Damon Danner;	
2,238	20230325407	2021-08-18	Blockchain Blocks Storage Management	Markus Sauer; Saurabh Singh;	Siemens Aktiengesellschaft;
2,239	20220114564	2021-08-18	METHOD AND SYSTEM FOR EFFICIENT TRANSFER OF CRYPTOCURRENCY ASSOCIATED WITH A PAYROLL ON A BLOCKCHAIN THAT LEADS TO AN AUTOMATED PAYROLL METHOD AND SYSTEM BASED ON SMART CONTRACTS	Craig Wright; Stephane Savanah;	
2,240	20230070625	2021-08-17	GRAPH-BASED ANALYSIS AND VISUALIZATION OF DIGITAL TOKENS	Nitin Gaur; YADA ZHU; Toyotaro Suzumura; Sachiko Yoshihama;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,241	20230072264	2021-08-17	Method For Certification, Validation And Correlation Of Bills Of Materials In A Software Supply Chain	Julian COCCIA;	
2,242	20230059811	2021-08-17	BLOCKCHAIN-BASED SUPPLY CHAIN AND INVENTORY MANAGEMENT SYSTEM AND METHOD	Frank Joseph Lamont Gauld;	
2,243	20220058641	2021-08-17	DEVICE AND METHOD FOR PROCESSING DATA OF TRANSACTIONS BASED ON BLOCK CHAIN, AND STORAGE MEDIUM	WUN-CING LAI;	
2,244	20230052413	2021-08-16	SYSTEM AND PLATFORM FOR DEIDENTIFIED AND DECENTRALIZED SOCIAL GAMING VIA THE BLOCKCHAIN	Nathaniel Bradley; Joshua Paugh; Eric Klayman; Christian Talvy; Alexander Antonopoulos; Joseph Grigoli;	Data Vault Holdings, Inc.;
2,245	20230394476	2021-08-16	QUIC TRANSACTIONS	Alessio PAGANI; Brad KRISTENSEN;	
2,246	20210374214	2021-08-13	METHOD AND SYSTEM FOR SECURING COMPUTER SOFTWARE USING A DISTRIBUTED HASH TABLE AND A BLOCKCHAIN	Craig Wright; Stephane Savanah;	
2,247	20230274361	2021-08-13	DISTRIBUTED LEDGER TECHNOLOGY FOR ASSET-BACKED SECURITIES	Michael McCORMACK; Dylan GRAHAM; Robert KIM; Anna GLICK; Monica CONCEPCION; Eyal GUY; Albert CHAN; Erez PARAG; Mike TYLER;	
2,248	20230050048	2021-08-13	Isolating And Reinstating Nodes In A Distributed Ledger Using Proof Of Innocence	Sandeep Chauhan; Govinda Nelluri;	
2,249	20220215362	2021-08-13	SYSTEMS AND METHODS FOR PEER-TO-PEER EXCHANGES OF NON-FUNGIBLE DIGITAL ASSETS	Rudy Koch;	
2,250	20220050929	2021-08-13	SECURE FORECAST SYSTEM TO GENERATE FORECASTS THAT PREVENT UNAUTHORIZED DATA MODIFICATION AND INCLUDES REPORTS ON A TARGET LEVEL OF INTEGRITY TRACEABLE TO HIGH INTEGRITY DATA SOURCES	Terence Kades;	
2,251	20230045867	2021-08-12	BLOCKCHAIN BASED OWNERSHIP VERIFICATION	Avradip MANDAL; Hart MONTGOMERY; Arnab ROY;	FUJITSU LIMITED;
2,252	20230049512	2021-08-12	SPLITTABLE BLOCKCHAIN BASED OWNERSHIP VERIFICATION	Avradip MANDAL; Hart MONTGOMERY; Arnab ROY;	FUJITSU LIMITED;
2,253	20220391987	2021-08-12	BLOCKCHAIN-BASED INSURANCE CLAIMS TRANSACTION PROCESSING SYSTEM AND METHOD	Anthony Allogia;	
2,254	20210374273	2021-08-12	Apparatus and Method for Controlling Access to User Information	Xiaohu Chen;	
2,255	20210377023	2021-08-12	METHOD AND SYSTEM FOR INTERACTING PUBLIC AND PRIVATE BLOCKCHAINS WITH CONTROLLED PARTICIPATION AND DISPUTE RESOLUTION	Shuvam SENGUPTA;	MASTERCARD INTERNATIONAL INCORPORATED;
2,256	20230059580	2021-08-11	BLOCKCHAIN WITH RANDOM COMMITTEE SELECTION	Yacov Manevich; Artem Barger; Hagar Meir;	
2,257	20230046907	2021-08-11	METHODS OF DETERMINING REDEMPTION OF CONTENT PROVIDED THROUGH SOCIAL MEDIA MARKETING USING A POS SYSTEM AND RELATED SYSTEMS	Susan Brosnan; Tayon Dancy; Manda Miller; John Pistone;	
2,258	20220051183	2021-08-11	TECHNIQUES FOR VERIFYING THE STATE OF AN ITEM DURING TRANSIT	Robert FRANZO;	
2,259	20210377009	2021-08-11	Multiparty Key Exchange	Michael Fiske;	
2,260	20230327894	2021-08-10	METHOD AND APPARATUS FOR REDUCING ORPHAN BLOCKS FOR A BLOCKCHAIN	Ki-Dong LEE;	LG ELECTRONICS INC.;

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#	Pub. No	Filed	Title	Inventors	Assignees
2,261	20220045840	2021-08-10	METHODS AND SYSTEMS FOR SOMEWHAT HOMOMORPHIC ENCRYPTION AND KEY UPDATES BASED ON GEOMETRIC ALGEBRA FOR DISTRIBUTED LEDGER/BLOCKCHAIN TECHNOLOGY	David Honorio Araujo da Silva; Carlos Paz de Araujo; Hanes Marques de Oliveira; Marcelo Araujo Xavier;	X-Logos, LLC;
2,262	20230048270	2021-08-10	SYSTEMS AND METHODS FOR PRODUCT LIFECYCLE AUTOMATION WITH CONSUMER DRIVEN APPLICATIONS	Eric Zavesky; Nigel Bradley; Rashmi Palamadai;	AT&T Intellectual Property I, L.P.;
2,263	20210391995	2021-08-10	EVM-BASED TRANSACTION PROCESSING METHOD, DEVICE AND MEDIUM	Lei ZHANG; Bingxin FAN; Qi ZHENG; Wei XIAO;	BEIJING BAIDU NETCOM SCIENCE AND TECHNOLOGY CO., LTD.;
2,264	20220067674	2021-08-09	BLOCKCHAIN BASED BANK CHECKING NETWORK WITH PAPER CHECKING ENHANCEMENTS	Jun Yan;	
2,265	20220284507	2021-08-08	Methods And Systems For A Blockchain Transfer Agent Protocol	John Wooten, IV;	Other;
2,266	20220060336	2021-08-06	Blockchain Management Through a Graphical User Interface	Tyson Winarski;	
2,267	20210365943	2021-08-06	Verifiable Transfer of Data Using Sharded Blockchain	Ahto BULDAS; Mart SAAREPERA; Michael GAULT; Risto LAANOJA;	Guardtime SA;
2,268	20210367764	2021-08-06	BLOCKCHAIN ANALYTICS	Marc MERCURI; Zeyad RAJABI; Eric MAINO;	Microsoft Technology Licensing, LLC;
2,269	20230359642	2021-08-06	METHOD, DEVICES AND SYSTEM FOR DATA EXCHANGE BETWEEN A DISTRIBUTED DATABASE SYSTEM AND DEVICES	Carlos Morra;	
2,270	20220051528	2021-08-06	LOCALIZED BETTING SYSTEM AND METHOD	Scott Carlson; José-Emmanuel Pont;	NAGRAVISION SA;
2,271	20210365902	2021-08-06	EVM-BASED TRANSACTION PROCESSING METHOD, DEVICE, PROGRAM AND MEDIUM	Lei ZHANG; Bingxin FAN; Qi ZHENG; Wei XIAO;	BEIJING BAIDU NETCOM SCIENCE AND TECHNOLOGY CO., LTD.;
2,272	20210365903	2021-08-06	EVM-BASED TRANSACTION PROCESSING METHOD, DEVICE, PROGRAM AND MEDIUM	Lei ZHANG; Bingxin FAN; Qi ZHENG; Wei XIAO;	BEIJING BAIDU NETCOM SCIENCE AND TECHNOLOGY CO., LTD.;
2,273	20230315692	2021-08-04	FILE SHARING METHOD, APPARATUS, AND SYSTEM	Changchun MU; Gang DI; Youcai QIAN; Sude QING; Qingjie CHEN; Jinzhao DU;	
2,274	20230044461	2021-08-04	Fully Collateralized Stablecoins that Pay a Fixed Rate of Interest	Philip Lyren;	
2,275	20230038652	2021-08-03	SYSTEMS AND METHODS FOR VERIFYING VIDEO AUTHENTICITY USING BLOCKCHAIN	Lipphei ADAM; George MARTINEZ; Jason OUELLETTE; Brian RICHARD;	
2,276	20220060545	2021-08-03	MOBILE COMMUNICATION DEVICE MONITORING SYSTEMS AND METHODS	Robert Lotter; Timothy Allard;	
2,277	20220083988	2021-08-02	METHOD AND SYSTEM FOR BLOCKCHAIN SUPPLY MANAGEMENT OF $100 BILL OR OTHER CURRENCY	Christopher Lynberg;	
2,278	20230031178	2021-08-02	SYSTEMS AND METHODS FOR HANDLING FAKE NEWS	Vishwas Panchaksharaiah; Vikram Gupta;	
2,279	20210357997	2021-08-02	BENEFIT ALLOCATION METHOD, APPARATUS, AND ELECTRONIC DEVICE	Xuming Lu;	Advanced New Technologies Co., Ltd.;
2,280	20230259929	2021-07-30	BLOCKCHAIN BASED IDENTITY MANAGEMENT FOR A SUPPLY CHAIN OF A COMPUTERISED NETWORK	Abubakar Sani; Zhao Dong; Ke Meng; Dong Yuan;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,281	20230030718	2021-07-30	RECORDING OF PART FABRICATION PARAMETERS IN BLOCKCHAIN LEDGERS	Yelena BALINSKY; Andre RABELO; Scott WHITE;	Hewlett-Packard Development Company, L.P.;
2,282	20230032836	2021-07-30	Storage System with Blockchain Based Features	Luis Pabón; Naveen Neelakantam; Taher Vohra;	Pure Storage, Inc.;
2,283	20230035049	2021-07-30	DISTRIBUTED LEDGER BASED ARTIFICE PROHIBITION TECHNOLOGY	Saurabh Gupta;	
2,284	20220052909	2021-07-30	BLOCKCHAIN-BASED NETWORK DEVICE MANAGEMENT METHODS AND DEVICES	Matteo Signorini; Matteo Pontecorvi;	
2,285	20220034819	2021-07-30	SYSTEM FOR DETECTING PATHOGENS IN PRODUCTS	WOLFGANG RICHTER; FARANAK ZADEH;	
2,286	20210359839	2021-07-30	MULTI-BLOCKCHAIN DIGITAL TRANSACTION INFORMATION SEGREGATION SYSTEM	Pankaj Sarin;	
2,287	20230298007	2021-07-29	ENHANCED DUE DILIGENCE SYSTEM FOR CRYPTOCURRENCIES	Vishal GUPTA;	
2,288	20210357195	2021-07-29	Method and System for Executable Smart Legal Contract Construction and Execution over Legal Contracts	Yan ZHU; Di WANG; Bohan QIN; Weijing SONG;	
2,289	20210357916	2021-07-29	SYSTEMS AND METHODS FOR BLOCKCHAIN-BASED TRANSACTION SETTLEMENT	Anna Vladi;	
2,290	20220300658	2021-07-28	NON-TRANSITORY COMPUTER READABLE MEDIUM, INFORMATION PROCESSING APPARATUS, AND METHOD FOR INFORMATION PROCESSING	Ryo KUKIMIYA; Masamichi TAKAHASHI; Koki UWATOKO; Ikuro FUJINO; Ryo HASEGAWA;	FUJIFILM BUSINESS INNOVATION CORP.;
2,291	20210358041	2021-07-27	BATCHED AND SECURE STAKE REWARDS CALCULATION	Tyler Spalding; Trevor Filter; Zachary Kilgore;	Flexa Network Inc.;
2,292	20230274271	2021-07-26	DATA MANAGEMENT METHOD, APPARATUS AND SYSTEM BASED ON BLOCKCHAIN	Junjie ZHAO;	
2,293	20230224150	2021-07-26	BIO-LOCKED SEED	Antoaneta SERGUIEVA; Craig WRIGHT;	
2,294	20220035936	2021-07-26	Blockchain-based file storage device and file access authorization system and method	Hsiu-Te LIN;	
2,295	20220029825	2021-07-23	METHOD FOR AUTHENTICATING USER CONTACTLESSLY BASED ON DECENTRALIZED IDENTIFIER USING VERIFIABLE CREDENTIAL AND AUTHENTICATION SUPPORTING SERVER USING THE SAME	Joon UHR; Moon SUH; Joo SONG;	Coinplug, Inc.;
2,296	20230022330	2021-07-22	BLOCKCHAIN-ENABLED STORAGE ARRAY	Owen Crowley; Pawel Wasylyszyn;	EMC IP Holding Company LLC;
2,297	20220027350	2021-07-21	BLOCKCHAIN ENABLED SERVICE PROVIDER SYSTEM	Sanjeev Chaudhry; Rajeev Rawat;	
2,298	20220021662	2021-07-21	OPERATING SYSTEM FOR BLOCKCHAIN IOT DEVICES	Craig Wright; Stephane Savanah;	
2,299	20240039742	2021-07-21	ALERT ACCOUNT	Liuxuan PAN; Chloe TARTAN; Craig WRIGHT;	
2,300	20220021528	2021-07-20	SECURE STORAGE TECHNIQUES UTILIZING CONSORTIUM DISTRIBUTED LEDGERS	Thomas Dawson, III; Edward Pasewicz; Kawal Arora; Sunil Arora;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,301	20220021711	2021-07-20	Security Platform and Method for Efficient Access and Discovery	Jason Marsh; Venkatasubramanian Kodumudi; Tariq Ul Islam; Gordon Ng; William Sutherland, III; Mark Thompson; Christopher Kalian; Zachary Sarver; Thomas Reynolds; Ahamed Jemal; Shawn Porché Morris; Rohan Koduri; Sumit Shah; Hriday Keni; Cameron Skaff;	CGI FEDERAL;
2,302	20230275770	2021-07-19	PSEUDO-RANDOM SELECTION ON THE BLOCKCHAIN	Jack DAVIES; Chloe TARTAN;	
2,303	20230013119	2021-07-19	TAINTED ASSET MARKER MANAGEMENT	Nitin Gaur; Petr Novotny; Timothy Olson; Qi Zhang; Lei Yu;	
2,304	20230015077	2021-07-19	REAL-TIME CARBON FOOTPRINT ESTIMATION	Hyung Kim;	
2,305	20220045863	2021-07-19	TRANSACTION MODE-BASED ELECTRONIC CONTRACT FORENSICS METHOD AND SYSTEM	Jie BAI;	Jiangsu Aowei Holdings Co., Ltd.;
2,306	20220020010	2021-07-19	DECENTRALIZED ELECTRONIC CONTRACT ATTESTATION PLATFORM	Jie BAI;	Jiangsu Aowei Holdings Co., Ltd.;
2,307	20220020008	2021-07-19	Smart Contract-Based Electronic Contract Preservation System	Jie BAI;	Jiangsu Aowei Holdings Co., Ltd.;
2,308	20220020014	2021-07-19	Transaction mode-based electronic contract preservation system	Jie Bai;	
2,309	20220020019	2021-07-19	Smart Contract-Based Electronic Contract Forensics Method and System	Jie Bai;	
2,310	20210367797	2021-07-19	SYSTEMS AND METHODS FOR AN ONLINE MEDIA MARKETPLACE	Edward Corral; Cédric Cobban;	
2,311	20220319670	2021-07-16	Non-face-to-face AI occupational therapy assistance system and operating method using blockchain	Seung CHOUN; Do AHN;	
2,312	20210342427	2021-07-16	ELECTRONIC DEVICE FOR PERFORMING USER AUTHENTICATION AND OPERATION METHOD THEREFOR	Oleksandr Popov; Mykyta Biliavskyi; Artem Popov; Volodymyr Brynza; Andriy Oliynyk;	SAMSUNG ELECTRONICS CO., LTD.;
2,313	20220187998	2021-07-14	DATA STORAGE DEVICE AND METHOD CAPABLE OF CHAINING DATA INTO BLOCKCHAIN	MING-SHENG CHEN;	
2,314	20230014140	2021-07-14	SMART CONTRACT SYSTEM USING ARTIFICIAL INTELLIGENCE	Brian Haney; Archie Chadhury;	
2,315	20230014916	2021-07-14	TECHNOLOGIES FOR AUDITING AND MAINTAINING ACCESS TO PROTECTED DATA	Daniel Dubeau; Lawrence Jones; Samuel Nathan;	
2,316	20230012566	2021-07-13	SUPPLY CHAIN MANAGEMENT USING BLOCKCHAIN AND MACHINE LEARNING FUNCTIONALITIES	Shibi Panikkar; Rohit Gosain; Ajay Maikhuri;	
2,317	20210342838	2021-07-12	SYSTEMS AND METHODS FOR RECEIVING AND DISTRIBUTING CONSIDERATION VIA SMART CONTRACTS ON A BLOCKCHAIN	David HOGGARD; Mel-Rob GELDERMAN;	Tokencard Limited;
2,318	20220303785	2021-07-12	ADAPTIVE 5G SYSTEM	Jeffrey McSchooler; Jennings Orcutt; David Zufall; Christopher William Krasny Ergen; Mark Gomez;	
2,319	20230009023	2021-07-09	INSTALLATION AND AUTHENTICATION OF APPLICATIONS USING BLOCKCHAIN	Michael Angelo; Douglas Grover;	MICRO FOCUS LLC;
2,320	20230011617	2021-07-09	Crowdsourced, Blockchain Computerized System and Method of Developing, Evaluating, and Funding Movies	Mikhael Bassilli;	Play Think LLC;

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#	Pub. No	Filed	Title	Inventors	Assignees
2,321	20220027971	2021-07-09	METHOD FOR INCORPORATING A BLOCKCHAIN IN A MULTI-LEVEL MARKETING SYSTEM	Fred Cooper;	
2,322	20220012729	2021-07-09	System and Method for Managing Accounting and Billing using Blockchain Technology	Xin Hu;	
2,323	20210334794	2021-07-09	RESOLVING A PARAMETER ERROR ASSOCIATED WITH A PRIMARY BLOCKCHAIN	Josh Metnick; George Bousis;	RAISE MARKETPLACE, LLC;
2,324	20210342940	2021-07-09	METHOD, SYSTEM, AND MEDIUM FOR BLOCKCHAIN-ENABLED ATOMIC SETTLEMENT	Adam DOSSA; Nicholas CAFARO; Mudit GUPTA;	
2,325	20220036471	2021-07-08	METHOD AND SYSTEM FOR CONDUCTING AND RECORDING INSURANCE CLAIM TRANSACTIONS USING BLOCKCHAIN	Yuxiang LIU; Kwong YEUNG;	
2,326	20210334906	2021-07-08	BLOCKCHAIN-BASED SERVICE EXECUTION METHOD AND APPARATUS, AND ELECTRONIC DEVICE	Danqing Hu; Shaorong Zhang;	Advanced New Technologies Co., Ltd.;
2,327	20210336769	2021-07-08	DECENTRALIZED COMPUTATION SYSTEM ARCHITECTURE BASED ON NODE SPECIALIZATION	Dietrich SHIRLEY; Fabiano PEREIRA SORIANI; Christopher SCOTT; Layne LAFRANCE;	Dapper Labs Inc.;
2,328	20220006642	2021-07-06	SYSTEM AND METHOD FOR CONTENT STORAGE AND OWNERSHIP VERIFICATION	Michael Maj; Joseph Kelley; Noah Spochart; Chaitanya Maddukuri;	
2,329	20230300191	2021-07-05	CONNECTING TO THE BLOCKCHAIN NETWORK	Chloe TARTAN; Craig WRIGHT;	
2,330	20220006641	2021-07-01	Distribution of Blockchain Validation	Paul Snow;	Inveniam Capital Partners, Inc.;
2,331	20220051503	2021-07-01	APPARATUS AND METHOD FOR PROVIDING AND/OR FOR FACILITATING SECURED AND/OR ON-LINE CAMPAIGNS, ELECTIONS, AND/OR VOTING ACTIVITIES	RAYMOND JOAO;	
2,332	20230239264	2021-06-30	METHODS, ARCHITECTURES, APPARATUSES AND SYSTEMS DIRECTED TO MESSAGING THROUGH BLOCKCHAIN NETWORKS	Chonggang Wang; Xu Li; Paul Russell;	
2,333	20220051238	2021-06-30	METHOD AND APPARATUS FOR VERIFYING COMMODITIES IN BATCHES BASED ON BLOCKCHAIN, AND ELECTRONIC DEVICE	Xueqing ZOU;	Alipay (Hangzhou) Information Technology Co., Ltd.;
2,334	20210326864	2021-06-30	METHODS, BLOCKCHAIN NODES, AND STORAGE MEDIA FOR EXECUTING SMART CONTRACT	Changzheng Wei; Xuepeng Guo; Ying Yan;	ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD.;
2,335	20220069978	2021-06-30	METHOD AND APPARATUS FOR STORING EVIDENCE COLLECTION PROCESS VIDEO SEGMENT	Xinying YANG;	
2,336	20210342849	2021-06-30	INFORMATION SHARING METHODS, APPARATUSES, AND DEVICES	Wenyu Yang; Renhui Yang; Yuan Chen; Xinmin Wang; Feng Qian; Qianting Guo; Shubo Li;	ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD.;
2,337	20230281591	2021-06-29	BLOCKCHAIN BASED TAX MECHANISM	Daniel JOSEPH; Craig WRIGHT;	
2,338	20230237479	2021-06-29	A METHOD FOR BUILDING A BLOCKCHAIN	Lothar SEIDEMANN; Holger Hai Peter JELICH;	
2,339	20220414664	2021-06-29	BLOCKCHAIN ADDRESS RISK ASSESSMENT VIA GRAPH ANALYSIS	Lichao Liu; Michael Jim Tien Chan;	
2,340	20220066896	2021-06-29	METHOD, SYSTEM, AND APPARATUS FOR MONITORING BLOCKCHAIN SMART CONTRACT	Cheng Zhang; Xuepeng Guo; Shikun Tian;	Alipay (Hangzhou) Information Technology Co., Ltd.;

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#	Pub. No	Filed	Title	Inventors	Assignees
2,341	20220038279	2021-06-29	BLOCKCHAIN DATA PROCESSING METHOD, APPARATUS, AND DEVICE	Wenyu Yang; Honglin Qiu; Ying Yan; Shubo Li; Yuan Chen; Hanghang Wu; Renhui Yang; Qin Liu;	Alipay (Hangzhou) Information Technology Co., Ltd.;
2,342	20220019490	2021-06-29	BLOCKCHAIN EVENT PROCESSING METHOD AND APPARATUS	Mingliang YIN;	
2,343	20210326876	2021-06-29	DEDICATED BLOCKCHAIN NODE DEVICES AND BLOCKCHAIN NETWORKS	Changzheng Wei; Ying Yan; Hui Zhang;	ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD.;
2,344	20210329453	2021-06-29	BLOCKCHAIN BASED WIRELESS ACCESS POINT PASSWORD MANAGEMENT	Rick Tipton; Mark Austin; Matt Dugan;	
2,345	20220050887	2021-06-29	BLOCKCHAIN-BASED INFRINGEMENT DETECTION METHOD, APPARATUS, AND ELECTRONIC DEVICE	Zhe HAN;	Alipay (Hangzhou) Information Technology Co., Ltd.;
2,346	20210409216	2021-06-29	SYSTEM AND METHOD FOR PROVIDING CONTROLLED ACCESS TO PERSONAL INFORMATION	Hany FAM;	
2,347	20210326867	2021-06-29	Fork-Tolerant Consensus Protocol	Raghavendra Bhagavatha; Christopher McCoy;	
2,348	20210326871	2021-06-29	RESOURCE TRANSFER METHODS, APPARATUSES, DEVICES, AND SYSTEMS	Rui Zhang;	ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD.;
2,349	20210328773	2021-06-28	TRUSTED STARTUP METHODS AND APPARATUSES OF BLOCKCHAIN INTEGRATED STATION	Changzheng Wei; Peng Wu; Ying Yan; Hui Zhang; Changhua HE; Lei WANG;	ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD.;
2,350	20210328814	2021-06-28	BLOCKCHAIN INTEGRATED STATIONS AND AUTOMATIC BLOCKCHAIN CONSTRUCTION METHODS AND APPARATUSES	Changzheng Wei; Ying Yan; Hui Zhang;	ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD.;
2,351	20230247106	2021-06-28	PROXY METHOD, DEVICE, AND COMPUTER-READABLE STORAGE MEDIUM	Ming ZENG; Dezheng WANG; Haisheng GUO; Yaofeng TU; Qiang ZHANG; Zhizhong ZHOU;	
2,352	20220052855	2021-06-28	BLOCKCHAIN-BASED ELECTRONIC SIGNATURE METHOD AND APPARATUS	Sanyuan HE;	
2,353	20210326300	2021-06-28	BLOCK DATA ARCHIVING METHOD AND RELATED DEVICE	Yulong LUO; Jian DING; Hanlin LI;	
2,354	20210326786	2021-06-28	BLOCKCHAIN-BASED SERVICE PROCESSING METHODS AND APPARATUSES	Shanlu Sun; Ping Dai; Diaolong Tang; Xiao Wu;	ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD.;
2,355	20210327008	2021-06-28	SYSTEMS AND METHODS FOR AUTOMATED WILL CREATION, VERIFICATION OF BENEFICIARIES, AND PASSING ASSETS THROUGH A BORDERLESS FINTECH ECOSYSTEM	Ali Salah;	
2,356	20220036351	2021-06-27	METHOD AND APPARATUS FOR RESOURCE EXCHANGE	Jiankang SUN;	
2,357	20220417030	2021-06-26	Device Authentication using Blockchain	Ananya SHRIVASTAVA; Mohammed SUMAIR; Joydeep DEVNATH; Suyash Kandele; Govardhan Mattela;	Redpine Signals, Inc.;
2,358	20220038292	2021-06-25	METHOD, APPARATUS, AND DEVICE FOR PROCESSING BLOCKCHAIN DATA	Wenyu YANG; Honglin Qiu; Ying Yan; Shubo Li; Yuan Chen; Hanghang Wu; Renhui Yang; Qin Liu;	Alipay (Hangzhou) Information Technology Co., Ltd.;
2,359	20210409226	2021-06-25	REVERSIBLE BLOCKCHAIN TRANSACTION TECHNIQUES	Tal ASA;	Kirobo LTD.;
2,360	20210326327	2021-06-25	Blockchain Based Integrity Checks	George Fortney;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,361	20220035922	2021-06-25	BLOCKCHAIN-BASED DATA PROCESSING METHOD, APPARATUS, AND DEVICE	Wenyu YANG; Honglin QIU; Ying YAN; Shubo LI; Hanghang WU; Yuan CHEN; Renhui YANG; Qin LIU;	Alipay (Hangzhou) Information Technology Co., Ltd.;
2,362	20220036350	2021-06-25	CROSS-BORDER RESOURCE TRANSFER AUTHENTICITY VERIFICATION METHOD, DEVICE AND ELECTRONIC EQUIPMENT	Lingao SUN; Ying PENG;	
2,363	20220038268	2021-06-25	METHOD AND APPARATUS FOR GENERATING DESCRIPTION INFORMATION	Hong ZHANG;	
2,364	20220012681	2021-06-25	MULTI-FACTOR AUTHENTICATION AT POINT OF SALE FOR MULTI-INGREDIENT PRODUCT TRACKING, TRACING, AND AUTHENTICATION	Todd Taylor; Kenneth Staker; Derek Lurth;	
2,365	20210326763	2021-06-25	MODEL PROPAGATION IN EDGE ARCHITECTURES	Francesc Bernat; Karthik Kumar; Thomas Willhalm; Timothy Verrall;	
2,366	20210326886	2021-06-25	BLOCKCHAIN-BASED RESOURCE TRANSACTION METHODS, APPARATUSES, AND SYSTEMS	Diaolong Tang; Shanlu Sun; Xiao Wu; Tiantian Li; Ningning Zhao; Ting Hu; Jin Wu;	ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD.;
2,367	20210319702	2021-06-25	Cryptography-Based Platooning Mechanism for Autonomous Vehicle Fleet Management	Antonino Mondello; Alberto Troia;	
2,368	20210326984	2021-06-24	POWER TRANSACTION DATA STORAGE SYSTEM BASED ON PRIVATE BLOCKCHAIN PLATFORM AND METHOD FOR VERIFYING AND DISTRIBUTEDLY STORING POWER TRANSACTION DATA USING THE SAME	Young KIM; Seung PARK; Il HAN; Eun RYU;	WIZETECHNOLOGY;
2,369	20210319439	2021-06-24	METHODS, BLOCKCHAIN NODES AND STORAGE MEDIA FOR DEPLOYING SMART CONTRACT	Qi Liu;	ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD.;
2,370	20220043920	2021-06-24	BLOCKCHAIN-BASED SECURE FEDERATED LEARNING	Qiong ZHANG; Paparao PALACHARLA; Junichi SUGA; Toru KATAGIRI; Tadashi IKEUCHI; Motoyoshi SEKIYA;	Other;
2,371	20220044162	2021-06-24	BLOCKCHAIN-BASED SECURE FEDERATED LEARNING	Qiong ZHANG; Paparao PALACHARLA; Tadashi IKEUCHI; Motoyoshi SEKIYA; Junichi SUGA; Toru KATAGIRI;	Other;
2,372	20210319456	2021-06-24	METHODS, APPARATUSES, DEVICES, AND SYSTEMS FOR GENERATING CUSTOMS CLEARANCE CONFIRMATION INFORMATION	Lei Huang;	ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD.;
2,373	20220414087	2021-06-23	METHOD AND SYSTEM FOR GENERATING DIGITAL IDENTITY INFORMATION ON BLOCKCHAIN	Christopher McGregor; Travs McGregor; Wolfgang Decker; Carsten Bartsch;	Vesto LLC;
2,374	20220417026	2021-06-23	SECURE EXECUTION ENVIRONMENT FOR APPLICATIONS USING BLOCKCHAIN	Douglas Grover; Michael Angelo; Stephan Jou;	MICRO FOCUS LLC;
2,375	20220417272	2021-06-23	BLOCKCHAIN MALWARE PROTECTION	Douglas Grover; Michael Angelo;	MICRO FOCUS LLC;
2,376	20210319510	2021-06-23	BLOCKCHAIN-BASED SYSTEM FOR PROVIDING MERGERS AND ACQUISITIONS SERVICE, AND OPERATION METHOD THEREFOR	Jong LEE;	GBC KOREA CO., LTD.;
2,377	20220358499	2021-06-22	METHOD AND SYSTEM FOR AUTONOMOUS PORTFOLIO PLATFORM MANAGEMENT	Ankur SAMBHAR;	JPMorgan Chase Bank, N.A.;
2,378	20210314169	2021-06-22	DIGITAL CERTIFICATE INVALIDATION AND VERIFICATION METHOD AND DEVICE	Xiaojian LIU;	
2,379	20230267529	2021-06-21	BLOCKCHAIN-BASED TRANSACTION PROCESSING METHOD, CLIENT, PROCESSING TERMINAL AND SYSTEM	Zhicheng LI;	JINGDONG TECHNOLOGY INFORMATION TECHNOLOGY CO., LTD.; JINGDONG TECHNOLOGY HOLDING CO., LTD.;
2,380	20230269103	2021-06-21	BLOCKCHAIN-BASED USER INFORMATION PROCESSING METHOD AND SYSTEM	Yu BAI;	JINGDONG TECHNOLOGY INFORMATION TECHNOLOGY CO., LTD.; JINGDONG TECHNOLOGY HOLDING CO., LTD.;

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#	Pub. No	Filed	Title	Inventors	Assignees
2,381	20230254156	2021-06-21	APPARATUSES, COMPUTER-IMPLEMENTED METHODS AND COMPUTER PROGRAM PRODUCT FOR GRANTING ACCESS TO A CONTROL FUNCTION ON THE BASIS OF AN OBJECT	Thomas Jetzfellner; Carlos Morra;	
2,382	20220036354	2021-06-21	BLOCKCHAIN-BASED OFFLINE RESOURCE TRANSFER METHOD AND APPARATUS	Hong ZHANG; Qi HUANG;	
2,383	20220036366	2021-06-21	BLOCKCHAIN-BASED METHOD AND APPARATUS FOR MANAGING BIOLOGICAL ASSET OBJECT	Yingqiang WU;	
2,384	20210311929	2021-06-21	CYBER INTELLIGENCE SYSTEM AND METHOD	Jason Swope; Robert Thorman;	AT&T Intellectual Property I, L.P.;
2,385	20210409386	2021-06-20	IoT PCR FOR DISEASE AND VACCINATION DETECTION AND ITS SPREAD MONITORING USING SECURE BLOCKCHAIN DATA PROTOCOL	Tarek Al Sultan;	
2,386	20220179626	2021-06-18	AUTOMATIC SMART CONTRACT ANALYSIS	Peter Kacherginsky;	
2,387	20220103372	2021-06-18	COMMUNICATION APPARATUS AND COMMUNICATION METHOD	Fumihiko KOZAKURA;	FUJITSU LIMITED;
2,388	20220067725	2021-06-18	METHOD AND APPARATUS FOR INVOKING SMART CONTRACT, ELECTRONIC DEVICE, AND STORAGE MEDIUM	Changzheng WEI; Yan LIU; Yongqiang LI;	
2,389	20220360574	2021-06-17	METHOD AND SYSTEM FOR PROVIDING SMART CONTRACT CATALOGUE	Ankur SAMBHAR;	JPMorgan Chase Bank, N.A.;
2,390	20210314164	2021-06-17	BLOCK CONTENT EDITING METHODS AND APPARATUSES	Yuqi Lin; Changzheng Wei; Xuyang Song;	ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD.;
2,391	20220005084	2021-06-16	BLOCKCHAIN ENABLED NUTRITION STATION	James Regenor;	
2,392	20210311770	2021-06-16	METHOD FOR IMPLEMENTING SMART CONTRACT BASED ON BLOCKCHAIN	Wei XIAO;	BAIDU ONLINE NETWORK TECHNOLOGY (BEIJING) CO., LTD.;
2,393	20210314396	2021-06-16	STREAMING CONTENT VIA BLOCKCHAIN TECHNOLOGY	Saswata Basu; Thomas Austin;	
2,394	20210398110	2021-06-16	SALES PLATFORM FOR COLLECTIBLES	Tokhir Tokhtabaev;	
2,395	20210320973	2021-06-16	TRANSFERRING CONTENT VIA PROXY RE-ENCRYPTION	Saswata Basu; Thomas Austin;	
2,396	20210312461	2021-06-16	DATA SHARING METHODS, APPARATUSES, AND DEVICES	Siyuan Lou;	ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD.;
2,397	20230237477	2021-06-15	METHODS AND DEVICES FOR VALIDATING DATA IN A BLOCKCHAIN NETWORK	Steven COUGHLAN; Wei ZHANG;	
2,398	20210390531	2021-06-15	DIAMOND CUSTODY SYSTEM WITH BLOCKCHAIN NON-FUNGIBLE TOKENS (NFTS)	Jacques VOORHEES; Alex VOORHEES;	
2,399	20210391980	2021-06-15	ELECTRONIC DEVICE AND METHOD FOR PACKAGING BLOCKS OF BLOCKCHAIN	SHIAW-HERNG LIU;	
2,400	20210342844	2021-06-15	METHODS, APPARATUSES, AND DEVICES FOR VERIFYING AUTHENTICITY OF CROSS-BORDER TRANSACTIONS	Lei Huang;	ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD.;

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#	Pub. No	Filed	Title	Inventors	Assignees
2,401	20220399988	2021-06-14	LINKING BLOCKCHAIN OPERATIONS	ARTEM BARGER; Nitin Gaur; Yacov Manevich; Christopher Williams;	
2,402	20210302247	2021-06-14	IMPACT INDICATOR	Anthony Fonk; Aldric Lee;	
2,403	20220398601	2021-06-11	System and Method for Verifying Authenticity of Physical Goods	Kristin Anastas; David Snow;	
2,404	20220164467	2021-06-10	DATA QUERY METHOD, SHARED DEVICE, AND QUERY DEVICE OF BLOCKCHAIN SYSTEM	XIN LU; ZE-PENG CAI;	
2,405	20220167066	2021-06-10	SHORT VIDEO COPYRIGHT STORAGE METHOD BASED ON BLOCKCHAIN AND EXPRESSION IDENTIFICATION	Dingguo YU; Yang YANG; Nan CHEN; Yongjiang QIAN;	
2,406	20210350362	2021-06-10	SYSTEM AND METHOD OF USING LOCALIZED BLOCKCHAIN TO ENABLE PAYMENT CARD USE WITHOUT CONNECTIVITY	Galen RAFFERTY; Austin WALTERS; Vincent PHAM; Anh TRUONG; Jeremy GOODSITT;	Capital One Services, LLC;
2,407	20220398572	2021-06-10	SYSTEMS AND METHODS FOR CONTROLLING TRANSFERS OF DIGITAL ASSETS	John Jong-Suk LEE;	Shopify Inc.;
2,408	20210390533	2021-06-10	User-Centric, Blockchain-Based and End-to-End Secure Home IP Camera System	Xinxin Fan; Zhi Zhong; Qi Chai; Dong Guo; Tian Pan;	
2,409	20210383469	2021-06-09	CURRENCY TRADING METHOD BASED ON BLOCKCHAIN AND ELECTRONIC DEVICE	CHIA-HUNG CHOU; SHIAW-HERNG LIU;	
2,410	20210295322	2021-06-08	PAYMENT PROCESSING METHOD FOR BLOCKCHAIN, ELECTRONIC DEVICE AND MEDIUM	Wei XIAO;	BAIDU ONLINE NETWORK TECHNOLOGY (BEIJING) CO., LTD.;
2,411	20230214792	2021-06-08	COMPUTER IMPLEMENTED SYSTEMS AND METHODS	Brendan LEE;	
2,412	20220391860	2021-06-08	Asset Backed Currency	John Barlow; Michael Waters;	
2,413	20220005026	2021-06-07	SYSTEM AND METHOD FOR IMPLEMENTING A MARKET DATA HUB WITH DIGITAL RIGHTS MANAGEMENT	Ilya SLAVIN;	
2,414	20230214830	2021-06-04	BLOCKCHAIN SUPPORTED BANKNOTE	Christoph BOESCH; Florian PETERS; Joerg RUECKRIEMEN; Piotr SZEGVARI;	Bundesdruckerei GmbH;
2,415	20220391864	2021-06-04	Blockchain Lien System for Digital Financial Transactions	Jie Tan;	
2,416	20220391899	2021-06-04	Providing Digital Media with Spatial Audio to the Blockchain	Philip Lyren;	
2,417	20210383464	2021-06-04	ELECTRONIC DEVICE AND METHOD FOR BIDDING QUEUE NUMBER BASED ON BLOCKCHAIN	SHIAW-HERNG LIU;	
2,418	20230231725	2021-06-03	ELECTRONIC DOCUMENT SIGNATURES	Bassem AMMAR; Wei ZHANG; Craig WRIGHT;	
2,419	20220035797	2021-06-03	BLOCK DATA ACCESS METHOD, BLOCK DATA STORAGE METHOD, AND APPARATUSES THEREOF	Zhihui ZHU; Shan YU;	
2,420	20220122072	2021-06-02	SYSTEMS AND METHODS FOR SECURE REDEMPTION OF ELECTRONIC TICKETS USING BLOCKCHAIN PROTOCOLS	Jimmy Kang; Evan Frohlich; Joshua Katz;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,421	20220390254	2021-06-02	AUTOMATED DATA COLLECTION ARCHITECTURE FOR USE IN VEHICLE OPERATIONS	Philip Maeda;	Rydeen North America, Inc.;
2,422	20220029814	2021-06-02	NON-TRANSITORY COMPUTER-READABLE STORAGE MEDIUM, INFORMATION PROCESSING METHOD, AND INFORMATION PROCESSING APPARATUS	Ikuko OTA; Masafumi KOBAYASHI; Hangyu Li; Yasuhiro YOSHIHARA;	FUJITSU LIMITED;
2,423	20210383371	2021-06-01	METHOD OF RECORDING TRANSACTIONS BASED ON BLOCKCHAIN AND ELECTRONIC DEVICE USING THE SAME	LIANG-TE CHIU;	
2,424	20210374695	2021-06-01	SYSTEM AND METHOD FOR MONETIZING ASSETS	Dean Hanisch;	
2,425	20210295342	2021-06-01	BLOCKCHAIN-BASED TRANSACTION METHOD AND APPARATUS, AND REMITTER DEVICE	Wenbin ZHANG; Baoli MA;	
2,426	20220012668	2021-05-31	BLOCKCHAIN BASED WORK AND RESOURCE DATA MANAGEMENT	Klemens KRAUS; Stephan SUTOR; Sigurd DECROOS; Pierre RACZ; Vincent LABRECQUE;	
2,427	20220051261	2021-05-29	PROCESSES AND SYSTEMS OF BLOCKCHAIN WITH VERIFICATION THROUGH A CONSORTIUM OF STAKEHOLDERS	Samuel Vetas;	
2,428	20220121466	2021-05-28	SYSTEM AND METHOD FOR FACILITATING PARTICIPATION IN A BLOCKCHAIN ENVIRONMENT	Marcin Gasperowicz; Nina Wieczorek;	
2,429	20210357390	2021-05-28	SYSTEMS AND METHODS FOR BLOCKCHAIN INTERLINKING AND RELATIONSHIPS	S QUICK; Armand KOLSTER;	Providentia Worldwide, LLC;
2,430	20220173916	2021-05-28	APPARATUS AND METHOD FOR MANAGING HISTORY OF OBJECT OWNER	Seok-Hyun KIM; Geon-Woo KIM; Soo-Hyung KIM; Young-Sam KIM; Jong-Hyouk NOH; Kwan-Tae CHO; Sang-Rae CHO; Young-Seob CHO; Jin-Man CHO; Seung-Hun JIN;	Electronics and Telecommunications Research Institute;
2,431	20220345322	2021-05-27	RESEARCH MANAGING SERVER FOR PERFORMING REALTIME RESEARCH INTERWORKING MULTIPLE NODE UNITS WHICH CONSTITUTE BLOCKCHAIN NETWORK AND THE OPERATING METHOD THEREOF	Giunwoo LEE; Dongkyu JUNG;	Other;
2,432	20210294789	2021-05-26	EXECUTING TRANSACTIONS BASED ON BLOCKCHAIN	Honglin Qiu; Huabing Du;	Advanced New Technologies Co., Ltd.;
2,433	20210374731	2021-05-26	SYSTEMS AND METHODS FOR CONSENSUS-BASED ACCESS CONTROL FOR SMART CONTRACT FUNCTIONS	Peter Kim;	
2,434	20210279372	2021-05-26	FABRIC DETECTING AND RECORDING METHOD AND APPARATUS	LINGLING JIN; TENGFA LUO;	
2,435	20230198961	2021-05-25	ELECTRONIC APPARATUS AND NETWORK OF ELECTRONIC APPARATUS	Hiroshi WATANABE;	
2,436	20210377052	2021-05-25	SOCIAL MEDIA CONTENT MANAGEMENT SYSTEMS	Andrea Brown;	
2,437	20220376899	2021-05-24	USING UNIQUE IMAGE OR PHOTO TO SECURE DATA FOR MOBILE PAYMENT APPLICATIONS AND NETWORKS	Michael Alexander;	
2,438	20220173891	2021-05-24	APPARATUS AND METHOD FOR MANAGING PERSONAL INFORMATION	Seok-Hyun KIM; Young-Seob CHO; Geon-Woo KIM; Soo-Hyung KIM; Young-Sam KIM; Jong-Hyouk NOH; Kwan-Tae CHO; Sang-Rae CHO; Jin-Man CHO; Seung-Hun JIN;	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE;
2,439	20220374823	2021-05-21	TRACKING QUALITATIVE PARAMETERS USING A BLOCKCHAIN PROVENANCE SYSTEM	Emily Moss; Gina Likins; Axel Simon;	
2,440	20220376921	2021-05-21	BLOCKCHAIN AUTHENTICATOR FOR DYNAMIC SPECTRUM SHARING AND BLOCKCHAIN CYBERSECURITY SERVICES	Arturo Maria;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,441	20230325765	2021-05-21	SYSTEM FOR MANAGING STORAGE-STATE DATA AND OWNERSHIP CERTIFICATION OF BY-THE-BARREL LIQUOR	Youzao DAI; Katsuhiko TANAKA;	
2,442	20210351915	2021-05-21	MULTI-BLOCKCHAIN DIGITAL TRANSACTION INFORMATION SEGREGATION SYSTEM	Pankaj Sarin;	
2,443	20230275763	2021-05-19	BLOCKCHAIN CONSOLIDATION WITH ACTIVE ARCHIVING	MICHAEL ANGELO;	MICRO FOCUS LLC;
2,444	20220374418	2021-05-19	BLOCKCHAIN STRUCTURE FOR EFFICIENT SEARCHING	DOUGLAS GROVER; Michael ANGELO;	
2,445	20210365940	2021-05-18	Transaction For Tamper and Quality Evidenced Delivery of Purchase Incented By Donation	Terrance TIETZEN; Matthew Arnold Macpherson BATES; William Letki;	
2,446	20210273810	2021-05-18	Debt Recordation to Blockchains	Zachary Lynde;	Factom, Inc.;
2,447	20230230076	2021-05-17	AGREEMENTS ON THE BLOCKCHAIN	Jack DAVIES; Daniel JOSEPH; Craig WRIGHT;	
2,448	20210326879	2021-05-17	BLOCKCHAIN PROTOCOL AND A BLOCKCHAIN NETWORK	Wenting LI; Ghassan KARAME;	
2,449	20210359840	2021-05-14	MANAGEMENT SYSTEM FOR ASSET DYNAMIC VALUE BASED ON BLOCKCHAIN AND METHOD THEREOF	Chen-Hsuan WANG; Jiann-Min YANG; Scott MIAU;	
2,450	20210274350	2021-05-14	USING A BLOCKCHAIN TO DETERMINE TRUSTWORTHINESS OF MESSAGES WITHIN A TELECOMMUNICATIONS NETWORK FOR A SMART CITY	Ahmad Obaidi;	
2,451	20230316425	2021-05-14	COMPUTER IMPLIMENTED SYSTEM AND METHOD TO CREATE WISDOM NETWORK	SOHAIL MAHAMMAD;	
2,452	20220366407	2021-05-13	METHOD AND SYSTEM FOR PRIVACY ORIENTED PROVENANCE AT THE POINT OF SALE	Robert COLLINS; Steven DAVIS; Rob BYRNE; Peter GROARKE;	MASTERCARD INTERNATIONAL INCORPORATED;
2,453	20210377225	2021-05-13	SYSTEMS, METHODS, AND DEVICES FOR IMPLEMENTING A SMART CONTRACT ON A DISTRIBUTED LEDGER TECHNOLOGY PLATFORM	Mark Smith; Anush Vijayaraghavan; Evan Wagner; Yiqun Yin;	
2,454	20230230052	2021-05-12	GENERATING BLOCKCHAIN ADDRESSES	Jack DAVIES; Chloe TARTAN; Alexander MACKAY; Antoaneta SERGUIEVA; Craig WRIGHT;	
2,455	20230230078	2021-05-12	CUSTOM TRANSACTION SCRIPTS	Jack DAVIES; Chloe TARTAN; Alexander MACKAY; Antoaneta SERGUIEVA; Craig WRIGHT;	
2,456	20230224174	2021-05-12	FILE VERIFICATION SYSTEM AND METHOD	Alessio PAGANI; Craig WRIGHT;	
2,457	20210358581	2021-05-12	SECURED VALIDATION SYSTEM	Bernardo Moreno; Shane Bigelow; Bo Shim; Michael Ornelas; Pengyu Chen; Kevin Steffensen; Branden Russell;	
2,458	20210272669	2021-05-12	THERAPY DATA MANAGEMENT SYSTEM	Kevin Lee; Corydon Hinton; Alexandra Constantin;	
2,459	20230153811	2021-05-11	BLOCKCHAIN-BASED DATA STORAGE METHOD, SYSTEM AND APPARATUS	Hongyu LI; Zuojun SHEN;	
2,460	20210264509	2021-05-11	Blockchain-Based Decentralized Storage System	Ricardo Padilha; Rodney Harrison; Terence Rokop; Michael Edwards;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,461	20220358031	2021-05-10	Blockchain System for Source Code Testing and Script Generation with Artificial Intelligence	Obi Yanamala; Ravi Shandilya; Samson Paulraj; Vinay Jaisinghani; Kumaresan Karuppiah;	
2,462	20210279690	2021-05-10	PATHFINDER	Darrell Thompson, II;	
2,463	20210350459	2021-05-07	Diamond Asset Systems and Methods Facilitating Transactions, Valuation, and Securitization	Timothy Goodman; Nicholas Fisher; Alan Lee;	
2,464	20230120168	2021-05-06	METHOD AND SYSTEM FOR BLOCKCHAIN-BASED MEDICINE-TAKING MANAGEMENT FOR CLINICAL TRIAL SUBJECT	Byeongyeob OH; Byungln Yoon; Jeonil Kang;	CareSquare Inc.; C&R RESEARCH INC.;
2,465	20210255608	2021-05-05	SYSTEM, VERIFICATION MODULE, SERVICE MODULE, AND METHOD FOR SUPPORTING A REMOTE CERTIFICATION SERVICE BASED ON BLOCKCHAIN	Philip KLEEN; Sebastian SCHRIEGEL;	
2,466	20210319436	2021-05-05	AUTONOMOUS EXCHANGE VIA ENTRUSTED LEDGER WALLET ADMINISTRATION TOOL	Benedict Ow; Richard Stiles; Anthony Tan;	Duvon Corporation;
2,467	20230298043	2021-05-04	METHOD AND SYSTEM FOR ENABLING TO STORE GENEALOGICALLY RELATED DATA WITHIN A BLOCKCHAIN NETWORK	Alastair Orchard; Corradino Guerrasio; Andrea Sassetti;	
2,468	20210264387	2021-05-03	SYSTEMS AND METHODS OF IMPLEMENTING BLOCKCHAIN TECHNOLOGY FOR SUBSTANTIATING ELECTRONIC ASSETS	Vladimir Frolov; Damir Gaynanov; Aleksey Romanchuk; Anatoliy Vatolin;	
2,469	20220029831	2021-04-30	DEVICE TO DEVICE AUTHENTICATION METHOD USING BLOCKCHAIN	Sunhee BAEK; Byungjoo LEE; Hyunsik YANG;	LG ELECTRONICS INC.;
2,470	20210256513	2021-04-30	BLOCKCHAIN DATA PROCESSING METHOD, APPARATUS, DEVICE, AND SYSTEM	Xuming Lu; Hushen Wang;	Advanced New Technologies Co., Ltd.;
2,471	20210248131	2021-04-30	METHOD, APPARATUS, AND SYSTEM FOR BLOCKCHAIN CONSENSUS	WEIMING ZHUANG;	
2,472	20210256512	2021-04-30	Provisioning Of Assets Based On Content Usage	Lyazid Mabrouki;	
2,473	20210248605	2021-04-30	CROSS-CHAIN RIGHT USAGE SYSTEMS, METHODS, APPARATUSES, ELECTRONIC DEVICES, AND STORAGE MEDIA	Honglin Qiu;	Advanced New Technologies Co., Ltd.;
2,474	20220351279	2021-04-29	DISPLAYING VIRTUAL DIGITAL OBJECTS GENERATED USING BLOCKCHAIN TECHNOLOGY	Ana Cardenas Gasca; Andrés Monroy-Hernández; Yu Tham;	
2,475	20220351280	2021-04-29	GENERATING VIRTUAL DIGITAL OBJECTS USING BLOCKCHAIN TECHNOLOGY	Ana Cardenas Gasca; Andrés Monroy-Hernández; Yu Tham;	
2,476	20220286845	2021-04-29	Blockchain Secured Polyphonic Radio (PR) Wireless Mesh Networks using Pulse-Based Communications (PBC) Methods and Apparatus	Vincent Vanoss; Faranak Nekoogar; Farid Dowla;	
2,477	20220198500	2021-04-29	METHOD AND TRANSACTION PLATFORM FOR INCENTIVES OF BLOCKCHAIN	Bin WANG;	
2,478	20230179431	2021-04-28	BLOCKCHAIN NETWORK BASED LICENSE MANAGEMENT	Lifei TANG;	ATLAS COPCO INDUSTRIAL TECHNIQUE AB;
2,479	20230281613	2021-04-28	METHOD AND SYSTEM FOR CONDUCTING NON-FIAT CURRENCY TRANSACTIONS IN A CARD INFRASTRUCTURE	Igor' Goldovskij;	
2,480	20220351228	2021-04-28	System and method for generating, supplying and distributing digital assets using network based video games and reward applications.	Robert Alvarez;	Other;

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#	Pub. No	Filed	Title	Inventors	Assignees
2,481	20210342822	2021-04-28	COMPLIANCE BASED DATA TRANSACTION NETWORK	Maria Lau; Kevin Hartig;	
2,482	20230196351	2021-04-27	TRANSACTION TRACING METHOD AND APPARATUS BASED ON BLOCKCHAIN	Xixia Gou;	Jingdong Technology Information Technology Co., Ltd.; Jingdong Technology Holding Co., Ltd.;
2,483	20230186293	2021-04-27	SYSTEM AND METHOD FOR FAST, POST-QUANTUM BLOCKCHAIN CONCENSUS GENERATION AND SMART CONTRACTS EXECUTION	Shlomi DOLEV; Ziyu WANG;	
2,484	20240045853	2021-04-26	BLOCKCHAIN DATA STORAGE METHOD, SYSTEM, DEVICE, AND READABLE STORAGE MEDIUM	Kaizhi LIN; Zhikai CAI; Po HUANG;	
2,485	20230196373	2021-04-23	PROBABILISTIC MEMBERSHIP TEST FOR BLOCKCHAIN TRANSACTION OUTPUTS	Alessio PAGANI; Craig WRIGHT;	
2,486	20230198786	2021-04-23	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR EFFICIENT AND SECURE PROCESSING, ACCESS AND TRANSMISSION OF DATA VIA A BLOCKCHAIN	Craig WRIGHT; Jack DAVIES;	
2,487	20240070704	2021-04-23	Method, System and Apparatus for Money Transaction Based on Blockchain	Lei HAN; Jun YANG; Zhongqiang HE; Luhui GUAN; Shanbao XU;	Beijing Jingdong Tuoxian Technology Co., Ltd.;
2,488	20210334895	2021-04-23	SYSTEM AND METHOD FOR COLLECTING AND STORING ENVIRONMENTAL DATA IN A DIGITAL TRUST MODEL, AND PROCESSING THE DATA USING AN ACCOUNTING INFRASTRUCTURE	Venki KUMAR; Shekar ATMAKUR; Salvatore TERNULLO; Padmini KUMAR;	
2,489	20210243013	2021-04-23	UPDATING A STATE MERKLE TREE	Zhonghao Lu;	Advanced New Technologies Co., Ltd.;
2,490	20210312429	2021-04-22	CROSS-ASSET TRADING WITHIN BLOCKCHAIN NETWORKS	Wenbin Zhang; Hao Lei; Lichun Li; Zhangjie Huang;	Advanced New Technologies Co., Ltd.;
2,491	20210241270	2021-04-22	SYSTEM AND METHOD OF BLOCKCHAIN TRANSACTION VERIFICATION	Alexey Raevsky; Max Lyadvinsky;	
2,492	20210241918	2021-04-22	COMPUTER-IMPLEMENTED SYSTEM AND METHODS FOR PREDICTING THE HEALTH AND THERAPEUTIC BEHAVIOR OF INDIVIDUALS USING ARTIFICIAL INTELLIGENCE, SMART CONTRACTS AND BLOCKCHAIN	John Kutzko; Wayne C A. Wright;	
2,493	20240007857	2021-04-22	METHOD AND SYSTEM FOR SCALING BLOCKCHAINS VIA SECURE CHAIN DIVISION	Sebastien ANDREINA; Giorgia MARSON; Lorenzo ALLUMINIO; Ghassan KARAME;	
2,494	20230199063	2021-04-22	MULTI-LAYER COMMUNICATION NETWORK	Chloe TARTAN; Alexander MACKAY; Craig WRIGHT;	
2,495	20220076273	2021-04-22	SUPPLY CHAIN TRACKING	Michael Cabigon; Jim Seethram; Steven Splinter; Denis Taschuk;	
2,496	20210266167	2021-04-22	Social Aggregating, Fractionally Efficient Transfer Guidance, Conditional Triggered Transaction, Datastructures, Apparatuses, Methods and Systems	Timothy Lohe; Christopher Parsons; Raghav Chawla; Hadley Stern; Thomas McGuire;	
2,497	20210350368	2021-04-21	METHOD AND SYSTEM FOR BLOCKCHAIN INTRUSION PREVENTION	Tung Ling Terry YOUNG; Matthew CHAN; Jason Wai King LAU; Ming Sum Sam NG; King TAM;	
2,498	20210335093	2021-04-21	BLOCKCHAIN SYSTEM FOR MANAGING RESPONSIBLE GAMING DATA	Yizhao ZHU; Xiang WU; Wei HOU; Lixia JI; Guangyu JIN;	IGT;
2,499	20210243010	2021-04-20	Workflow Management Via Distributed Ledgers and Smart Contracts	Jayaraman Ganeshmani; Jacob Creech;	
2,500	20220335543	2021-04-19	SYSTEM AND METHOD FOR EMBEDDING INFORMATION RELATED TO ENERGY INTO A CRYPTO-CURRENCY BLOCKCHAIN	Marc Roston; Terence Spies;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,501	20230315876	2021-04-19	DELEGABLE RIGHT TO PRINT	Sekhar Sirigiri;	
2,502	20230162176	2021-04-16	METHOD FOR IMPLEMENTING A DIGITAL COIN SYSTEM USING A BLOCKCHAIN	Michaella PETTIT; Craig WRIGHT;	
2,503	20230162186	2021-04-16	BLOCK PROPAGATION WITH POISONED TRANSACTIONS IN A BLOCKCHAIN NETWORK	Steven COUGHLAN;	
2,504	20210326326	2021-04-16	PROOF AGGREGATING SYSTEM FOR ASSET MANAGEMENT TRACEABILITY BASED ON BLOCKCHAIN AND METHOD THEREOF	Chen-Hsuan WANG; Jiann-Min YANG; Scott MIAU;	
2,505	20210326905	2021-04-16	SYSTEM AND METHOD FOR PRODUCT AUTHENTICATION USING A BLOCKCHAIN	Daniel McKinnon;	
2,506	20210232558	2021-04-16	DATA ISOLATION IN A BLOCKCHAIN NETWORK	Wenbin Zhang; Chao Shen;	Advanced New Technologies Co., Ltd.;
2,507	20230133756	2021-04-15	SAFE DELIVERY CONTAINER, AND SYSTEM AND METHOD THEREOF	Wassim MERHEBY;	
2,508	20220337423	2021-04-14	BLOCKCHAIN LEDGER-BASED AUTHENTICATION TECHNIQUES FOR REVIEWS	Connor Murray; Dylan Murray;	
2,509	20210319434	2021-04-14	ELECTRONIC DEVICE FOR SENDING CRYPTOCURRENCY TO BLOCKCHAIN ACCOUNT AND METHOD FOR OPERATING THE SAME	Youna LEE; Taejun KIM; Sungjin PARK; Doyeong AN; Seongmin JE;	
2,510	20220335414	2021-04-14	BLOCKCHAIN-BASED PRIVATE REVIEWS	Connor Murray; Dylan Murray;	
2,511	20220329411	2021-04-13	BLOCKCHAIN PROCESSING OFFLOAD TO NETWORK DEVICE	Palanivel Kodeswaran; Sayandeep Sen; Dushyant Behl;	
2,512	20220329436	2021-04-13	TOKEN-BASED IDENTITY VALIDATION VIA BLOCKCHAIN	Nitin Gaur; Sean Dunne; Petr Novotny; Qi Zhang; Lei Yu;	
2,513	20220309490	2021-04-12	GROUP SIGNATURES FOR A SMART WALLET ON A BLOCKCHAIN PLATFORM	Saswata Basu; Siva Dirisala;	
2,514	20220182415	2021-04-12	ENFORCING SECURITY PARAMETERS SPECIFIED BY AN OWNER ON A BLOCKCHAIN PLATFORM	Saswata Basu; Siva Dirisala;	
2,515	20220329595	2021-04-12	SYSTEM AND METHOD FOR SECURE VALUATION AND ACCESS OF DATA STREAMS	Laura Wynter; Desmond Cai; Duc Nguyen; Shiau Lim; Pengqian Yu;	
2,516	20220029807	2021-04-09	BLOCKCHAIN ID CONNECT	Armin EBRAHIMI;	Ping Identity Corporation;
2,517	20210226804	2021-04-09	TAMPERING VERIFICATION SYSTEM AND METHOD FOR FINANCIAL INSTITUTION CERTIFICATES, BASED ON BLOCKCHAIN	Joon UHR; Jay HONG; Joo SONG;	Coinplug, Inc.;
2,518	20230163961	2021-04-08	PUBLIC RANDOM NUMBER GENERATION METHOD AND DEVICE BASED ON BLOCKCHAIN	Bangdao CHEN; Andrew ROSCOE;	
2,519	20230153806	2021-04-08	METHOD AND DEVICE FOR PREVENTING FORKING OF BLOCKCHAIN	Bangdao CHEN; Andrew ROSCOE;	
2,520	20220012806	2021-04-08	ELECTRICITY MARKET TRADING AND EVALUATION METHOD BASED ON WEAK CENTRALIZED CONSORTIUM BLOCKCHAIN	Weifeng Xu; Zhijun Liu; Wei Chen; Bin Yu; Liguo Weng; Hua Fan; Xinglong Feng; Jie Chen; Yaowen Wei; Kailong Huo; Yanghui Zhang;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,521	20210258150	2021-04-08	USING BLOCKCHAIN TO TRACK INFORMATION FOR DEVICES ON A NETWORK	Bernd Moeller;	MyOmega Systems GmbH;
2,522	20220327652	2021-04-08	MULTI-MODAL MOBILITY MANAGEMENT SOLUTIONS FRAMEWORK	Malarvizhi SANKARANARAYANASAMY; Ramyar SAEEDI; Rahul VISHWAKARMA; Prasun SINGH; Ravigopal VENNELAKANTI;	Hitachi, Ltd.;
2,523	20220005057	2021-04-08	CONSUMER DATA AND PRIVACY CONTROLS IN A SOCIAL NETWORKING ENVIRONMENT	Richard Postrel;	
2,524	20230142659	2021-04-07	SYSTEM AND METHOD FOR REGISTERING SHARE OF ASSET OF WHICH OWNER CANNOT BE SPECIFIED OR OWNERSHIP DOES NOT EXIST	Eun SONG;	
2,525	20230144946	2021-04-07	METHOD FOR SPLITTING SHARES AND GENERATING LAND REGISTRATION MAP AND ADDRESS FOR ASSETS OF WHICH OWNER CANNOT BE SPECIFIED OR OWNERSHIP DOES NOT EXIST, AND SYSTEM THEREFOR	Eun SONG; Ja GOO;	
2,526	20210319895	2021-04-07	APPARATUS AND METHOD FOR PROVIDING HEALTHCARE SERVICES REMOTELY OR VIRTUALLY WITH OR USING AN ELECTRONIC HEALTHCARE RECORD AND/OR A COMMUNICATION NETWORK	RAYMOND JOAO;	
2,527	20230177501	2021-04-06	METHODS AND DEVICES FOR DOUBLE-SPEND RELAY IN A BLOCKCHAIN NETWORK	Steven COUGHLAN;	
2,528	20210314172	2021-04-06	VALIDATING INTEGRITY OF PRIVATE KEYS FOR ON A DATA COMMUNICATIONS NETWORK USING BLOCKCHAIN KEY REGISTRY	Alfred Tom; Jörg Brakensiek; Kari Kostiainen;	
2,529	20230169479	2021-04-06	SYSTEM FOR BLOCKCHAIN-BASED SHARE SUBSTANTIAL TRADE FOR OWNER UNSPECIFIED COMMON ASSET AND METHOD THEREFOR	Eun SONG;	
2,530	20220318122	2021-04-05	METHOD AND SYSTEM FOR BLOCKCHAIN PERFORMANCE TESTING	Keith HUGHES; Thomas TREITLINGER;	MASTERCARD INTERNATIONAL INCORPORATED;
2,531	20230237476	2021-04-02	ELECTRONIC WALLET, SERVER FOR EXECUTING THE SAME, AND METHOD FOR ATOMIC EXCHANGE OF BLOCKCHAIN TOKENS USING THE SERVER	Seok YUN;	SOVEREIGN WALLET CO., LTD.;
2,532	20220318757	2021-04-02	SYSTEM FOR VERIFYING EDUCATION AND EMPLOYMENT OF A CANDIDATE VIA A BLOCKCHAIN NETWORK	Zain Zaidi; Emaan Zaidi; Ali Zaheer; Najaf Hashim; Masooma Batool; Taufiq Saleem;	Transcrypt Solutions Inc.;
2,533	20220164452	2021-04-02	SOFTWARE PIPELINE AND RELEASE VALIDATION	Yoav Landman;	
2,534	20230168837	2021-04-01	INFORMATION PROCESSING SYSTEM	Makoto HORIUCHI;	Maruichi Warehouse Co., Ltd.;
2,535	20220318779	2021-04-01	Secure Off-Line Transactions Through Broadcast Encryption	Luis Bathen; Eric Butler; Marc Coq; Cedric Cook; Akil Sutton;	
2,536	20210357870	2021-03-31	DISTRIBUTED LEDGER AND BLOCKCHAIN TECHNOLOGY-BASED RECRUITMENT, JOB SEARCHING AND/OR PROJECT SEARCHING, SCHEDULING, AND/OR ASSET TRACKING AND/OR MONITORING, APPARATUS AND METHOD	RAYMOND JOAO;	
2,537	20210217004	2021-03-31	DATA PROCESSING METHOD, APPARATUS, DEVICE, AND MEDIUM IN BLOCKCHAIN FUND SETTLEMENT SYSTEM	Yi Cai; Jian Zhang; Zi Tang; Jun Zang; Qing Qin; Chen Yang; Jin Chen; Zi Zhang; Shuai Zhang;	TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED;
2,538	20220318209	2021-03-31	COMPUTER MECHANISM FOR ANALYTICS OUTCOME TRANSPARENCY	Corville Allen; Pratul Gupta; Francisco Curbera; Richard Scott;	
2,539	20220029801	2021-03-31	MASTER KEY ESCROW PROCESS	Arun Velagapalli; Nitin Mahendru; Arthur Britto; David Schwartz; Kimon Papahadjopoulos;	
2,540	20210213148	2021-03-31	Medical Device Inspection and Sterilization	Lawrence Gerrans; Kaan Erol; Oscar Pantoja;	Sanovas Intellectual Property, LLC;

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#	Pub. No	Filed	Title	Inventors	Assignees
2,541	20220318270	2021-03-30	ARTIFICIAL INTELLIGENCE (AI)-BASED BLOCKCHAIN MANAGEMENT	Jigesh Safary; Krishna Mamadapur;	
2,542	20220318648	2021-03-30	ARTIFICIAL INTELLIGENCE (AI)-BASED BLOCKCHAIN MANAGEMENT	Jigesh Safary; Krishna Mamadapur;	
2,543	20210217007	2021-03-30	DISTRIBUTED LEDGER FOR ENCRYPTED DIGITAL IDENTITY	Anand Menon;	
2,544	20210217098	2021-03-30	BLOCKCHAIN-BASED MESSAGE SERVICES FOR TIME-SENSITIVE EVENTS	Hui Fang;	Alipay Labs (Singapore) Pte. Ltd.;
2,545	20210217100	2021-03-30	STORAGE MANAGEMENT BASED ON MESSAGE FEEDBACK	Hui Fang;	ALIPAY LABS (SINGAPORE) PTE. LTD.;
2,546	20220311611	2021-03-29	REPUTATION PROFILE PROPAGATION ON BLOCKCHAIN NETWORKS	Nitin Gaur; Elezaveta Koumpan; Marshall Lamb; Scott Gerard;	
2,547	20230130191	2021-03-29	Method and device for authenticating a user with an application	Emmanuel Bertin; Julien Hatin;	
2,548	20210304191	2021-03-29	SYSTEM AND METHOD FOR INTEGRATION AND VALIDATION	Patrick O'Grady;	
2,549	20210304331	2021-03-27	SECURE ENCRYPTED BLOCKCHAIN FOR THE RESOURCE AND REAL ESTATE INDUSTRIES	Timothy Costello;	
2,550	20210303195	2021-03-26	ENABLING ERASURE OF SENSITIVE INFORMATION IN A BLOCKCHAIN	Silvio Micali;	
2,551	20210287212	2021-03-26	DATABASE SYSTEM FOR A SOCIAL NETWORK USING BLOCKCHAIN TECHNOLOGY	Wolfgang PINEGGER;	
2,552	20210304193	2021-03-25	METHODS AND SYSTEMS FOR PROVIDING A DIGITAL CURRENCY PAYMENT AND WALLET SOLUTION WITH HYBRID BLOCKCHAIN DESIGN	Carmelle Perpetuelle Maritza Racine Cadet;	
2,553	20210304196	2021-03-25	SYSTEM AND METHOD FOR DIGITAL FASHION ASSET MANAGEMENT THROUGH BLOCKCHAIN	Casmir PATTERSON;	
2,554	20220311603	2021-03-25	QUANTUM KEY DISTRIBUTION IN A MULTI-CLOUD ENVIRONMENT	Grzegorz Szczepanik; Kushal Patel; Lukasz Palus; Sarvesh Patel;	
2,555	20220311595	2021-03-24	REDUCING TRANSACTION ABORTS IN EXECUTE-ORDER-VALIDATE BLOCKCHAIN MODELS	Marko Vukolic; Angelo De Caro; Alessandro Sorniotti; Senthilnathan Natarajan; ARTEM BARGER; Yacov Manevich;	
2,556	20210390519	2021-03-24	STORAGE MEDIUM, DETECTION METHOD, AND DETECTION DEVICE	Tsuyoshi TANIGUCHI;	FUJITSU LIMITED;
2,557	20230080517	2021-03-23	METHOD AND APPARATUS FOR RELAYING EMERGENCY RELATED DATA USING BLOCKCHAIN	Ki-Dong LEE;	
2,558	20230162309	2021-03-23	TRAFFIC ACCIDENT HANDLING METHOD AND DEVICE, AND STORAGE MEDIUM	Wenfeng YANG; Wenming ZHE; Jianqiang YU;	
2,559	20220300904	2021-03-22	GLUE-CONTRACTS FOR DIGITAL COROLLARIES IN BLOCKCHAIN NETWORKS	Nitin Gaur; Sarbajit Rakshit; Yacov Manevich; Petr Novotny;	
2,560	20220303116	2021-03-22	Proof of Eligibility Consensus for the Blockchain Network	Johnson MANUEL-DEVADOSS;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,561	20210209595	2021-03-22	BLOCKCHAIN TRANSFER PROCESSING METHOD AND APPARATUS, DEVICE, AND MEDIUM	Wei XIAO;	
2,562	20210211302	2021-03-22	BLOCKCHAIN OPERATION METHOD AND APPARATUS, DEVICE AND STORAGE MEDIUM	Bo JING;	
2,563	20230016032	2021-03-22	SYSTEM FOR BLOCKCHAIN-BASED VIRTUAL CURRENCY MEDIATION AND DISTRIBUTION, ACCORDING TO POINT RETURN	Seung LEE;	
2,564	20210209091	2021-03-22	Blockchain-Based Data Processing Method and Apparatus, Device, and Storage Medium	Bo JING;	Beijing Baidu Netcom Science and Technology Co., Ltd.;
2,565	20210295279	2021-03-19	METHOD AND SYSTEM TO MANAGE DISPUTE RESOLUTION VIA DIGITAL ASSET NETWORK	Sarala BURADAGUNTA; Rakesh YADAV;	MASTERCARD INTERNATIONAL INCORPORATED;
2,566	20240153332	2021-03-19	VOTING SYSTEM AND VOTING METHOD	Yoshiyuki ETOU; Wataru ITONAGA; Daisuke MATSUDA; Ryo FURUKAWA;	NEC Corporation;
2,567	20230214832	2021-03-18	INTEGRATION OF BLOCKCHAIN TRANSACTIONS WITH OFF-CHAIN PROCESSING	Steven HU; Frederick Lok Fai KWAN; Ka NG; Wing-wai LEE; Craig RAMSAY; Lei SUN;	
2,568	20210201311	2021-03-17	METHOD FOR OPERATING ELECTRONIC DEVICE, APPARATUS AND STORAGE MEDIUM THEREOF	Rui GUO; Yige CAI; Maocai LI; Qing QIN; Jianjun ZHANG; Zichao TANG; Qingzheng SHANG; Chen YANG; Shuai ZHANG; Kuangdi BAO; Chengbo WEN; Yemao WANG; Jianming YANG;	Tencent Technology (Shenzhen) Company Limited;
2,569	20210256070	2021-03-16	NON-FUNGIBLE TOKEN (NFT)	Bao Tran; Ha Tran;	
2,570	20220016529	2021-03-15	COMPUTER SYSTEM AND METHOD FOR MORE EFFICIENTLY STORING, ISSUING, AND TRANSACTING TOKENIZED BLOCKCHAIN GAME ASSETS MANAGED BY A SMART CONTRACT	Ariel MEILICH; Thor ALEXANDER; Hugo ARREGUI;	Big Time Studios Ltd.;
2,571	20210217002	2021-03-15	BLOCKCHAIN CONTENT PURCHASING PROTOCOL	Saswata Basu; Thomas Austin;	
2,572	20220292617	2021-03-15	Blockchain-Enabled Advanced Shipment Notice For Additive Manufacturing Supply Chain	Matthew Cassoli; Pramita Mitra; Spencer White; Josh Fodale; Evan Squires;	Ford Global Technologies, LLC;
2,573	20210256510	2021-03-15	COMPUTER IMPLEMENTED METHOD FOR PROCESSING A FINANCIAL TRANSACTION AND A SYSTEM THEREFOR	Nick Armstrong; Ben Buckingham; Daniel Friedman; Elliot Shepherd; Eric Knight;	
2,574	20220035808	2021-03-12	BLOCKCHAIN SYSTEM COMPRISING CONSENSUS PROTOCOL USING SEARCH FOR GOOD APPROXIMATE SOLUTIONS TO ANY OPTIMIZATION PROBLEM AND ITS COMPUTOR PROGRAM	Naoki SHIBATA;	
2,575	20210201315	2021-03-11	BLOCKCHAIN BASED ACCOUNT ACTIVATION	Jacob Alt; Eric Bellas; Jaime Skaggs; Shawn Call; Melinda Magerkurth; Vicki King; Charles Roscow; Scott Shoop; Greg Hayes; Robert Alpine Jennings; Amber Nelson-Wolfe; Shyam Tummala;	
2,576	20210397655	2021-03-11	SECURE HIERARCHICAL PROCESSING USING A SECURE LEDGER	Wenbing Zhao;	
2,577	20210201336	2021-03-11	APPARATUS AND METHOD FOR MANAGING BRANDED DIGITAL ITEMS	Jeffrey Mallett; Christian Ferri;	
2,578	20230291561	2021-03-09	BLOCKCHAIN TOKENS	Stanislav (Stas) TROCK;	TAAL DIT GMBH; TAAL DIT GMBH;
2,579	20210287117	2021-03-09	BLOCKCHAIN IMPLEMENTED DISTRIBUTED PROCESSING OF ARTIFICIAL INTELLIGENCE FOR DATA ANALYSIS	Shahram Dastmalchi; Rodd Dastmalchi; Anthony LaRocca;	
2,580	20210192474	2021-03-09	SEMI-PRIVATE BLOCKCHAIN VIRTUAL CURRENCY EXCHANGE SYSTEMS	Michael Mossoba; Joshua Edwards;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
2,581	20220292543	2021-03-09	POP-UP RETIAL FRANCHISING AND COMPLEX ECONMIC SYSTEM	Alexandra Henderson;	Other;
2,582	20210280306	2021-03-09	METHODS FOR MANAGING HEALTH CARE INFORMATION	Brandon Fairless; Christopher Cutter; Zachary Linquist; Daniel Capri; Jon Bishop;	
2,583	20230155987	2021-03-08	BLOCKCHAIN NETWORK SYSTEM	Ryoichi SHINKUMA;	Kyoto University;
2,584	20210192615	2021-03-08	ELECTRONIC MORTGAGE BROKERING AND MONITORING	Ruth Hatherley; Jonathan Macdonald;	
2,585	20210279727	2021-03-07	Verifiably Unique Transfer of Exclusive Control of Data Units	Ahto BULDAS; Mart SAAREPERA; Michael GAULT;	Guardtime SA;
2,586	20220284419	2021-03-05	SYSTEMS AND METHODS FOR AUTOMATIC ASSET TRANSFER USING SMART CONTRACTS	Evan Tedesco; Christopher Ergen;	
2,587	20210282009	2021-03-04	INTEGRITY FOR MOBILE NETWORK DATA STORAGE	Sandeep KRISHNAMURTHY;	
2,588	20230351370	2021-03-03	ELECTRONIC WALLET AND METHOD FOR ATOMIC SWAPPING OF TWO DIFFERENT BLOCKCHAIN TOKENS BY USING ELECTRONIC WALLET	Seok YUN;	SOVEREIGN WALLET CO., LTD.;
2,589	20210192512	2021-03-03	METHOD AND APPARATUS FOR STORING AND OBTAINING MERCHANT AUTHENTICATION DATA IN BLOCKCHAIN NETWORK	Huizi CHE;	
2,590	20230342762	2021-03-03	UPDATING DIGITAL ASSETS TRANSACTIONS IN ISOLATED DEVICES	Shahar SHAMAI; Lior LAMESH;	GK8 LTD;
2,591	20230334608	2021-03-03	INTEGRATED METHODS AND TECHNOLOGIES TO TRACK AND CERTIFY THE SKILLS AND SMART WORKING OF THE WORKERS AND MULTIPLY WELFARE SERVICES WITH A LOGIC OF SHARING ECONOMY	Luca SANSONE; Giampiero ZITO;	
2,592	20210274895	2021-03-03	SILICONE RING	SHANNA HACKEL;	
2,593	20220284008	2021-03-02	METHOD AND SYSTEM OF IMPLEMENTING PARTITIONED BLOCKCHAIN	Thomas TREITLINGER;	MASTERCARD INTERNATIONAL INCORPORATED;
2,594	20220284486	2021-03-02	COMMERCE DRIVEN FEEDBACK MECHANISM FOR CONSUMER PRODUCTS	H Bissex; Zachary Goodman; Michael Bender; Jeremy Fox; Sarbajit Rakshit;	
2,595	20220058456	2021-03-02	Injection Vial and Injection Vial Management System	Yen-Yi Ho;	
2,596	20210281921	2021-03-02	MEDIA PROGRAM VIEWERSHIP MEASUREMENT USING BLOCKCHAINS	Sudeepta Bhuyan;	
2,597	20210272106	2021-03-02	Universal Payment Messaging Using Public Blockchains and Identity Platform	Marshall Hayner; Glenn Marïen;	Metallicus Inc.;
2,598	20210273812	2021-03-02	DATA SYSTEM WITH INFORMATION PROVENANCE	Taylor Hardin; David Kotz;	
2,599	20210182861	2021-03-02	METHOD AND SYSTEM FOR FRAUD CONTROL OF BLOCKCHAIN-BASED TRANSACTIONS	Steven DAVIS;	MASTERCARD INTERNATIONAL INCORPORATED;
2,600	20210256473	2021-03-01	METHOD FOR LICENSING PROPRIETARY RIGHTS USING A BLOCKCHAIN	Timothy Londergan; Nicholas Gibson; Nobuhito Koya; Christopher Wiklof;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,601	20210192516	2021-03-01	BLOCKCHAIN ARCHITECTURE, SYSTEM, METHOD AND DEVICE FOR AUTOMATED CYBERSECURITY AND DATA PRIVACY LAW COMPLIANCE WITH A STREAMLINED BLOCK STRUCTURE	H DeRosa-Grund;	
2,602	20210279797	2021-03-01	SYSTEM AND METHOD OF PATENT TOKENIZATION	Erich Spangenberg;	
2,603	20210273782	2021-03-01	SYSTEM AND METHOD FOR GENERATING AN OMNI-CHANNEL SUPPORT PLATFORM	Mounika KALIDINDI; Banish BANSAL; Harikrishna WARRIER; S U M Prasad DHANYAMRAJU;	HCL TECHNOLOGIES LIMITED;
2,604	20220169401	2021-02-28	SMART CITY SMART DRONE UASS/UAV/VTOL SMART MAILBOX LANDING PAD	Michele Di Cosola;	
2,605	20210272104	2021-02-27	CloudChain, A permissionedless high speed blockchain platform	Rao Dronamraju; Rahul Dronamraju;	
2,606	20220276996	2021-02-27	ASSESSMENT NODE AND TOKEN ASSESSMENT CONTAINER	Nitin Gaur; Artem Barger; Yacov Manevich; Christopher Williams;	
2,607	20210180986	2021-02-27	SYSTEMS AND METHOD FOR MAPPING AND REFERENCING PHYSICAL GEOGRAPHIC ADDRESSES TO A DYNAMICALLY LINKED IDENTIFIER	Sohail Alavi;	
2,608	20240020109	2021-02-26	METHOD AND SYSTEM FOR SUPPORTING SMART CONTRACTS IN A BLOCKCHAIN NETWORK	Jens-rene GIESEN; Michael RODLER; Lucas DAVI; Sebastien ANDREINA; Ghassan KARAME;	
2,609	20210266170	2021-02-26	System and method of trustless confidential positive identification and de-anonymization of data using blockchain	Antonio Rossi;	
2,610	20210185091	2021-02-26	Advanced Security System for Implementation in an Internet of Things (IOT) Blockchain Network	Daniel Cage; Padmakar Kankipati; Norman Silverman;	
2,611	20230059130	2021-02-26	METHOD AND DEVICE FOR GENERATING RANDOM NUMBERS	Jerry CHAN;	
2,612	20220277380	2021-02-26	COOPERATIVE SUPPLY AND DISTRIBUTION CHAIN PROCESSING	David Olds;	
2,613	20210398095	2021-02-26	APPARATUS AND METHOD FOR MANAGING BRANDED DIGITAL ITEMS	Jeffery Mallett; Christian Ferri;	
2,614	20210374112	2021-02-26	MIGRATION SUPPORT SYSTEM, MIGRATION SUPPORT METHOD, AND NODE	Takayuki NAGAI; Yoji OZAWA; Nao NISHIJIMA;	Hitachi, Ltd.;
2,615	20210182836	2021-02-26	TRACING CRYPTOCURRENCIES	Gidon BAR ZAKAY;	
2,616	20220269660	2021-02-25	BLOCKCHAIN BASED PROTECTION FROM DATA MANIPULATION HISTORY IN RELATIONAL DATABASES	Nathalie Goldstein; Joachim Niederreiter; DeGuang Sea; Markus Finster;	
2,617	20210351938	2021-02-25	METHOD AND APPARATUS FOR SHARING DATA BASED ON BLOCKCHAIN NETWORK, DEVICE, AND MEDIUM	Wei FAN; Yucao WANG; Yanan YU;	
2,618	20210184836	2021-02-25	PROVIDING DATA AUTHORIZATION BASED ON BLOCKCHAIN	Changzheng Wei; Ying Yan; Hui Zhang; Yujun Peng;	Advanced Technologies Co., LTd.;
2,619	20220189172	2021-02-25	METHOD AND SYSTEM FOR WHOLE-PROCESS TRACE LEAVING OF VIDEO MANUSCRIPT GATHERING, EDITING, AND CHECK	Qiang HAN; Bin LI; Jinzeng YANG; Wenwen ZHOU; Ziyang ZHANG; Guangqing LI;	SHANDONG SHUNNET MEDIA CO., LTD.;
2,620	20220272085	2021-02-24	BLOCKCHAIN NETWORK IDENTITY MANAGEMENT USING SSI	Petr Novotny; Venkatraman Ramakrishna; Chander Govindarajan; Dushyant Behl; Bishakh Ghosh; Nitin Gaur;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,621	20220270079	2021-02-23	COGNATION OF A DIGITAL COROLLARY IN A BLOCKCHAIN NETWORK	Sarbajit Rakshit; Petr Novotny; Nitin Gaur; Yacov Manevich;	
2,622	20210264415	2021-02-23	METHOD FOR PROCESSING TRANSACTION IN BLOCKCHAIN AND DEVICE	Yucao WANG; Wei XIAO;	BAIDU ONLINE NETWORK TECHNOLOGY (BEIJING) CO., LTD.;
2,623	20230344813	2021-02-22	METHOD AND SYSTEM FOR SECURING ASSET DATA IN A COMPUTING ENVIRONMENT	Shiva Ashish Thumparthy; Thomas Hubauer; Janaki Joshi; Naveen Kumar;	
2,624	20220269754	2021-02-22	DECENTRALIZED SYSTEM AND METHOD FOR ASSET REGISTRY AND AUTHENTICATION	Roberto Cardo Sanchez; Ismael Dominguez Garcia;	
2,625	20230084490	2021-02-19	METHODS, DATA STRUCTURES, AND SYSTEMS FOR ORDERED DATA LOGGING	Andrew MEE; Ricky RAND; Jack DAVIES;	
2,626	20220270087	2021-02-19	ASSET TRADING SYSTEM ENABLING TRANSPARENT TRADING HISTORY MANAGEMENT	Hyung KIM; Kang KIM;	
2,627	20210239492	2021-02-18	SERVER, VEHICLE, DISTRIBUTED TRANSACTION VERIFICATION SYSTEM, AND DISTRIBUTED TRANSACTION VERIFICATION METHOD	Takanao YANO; Nobuhiro FUKUDA; Makoto HINATA; Norihiko KOBAYASHI;	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.;
2,628	20210176354	2021-02-18	DECENTRALIZED AUTOMATIC PHONE FRAUD RISK MANAGEMENT	Wenqiang ZHAO; Yanpeng LI; Boyan JIA;	
2,629	20230177214	2021-02-17	Method and device for controlling access to a function of an application registered in a blockchain	Emmanuel Bertin; Julien Hatin; Baptiste Hemery;	
2,630	20210342803	2021-02-17	METHOD AND APPARATUS FOR USING A SERVICE THROUGH BLOCKCHAIN SYSTEM	Tae Yoo;	
2,631	20230119035	2021-02-17	PLATFORM SERVICES VERIFICATION	Andrew MEE;	
2,632	20210263912	2021-02-17	METHOD FOR DATA PROCESSING BASED ON SMART CONTRACT AND DEVICE	Junyi SUN; Yucao WANG; Wei XIAO;	BAIDU ONLINE NETWORK TECHNOLOGY (BEIJING) CO., LTD.;
2,633	20230131803	2021-02-16	Method and Arrangement for Exchanging a Domain Registrar for Authenticating and Configuring Digital Certificates	Oskar Camenzind;	Siemens Schweiz AG;
2,634	20210366004	2021-02-16	MONEY MANAGEMENT SYSTEM, MONEY MANAGEMENT METHOD, DONATION MANAGEMENT SYSTEM, DONATION MANAGEMENT METHOD AND PROGRAM	Takamasa KAWASAKI;	
2,635	20230095965	2021-02-15	COMPUTE SERVICES FOR A PLATFORM OF SERVICES ASSOCIATED WITH A BLOCKCHAIN	Andrew MEE;	
2,636	20230082545	2021-02-15	EVENT STREAMS FOR A SEQUENCE OF EVENTS ASSOCIATED WITH A BLOCKCHAIN	Andrew MEE;	
2,637	20210166233	2021-02-15	BLOCKCHAIN BASED ACCOUNT FUNDING AND DISTRIBUTION	Jacob Alt; Eric Bellas; Jaime Skaggs; Shawn Call; Melinda Magerkurth; Vicki King; Charles Roscow; Scott Shoop; Greg Hayes; Robert Jennings; Amber Nelson-Wolfe; Shyam Tummala;	
2,638	20230093411	2021-02-15	SYNCHRONISING EVENT STREAMS	Andrew MEE; Ricky RAND;	
2,639	20210350366	2021-02-15	APPLICATION QUEUE API WITH DATABASE OF VIRTUAL QUEUES FOR REAL-TIME PROCESSING DISTRIBUTED LEDGER SYSTEM	RAJEEV GUPTA;	
2,640	20210258144	2021-02-15	SYSTEMS AND METHODS FOR MARKING AND AUTHENTICATING SCARCE ITEMS	Nelson MINIER;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,641	20230125507	2021-02-12	BLOCKCHAIN TRANSACTION DOUBLE SPEND PROOF	Chloe TARTAN; Alexander MACKAY; Craig WRIGHT;	
2,642	20230127516	2021-02-12	REVOKING ACCESS TO A NETWORK	Chloe TARTAN; Alexander MACKAY; Craig WRIGHT;	
2,643	20210248671	2021-02-11	METHOD AND APPARATUS FOR MANAGING MEASUREMENT DEVICE BASED ON BLOCKCHAIN	JianQiang YANG; GuoJun XIE;	
2,644	20210249124	2021-02-11	Blockchain-Based Technologies for Medical Device Ecosystem	Benjamin Joseph; Bryce Isch; Seth Nash; Lindsey Tomer;	
2,645	20230052572	2021-02-10	DATA MANAGEMENT SYSTEM	Shinichi SUGIURA; Nobuyuki NAKAHARA; Mika ASANO;	SYSNA, Inc.;
2,646	20230045756	2021-02-10	METHOD FOR TRACKING AND MANAGING A POWER SUPPLYING DEVICE VIA A BLOCKCHAIN-BASED SYSTEM	Yuen Hung;	
2,647	20220253844	2021-02-10	BLOCKCHAIN-BASED TRANSACTIONS OF DIGITAL CONTENT	Bhumit Patel; Jonathan Chang; Wasib Khallil; Iftekhar Alam;	AT&T Intellectual Property I, L.P.; AT&T Mobility II LLC;
2,648	20210248616	2021-02-10	VALUE WARRANTY DATA VALIDATION AND ENCRYPTION SYSTEM	Robert Foster;	Verso, Inc.;
2,649	20210243036	2021-02-08	BLOCKCHAIN NETWORK COMMUNICATION MANAGEMENT	Jordan Martin; Justin Martin;	
2,650	20210158301	2021-02-08	SYSTEMS AND METHODS FOR MESSAGE TRANSMISSION AND RETRIEVAL USING BLOCKCHAIN	Mahender Adluri;	
2,651	20220253866	2021-02-08	SYSTEMS AND METHODS FOR MONITORING SERVICES USING SMART CONTRACTS	Evan Tedesco; Christopher Ergen; Garo Petrosyan;	
2,652	20210248653	2021-02-08	AUTHENTICATION OF PRODUCTS	Addison McKenzie; Yonathan Lapchik; Garrett Lee;	
2,653	20210166203	2021-02-08	SYSTEM AND PROCESS FOR TOKENIZATION OF DIGITAL MEDIA	Shannon Code; Sean Dennis; Gregory Simon;	
2,654	20210166327	2021-02-08	SMART CONTRACTS FOR VEHICLE EVENTS	William Leise; Jacob Alt; Jaime Skaggs; Eric Bellas; Shawn Call; Eric Moore; Melinda Magerkurth; Vicki King;	
2,655	20210248598	2021-02-05	GENERATING EMOJI SEQUENCE IDENTIFICATIONS TO IDENTIFY WALLET ADDRESSES FOR BLOCKCHAIN WALLETS	Naveen JAIN; Riccardo SPAGNI;	Emoji ID, LLC;
2,656	20220255928	2021-02-05	SYSTEMS AND METHODS FOR DEVICE LOCATION VERIFICATION	Evan Tedesco; Christopher Ergen;	
2,657	20210182899	2021-02-05	CREDIT DATA MANAGEMENT METHOD AND APPARATUS, NODE DEVICE, USER EQUIPMENT, STORAGE MEDIUM, AND SYSTEM	Bo ZHENG; Qian CHEN; Peixuan CHEN;	
2,658	20230088625	2021-02-04	OPERATION METHOD OF BLOCKCHAIN REMITTANCE SERVICE SYSTEM, AND ELECTRONIC WALLET FOR REMITTANCE	Seok YUN;	SOVEREIGN WALLET CO., LTD.;
2,659	20230291585	2021-02-04	METHOD OF GENERATING A PUBLIC KEY	Craig WRIGHT; Owen VAUGHAN; Michaella PETTIT;	
2,660	20230134619	2021-02-04	METHOD OF GENERATING A HASH-BASED MESSAGE AUTHENTICATION CODE	Craig WRIGHT; Owen VAUGHAN; Michaella PETTIT;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,661	20230068694	2021-02-03	Method and System for Planning and Monitoring the Progress of Construction Projects	Federico Furlani;	
2,662	20240106837	2021-02-03	JOURNEY VALIDATION TOOL	Stewart BOUTCHER; Michael TOWNEND; Nigel BRIDGES;	BEACONSOFT LIMITED;
2,663	20210248573	2021-02-01	ELECTRONIC DEVICE AND METHOD FOR CONTROLLING A FUNCTION OF AN ELECTRONIC DEVICE	Thomas POEPPELMANN;	
2,664	20210152369	2021-01-30	BLOCKCHAIN SMART CONTRACT-BASED SIGNATURE VERIFICATION METHODS AND SYSTEMS	Guilu Xie; Zhiyuan Zhou;	Advanced New Technologies Co., Ltd.;
2,665	20210157799	2021-01-29	BLOCKCHAIN SMART CONTRACT-BASED ENCODING/DECODING METHODS AND SYSTEMS	Guilu Xie;	Advanced New Technologies Co., Ltd.;
2,666	20210158340	2021-01-29	METHODS AND APPARATUSES FOR CONCEALING TRANSACTION WRITTEN TO BLOCKCHAIN	Xinying Yang;	Advanced New Technologies Co., Ltd.;
2,667	20210158353	2021-01-29	METHODS, SYSTEMS, APPARATUSES, AND DEVICES FOR PROCESSING REQUEST IN CONSORTIUM BLOCKCHAIN	Xinying Yang;	Advanced New Technologies Co., Ltd.;
2,668	20210152363	2021-01-29	BLOCKCHAIN RECORDING METHODS AND APPARATUSES, AND COMPUTER DEVICES	Hailong Li; Zhenyu Zhang; Xueqing Yang;	Advanced New Technologies Co., Ltd.;
2,669	20240202291	2021-01-29	METHOD AND SYSTEM FOR STORING AND VERIFYING WEB PAGES BY USING A BLOCKCHAIN NETWORK	SUKMIN BAE;	AIDB CO., LTD.;
2,670	20220246318	2021-01-29	Offshore Energy Generation System (OEGS)	Javier Castillo; Leonardo Do Valle Fehlberg;	
2,671	20210256013	2021-01-29	BLOCKCHAIN-BASED METHODS AND APPARATUSES FOR RECORDING STRUCTURED WORK	Xinying Yang;	Advanced New Technologies Co., Ltd.;
2,672	20210157800	2021-01-29	BLOCKCHAIN-BASED TRANSACTION PROCESSING METHODS, APPARATUSES, AND ELECTRONIC DEVICES	Jiyuan Wang; Xuebing Yan;	Advanced New Technologies Co., Ltd.;
2,673	20210158442	2021-01-29	CREDIT EVALUATION METHODS AND APPARATUSES, AND ELECTRONIC DEVICES	Jiahui Cui; Zheng Liu; Shan Yin;	Advanced New Technologies Co., Ltd.;
2,674	20210158704	2021-01-29	OVERDUE PARKING FEE RECORDATION METHOD AND APPARATUS, OVERDUE PARKING FEE REMINDING METHOD AND APPARATUS, AND ELECTRONIC DEVICE	Guofei JIANG; Guangyu Lin;	Advanced New Technologies Co., Ltd.;
2,675	20210160053	2021-01-29	MERKLE TREE CONSTRUCTION METHODS AND APPARATUSES AND SIMPLIFIED PAYMENT VERIFICATION METHODS AND APPARATUSES	Xinying Yang;	Advanced New Technologies Co., Ltd.;
2,676	20210160068	2021-01-29	DATA SHARING METHOD, APPARATUS, AND SYSTEM, AND ELECTRONIC DEVICE	Jun Wu;	Advanced New Technologies Co., Ltd.;
2,677	20210233070	2021-01-28	NOTARY SYSTEM FOR A DISTRIBUTED LEDGER	Tudor Malene;	
2,678	20210234666	2021-01-27	ENHANCED BLOCKCHAIN MASTER NODE COMPUTING STACK	Shlomi Amouyal; Ofir Hackmon;	
2,679	20230422030	2021-01-27	Trustful Service Traffic Handling in a Core Network Domain	Alfonso de Jesus Perez Martinez; Miguel Muñoz De La Torre Alonso; Rodrigo Alvarez Dominguez;	
2,680	20220237601	2021-01-27	WebAuthn+JSON DLT ˜the internet of value	Michael Duffy;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,681	20210149885	2021-01-27	BLOCKCHAIN-BASED CONTENT PROCESSING METHOD AND APPARATUS, DEVICE, AND STORAGE MEDIUM	Xin LI;	
2,682	20210150521	2021-01-27	BLOCKCHAIN-BASED PRIVACY TRANSACTION AND BLOCKCHAIN-BASED PRIVACY TRANSACTION APPLICATION METHODS AND APPARATUSES	Dong Pan;	Advanced New Technologies Co., Ltd.;
2,683	20210258154	2021-01-26	NODE GROUP MANAGING DEVICE AND COMPUTING DEVICE FOR CONFIGURING GROUP KEY-BASED DUAL SIGNATURE TRANSACTION STRUCTURE IN BLOCKCHAIN NETWORK	Ki PARK; Young SON; Hyun DO; Mi JUNG; Kwang CHAE; Byoung JEON; Ju YOON;	Other;
2,684	20210149882	2021-01-26	FIELD UPDATE METHOD AND APPARATUS, AND ELECTRONIC DEVICE	Benquan Yu; Haizhen Zhuo; Zhonghao Lu; Faqiang Wang;	Advanced New Technologies Co., Ltd.;
2,685	20210312547	2021-01-25	MULTI-ENERGY TRADING AND MANAGEMENT PLATFORM BASED ON BLOCKCHAIN	Tao Ding; Jiangbin Dong; Chenggang Mu; Ming Qu; Keer Ning; Xiaobo Dong; Jie Qi; Xiaomeng Zhang; Yuankang He; Tianen Chen; Yongqing Wang; Jian Liu;	
2,686	20220236886	2021-01-22	SECURELY ARCHIVING DIGITAL DATA IN DNA STORAGE AS BLOCKS IN A BLOCKCHAIN	Rahul Vishwakarma; Bing Liu; Parmeshwr Prasad; Parminder Sethi;	
2,687	20220237470	2021-01-22	STORING DIGITAL DATA IN DNA STORAGE USING BLOCKCHAIN AND DESTINATION-SIDE DEDUPLICATION USING SMART CONTRACTS	Rahul Vishwakarma; Bing Liu; Parmeshwr Prasad; Parminder Sethi;	
2,688	20220237477	2021-01-22	FACTCHECKING ARTIFICIAL INTELLIGENCE MODELS USING BLOCKCHAIN	Srikanth Tamilselvam; Sai Koti Reddy Danda; Senthil Kumar Kumarasamy Mani; Kalapriya Kannan; Sameep Mehta;	
2,689	20210233170	2021-01-22	METHODS AND SYSTEMS FOR PROVIDING A CENTRAL BANK DIGITAL CURRENCY CROSS BORDER PAYMENT SERVICE	Carmelle Perpetuelle Maritza Racine Cadet;	
2,690	20240078522	2021-01-22	INTERACTION CHANNEL BALANCING	Benjamin Price;	Visa International Service Association;
2,691	20220121809	2021-01-21	METHOD, SYSTEM AND APPARATUS FOR GENERATING, EDITING, AND DEPLOYING NATIVE MOBILE APPS AND UTILIZING DEEP LEARNING FOR INSTANT DIGITAL CONVERSION	Alex Bakman;	
2,692	20240070791	2021-01-20	RE100 ENERGY TRANSACTION SYSTEM AND METHOD USING BLOCKCHAIN	Su JEONG; Chong PARK;	Kepco KDN Co., Ltd.;
2,693	20230155847	2021-01-20	FRAUD VERIFICATION DEVICE AND FRAUD DETECTION SYSTEM	Akira FUKATA;	NEC Solution Innovators, Ltd.;
2,694	20210165686	2021-01-20	TASK PROCESSING METHOD, SYSTEM, DEVICE, AND STORAGE MEDIUM	Jingyu YANG; Maogang Ma; Guize Liu; Jinsong Ma;	
2,695	20230066711	2021-01-19	ATTESTATION SERVICE FOR USE WITH A BLOCKCHAIN NETWORK	Craig WRIGHT; Owen VAUGHAN; Jack DAVIES;	
2,696	20230060559	2021-01-19	SMART CONTRACTS	Craig WRIGHT; Chloe TARTAN;	
2,697	20230054245	2021-01-19	DISTRIBUTED DATABASE	Craig WRIGHT; Jack DAVIES;	
2,698	20210334837	2021-01-19	CONSUMER DATA AND PRIVACY CONTROLS IN A SOCIAL NETWORKING ENVIRONMENT	Richard Postrel;	
2,699	20220222681	2021-01-14	System and Method for Authentication (Verifying Chain of Custody and Provenance) of Precious Metals and Physical Commodities using Blockchain	BASHIR ANASTAS;	
2,700	20220222656	2021-01-14	BATCH PROCESSING OF CRYPTOCURRENCY TRANSACTIONS USING UNSPENT TRANSACTION OUTPUTS	Mohammed Adham; Dylan Seago;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,701	20210218574	2021-01-14	METHOD AND APPARATUS FOR VERIFYING DIGITAL IDENTITY, DEVICE AND STORAGE MEDIUM	Hongbin MAO; Siyuan PAN; Junjie YUAN; Haodong CHEN; Hui WANG;	
2,702	20230125083	2021-01-12	BLOCKCHAIN DATA ACCESS AUTHORIZATION METHOD, APPARATUS, AND DEVICE	Yuzhuang XU; Tao ZHU; Yu ZHOU;	
2,703	20210241243	2021-01-12	COMPUTER METHOD AND APPARATUS FOR PROVIDING PROPRIETARY RIGHTS TRANSACTIONS	Christopher Wiklof; Timothy Londergan; Nobuhito Koya; Nicholas Gibson; Geoffery OSLER; James HARMON;	
2,704	20210216651	2021-01-12	METHOD AND APPARATUS FOR MANAGING INFORMATION ABOUT MEASUREMENT DEVICE	QianNi Duan; GuoJun Xie; Jean-Christophe Emery; Feng Dai;	
2,705	20220366088	2021-01-11	BLOCKCHAIN AUDITING SYSTEM AND METHOD	Douglas Grover; MICHAEL ANGELO;	MICRO FOCUS LLC;
2,706	20220222610	2021-01-11	Unified Tracking System	David Hall; Jared Eggett; David Noel;	Hall Labs LLC;
2,707	20220164795	2021-01-11	Cross-chain Communication Method, Device and Storage Medium thereof	Hui YANG; Shuai DONG; Qiuyan YAO; Bowen BAO; Chao LI; Zhengjie SUN; Jie ZHANG;	
2,708	20210176058	2021-01-08	CONSENSUS METHOD USED FOR MINER NODE IN BLOCKCHAIN SYSTEM AND BLOCKCHAIN SYSTEM	Qiang CHENG;	SHENZHEN RED BRICK TECHNOLOGY CO., LTD.;
2,709	20220215755	2021-01-07	Geolocation Based Vehicle Access Systems And Methods	Andrea Broaddus; Jon Coleman; Dhanush Harihar; James Fishelson; Richard Twumasi-Boakye; Xiaolin Cai; Mohammed Fayaj navaz; Archak Mittal; Amit Bhagwan;	Ford Global Technologies, LLC;
2,710	20210125282	2021-01-07	Information Processing Method, Information Processing Apparatus and Non-Transitory Computer-Readable Storage Medium	Kiyohiro Saburi;	
2,711	20240070144	2021-01-07	INFORMATION PROCESSING APPARATUS, ADJACENT NODE SELECTING METHOD AND PROGRAM	Hiroshi MATSUURA; Yoshinori GOTO; Hidehiro SAO;	NIPPON TELEGRAPH AND TELEPHONE CORPORATION;
2,712	20210209684	2021-01-06	SYSTEM AND METHOD FOR TRANSFERRING CURRENCY USING BLOCKCHAIN	Brian Foote; Adam Wolfe; Jeff Hinshaw;	
2,713	20210266174	2021-01-05	CPU Mining in Blockchain Environments	Paul Snow;	Factom, Inc.;
2,714	20210224802	2021-01-05	VERIFICATION METHOD, VERIFICATION APPARATUS, AND NON-TRANSITORY COMPUTER-READABLE STORAGE MEDIUM FOR STORING VERIFICATION PROGRAM	Takuma Takeuchi; Yuki Yonekura; Shingo Fujimoto; Masanobu Morinaga;	FUJITSU LIMITED;
2,715	20210125163	2021-01-05	System and method of enforcing and monitoring contracts	Romeo OPOKU-WARE; Matthew RAPPARD;	
2,716	20210209589	2021-01-04	BLOCKCHAIN SESSION KEY	Wen LEONG;	
2,717	20220044241	2021-01-03	Achieving Decentralized Blockchain Consensus Using A State Function Driven Protocol	Dan Lu;	
2,718	20210160075	2020-12-31	BLOCKCHAIN-BASED TRUSTABLE GUARANTEES	Xuming Lu; Jiayi Shao; Guojun YE;	ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD.;
2,719	20210124616	2020-12-31	WORKLOAD MANAGEMENT USING BLOCKCHAIN-BASED TRANSACTION DEFERRALS	Prashant Verma; Ronil Mokashi;	Amazon Technologies, Inc.;
2,720	20210117925	2020-12-30	METHOD FOR TEACHING MANAGEMENT, BLOCKCHAIN NODE DEVICE, AND NON-TRANSITORY COMPUTER READABLE STORAGE MEDIUM	Xin Liu;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,721	20210118072	2020-12-30	METHOD AND APPARATUS FOR HOTEL MANAGEMENT AND BLOCKCHAIN NODE SERVER	Xin Liu;	
2,722	20210117960	2020-12-30	DECENTRALIZED DIGITAL PAYMENT SERVICE SYSTEM	Aleksandr EFREMOV;	
2,723	20210119801	2020-12-29	METHOD AND SYSTEM FOR PROCESSING PERSONAL DATABASE ON BLOCK CHAIN	Eun KIM; Yuwon KIM;	
2,724	20210326974	2020-12-26	BLOCKCHAIN-BASED OUTSOURCING PROCESSING METHOD AND PLATFORM	Jiewu LENG; Man ZHOU; Yuxuan XIAO; Longzhang LI; Qiang LIU; Haochi PAN; Zihan LI; Zhangyi WANG; Jingyi CAI; Shuer LIN;	
2,725	20220207615	2020-12-24	Blockchain Insurance Verification System	Hyder Naqvi;	
2,726	20220046015	2020-12-23	CERTIFIED TRANSACTION AUTHENTICATION SYSTEM FOR UNILATERALLY-ISSUED RECORDS	Marcos Dequeiroga; Marcio Esteves; Tom Roesner;	DocTrace, LLC;
2,727	20210233075	2020-12-23	DISTRIBUTED LEDGER	Andrew Shaevel; Michael Shvartsman;	
2,728	20210357893	2020-12-22	SYSTEMS AND METHODS FOR COMMERCE IN A DISTRIBUTED SYSTEM WITH BLOCKCHAIN PROTOCOLS AND SMART CONTRACTS	Jimmy KANG; Evan FROHLICH; Joshua KATZ;	
2,729	20220058167	2020-12-21	DEVICE, SYSTEM AND METHOD FOR VERSION ROLLING WITH A BLOCKCHAIN MINING ENGINE	Vikram Suresh; Sanu Mathew; Raghavan Kumar;	Intel Corporation;
2,730	20210110497	2020-12-21	PEER-TO-PEER SCHOLARSHIP, MENTORSHIP, AND APPRENTICESHIP DISTRIBUTED APPLICATION, METHOD, AND SYSTEM USING A BLOCKCHAIN	Micah McCrary-Dennis;	
2,731	20220197730	2020-12-21	BLOCKCHAIN-BASED MULTI-APPLICATION COMMUNICATION PLATFORM	Frank Albrecht;	SAP SE;
2,732	20210110474	2020-12-21	Blockchain-Based Method, Apparatus, and System to Accelerate Transaction Processing	Maryanne Morrow; Katherine Maher; Andrew Fately; Jay Payne; Wyatt Barnes; John Gillespie;	9th Gear Technologies, Inc.;
2,733	20230038922	2020-12-18	Blockchain Implemented Data Hiding Solutions For Improvements In Secure Communication, Storage And Transmission Of Data	Alexander Fauvel; Remie Ramos;	
2,734	20220377109	2020-12-18	CRYPTO-JACKING DETECTION	George KALLOS; Fadi EL-MOUSSA;	
2,735	20210183163	2020-12-18	AUGMENTED REALITY REMOTE AUTHORING AND SOCIAL MEDIA PLATFORM AND SYSTEM	John Daly;	
2,736	20220189317	2020-12-16	BLOCKCHAIN ENABLED AIRCRAFT SECURE COMMUNICATIONS	Matthew Winslow; Scott Bohanan;	Gulfstream Aerospace Corporation;
2,737	20210209197	2020-12-16	APPARATUS AND METHOD FOR FRAND LICENSING AND TRANSACTION COSTS FOR MORE INDIVIDUAL LICENSE AGREEMENTS THROUGH SMART CONTRACTS ON THE BASIS OF BLOCKCHAIN TECHNOLOGY	JONAS BLOCK;	
2,738	20210209198	2020-12-16	APPARATUS AND METHOD FOR FRAND LICENSING AND TRANSACTION COSTS FOR MORE INDIVIDUAL LICENSE AGREEMENTS THROUGH SMART CONTRACTS ON THE BASIS OF BLOCKCHAIN TECHNOLOGY	JONAS BLOCK;	
2,739	20230007873	2020-12-15	Management Method and Apparatus for System Configuration Independent of Smart Contract for Blockchain	Xiaoliang WANG; Zhiwei NING;	
2,740	20220188836	2020-12-15	Anti-Money Laundering Blockchain Technology	Nicholas Scherling;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,741	20210334808	2020-12-15	IDENTITY MANAGEMENT SERVICE USING A BLOCKCHAIN PROVIDING CERTIFYING TRANSACTIONS BETWEEN DEVICES	Armin Ebrahimi;	Ping Identity Corporation;
2,742	20230377700	2020-12-15	METHOD AND DISTRIBUTED LEDGER SYSTEM FOR SUPPORTING SHARING OF DIGITAL HEALTH DATA OF TRAVELERS IN A TRAVEL ENVIRONMENT	Sebastien ANDREINA; Rahul BOBBA; Ghassan KARAME;	
2,743	20210192084	2020-12-15	CERTIFICATION AND VALIDATION OF DATA FILES ISSUED BY AN ARCHITECT OR ENGINEER	Adam Wilbrecht;	
2,744	20220188295	2020-12-14	DYNAMIC MANAGEMENT OF BLOCKCHAIN RESOURCES	Petr Novotny; Qi Zhang; Lei Yu; Nitin Gaur;	
2,745	20220191005	2020-12-14	Stranded blockchain	Brandon D'Amore; Gregory Piccionelli; Joel Thatcher;	
2,746	20210209614	2020-12-14	SYSTEMS AND METHODS FOR SECURE ACCESS TO PROPERTY OR INFORMATION USING BLOCKCHAIN	Konstantinos Bakalis; Alexandros Bakalis;	
2,747	20220188944	2020-12-14	Blockchain-Based Referral Tracking System (BRTS)	Wang-Chan Wong; Howard Lee;	
2,748	20220121172	2020-12-14	DISTRIBUTED QUALITY MANAGEMENT AND CONTROL SYSTEMS AND METHODS FOR DECENTRALIZED MANUFACTURING USING CONNECTED SENSOR DEVICES	Sujaya Rao; Donald Godfrey; Raghavendra Muniraju; Satyanarayan Kar; Rakesh Hota; Keerthi Jayarajan; Vinayakumar Kasimsetty;	HONEYWELL INTERNATIONAL INC.;
2,749	20220020018	2020-12-14	CRYPTOGRAPHIC ENCRYPTION PROTOCOL FOR DATA TYPES AND VALUES	Aram JIVANYAN; Jesse LANCASTER;	
2,750	20220191047	2020-12-12	ANONYMITY MECHANISMS IN PERMISSIONED BLOCKCHAIN NETWORKS	Jeronimo Irazabal; Petr Novotny; Mariela Lanza;	
2,751	20210192346	2020-12-11	Establishing a Trained Machine Learning Classifier in a Blockchain Network	Benjamin TAYLOR; Victor DODS; Leonid ALEKSEYEV;	LedgerDomain, LLC;
2,752	20210182314	2020-12-11	SYSTEMS AND METHODS FOR ON-CHAIN / OFF-CHAIN STORAGE USING A CRYPTOGRAPHIC BLOCKCHAIN	Walter HANCOCK;	
2,753	20240005019	2020-12-09	DATA TRADING DEVICE, DATA TRADING SYSTEM, DATA TRADING METHOD, AND NON-TRANSITORY COMPUTER-READABLE MEDIUM	Haruna Miwa;	NEC Corporation;
2,754	20220182231	2020-12-09	DECENTRALIZED BROADCAST ENCRYPTION AND KEY GENERATION FACILITY	Dulce Ponceleon; Nitin Gaur; Petr Novotny; Luis BATHEN;	
2,755	20220182237	2020-12-08	ENTANGLED TOKEN STRUCTURE FOR BLOCKCHAIN NETWORKS	Nitin Gaur; Timothy Olson; Petr Novotny;	
2,756	20210233014	2020-12-08	SYSTEM AND A METHOD FOR DETERMINING MISSING INFORMATION IN A BLOCKCHAIN NETWORK	Ananthakrishnan N; Luca Bertuccelli; Pradeep Sanaga; Suresh Manda; Natalia Andreyeva;	
2,757	20220414772	2020-12-08	METHOD AND APPARATUS FOR COMPUTER-IMPLEMENTED MONITORING OF ENERGY PRODUCTION OF A RENEWABLE ENERGY GENERATING SYSTEM	Julien Berbach; Bert Gollnick; Jon Gould; Fabian Walz;	
2,758	20220182236	2020-12-08	CONSENSUS ALGORITHM FOR DISTRIBUTED LEDGER TECHNOLOGY	Bartlomiej Filipek; Maciej Snopczynski; Michal Zarakowski; Karol Oleszek;	
2,759	20210194699	2020-12-08	BLOCKCHAIN-EMBEDDED SECURE DIGITAL CAMERA SYSTEM TO VERIFY AUDIOVISUAL AUTHENTICITY	Nicholas TATONETTI; Siddhartha SHRIVASTAVA;	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK;
2,760	20220182443	2020-12-07	MINIMIZING THE IMPACT OF MALFUNCTIONING PEERS ON BLOCKCHAIN	Qi Zhang; Petr Novotny; Lei Yu; Nitin Gaur;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,761	20210209546	2020-12-07	SYSTEMS AND METHODS OF BLOCKCHAIN TRANSACTION RECORDATION IN A FOOD SUPPLY CHAIN	Raja Ramachandran; Philip Harris; Christian Saucier; Nathan Jin; Francis Gouillart;	Ripe Technology, Inc.;
2,762	20210173826	2020-12-07	SYSTEM AND METHODS FOR SECURING SOFTWARE CHAIN OF CUSTODY	Tapasvi KAZA; Navin GUNALAN;	Vivsoft Technologies LLC;
2,763	20210174351	2020-12-06	BLOCKCHAIN STRUCTURE FOR AN INTELLECTUAL PROPERTY EXCHANGE INCLUDING A POINTER TO AN ORACLE AND USER INTERFACE THEREFOR	CHRISTOPHER WIKLOF;	
2,764	20210157797	2020-12-06	METHOD AND SYSTEM FOR DATA STORAGE AND RETRIEVAL	JOHN DUTCHAK; CORY MOREIRA; DHIRAJ RATTAN; CARLOS KORTEN; CHRISTOPHER WIKLOF;	
2,765	20220400101	2020-12-04	SYSTEMS AND METHODS FOR SIDE-CHANNEL-SECURE BLOCKCHAIN ANONYMITY USING I2P	BENJAMIN DIAMOND;	
2,766	20220179843	2020-12-04	BLOCKCHAIN ENDORSEMENT AGREEMENT	Jeronimo Irazabal; Julio Ripoll; FEDERICO CARPI;	
2,767	20220179869	2020-12-04	COEXISTENCE MEDIATOR FOR FACILITATING BLOCKCHAIN TRANSACTIONS	Nitin Gaur; Petr Novotny; Qi Zhang; WISAM MOHAMMED;	
2,768	20210184859	2020-12-04	VALIDATION AND CERTIFICATION OF DIGITAL ASSETS USING A BLOCKCHAIN	Adam Wilbrecht; Zachary Gentry; David Starke;	
2,769	20210326844	2020-12-04	BLOCKCHAINS FOR FACILITATING DECENTRALIZED FUND TRANSFER	Xiaomeng ZHOU; Scott MOELLER; Jacqueline SNELL; Andrew YEE; David TCHEAU; Alan FINKE; Robert OFFICER;	
2,770	20210174944	2020-12-04	System and Method for Fee Schedule Download, Comparison and Reconciliation Against Processed Medical Insurance Claims	Daivik Patel; Pradip Amin; Saadia Zuberi; Henry Nguyen; Fawaz Nayeem;	
2,771	20220179905	2020-12-03	XML PRODUCTION THROUGH DATABASE MINING AND BLOCKCHAIN	Michael Falcetano; Keith Miller; John Bouzakis; Michael Kelly;	
2,772	20220182446	2020-12-03	BLOCKCHAIN TECHNOLOGY IN DATA STORAGE SYSTEM	Chaiwat Sittisombut; Colin Thomson;	
2,773	20220173885	2020-12-02	SELF AUDITING BLOCKCHAIN	Dushyant Behl; SAYANDEEP SEN; Palanivel Kodeswaran;	
2,774	20230249696	2020-11-30	METHOD FOR MANAGING TRAFFIC ON BASIS OF BLOCKCHAIN NETWORK, AND DEVICE AND SYSTEM FOR PERFORMING SAME	Ju BACK; Jong KIM; Yong KIM;	QUANTUM GATE INC.;
2,775	20220164333	2020-11-30	SYSTEM AND METHOD FOR ELECTRONIC DOCUMENT ISSUING USING BLOCKCHAIN AND COMPUTER PROGRAM FOR THE SAME	Young KIM;	
2,776	20230088566	2020-11-30	TECHNIQUES FOR CONTROLLING ACCESS TO SEGMENTED DATA	Rhose EJOBE; Frederic THABARET-DIEBOLD; Cristian RUIZ; Romain AVIOLAT; Riccardo SUCCA;	NAGRAVISION S.A.;
2,777	20220173889	2020-11-30	Secure Safety-Critical System Log	Charles Wilson; Michael Maass; James Margaria;	
2,778	20210082068	2020-11-30	Computerized Network System for Conducting Remote, Virtual Mediation Proceedings	Beatrice O'Brien;	
2,779	20220172198	2020-11-28	REAL-TIME BLOCKCHAIN SETTLEMENT NETWORK	Nitin Gaur; Alan King; Sean Dunne; Dulce Ponceleon;	
2,780	20220027970	2020-11-27	METHOD AND APPARATUS FOR AGREEMENT OF BLOCK IN BLOCKCHAIN NETWORK	Young-Chang KIM; Ki KIM; Jintae OH;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,781	20230015950	2020-11-26	METHOD AND SYSTEM FOR CONVERTING DATABASE APPLICATIONS INTO BLOCKCHAIN APPLICATIONS	Yuming QIAN; Francois DUMAS; Patricia POPERT-FORTIER;	Zeu Technologies, Inc.;
2,782	20220283987	2020-11-26	MANAGEMENT SERVER, DOCUMENT FILE MANAGEMENT SYSTEM, DOCUMENT FILE MANAGEMENT METHOD, AND DOCUMENT FILE MANAGEMENT PROGRAM	YOSHIKUNI NAKAMURA;	SKYCOM CORPORATION;
2,783	20210166313	2020-11-25	QUASI-DECENTRALIZED FINANCIAL INVESTMENT SYSTEM BASED ON BLOCKCHAIN	Chao-Ming CHO;	
2,784	20220092566	2020-11-25	SYSTEM AND METHOD FOR DATA PROVIDER TRACKING AND MONETIZATION	Ronald Austring; Kenneth Hill, SR;	Electronic Health Record Data, Inc.;
2,785	20210165905	2020-11-25	METHODS AND APPLICATIONS FOR CONTROLLING DISTRIBUTED ACCESS TO A TELECOMMUNICATIONS NETWORK	Emmanuel Bertin; Julien Hatin;	
2,786	20210166231	2020-11-25	Blockchain-Based Account Withdrawal Method and System	Lin Han;	
2,787	20210157942	2020-11-25	AUTHENTICATING DATA FOR USE USING A DATA STORAGE SYSTEM AND DISTRIBUTED ELECTRONIC LEDGER SYSTEM	Stephen Majko-Ruben;	
2,788	20220166616	2020-11-24	KEY RECLAMATION IN BLOCKCHAIN NETWORK VIA OPRF	Yacov Manevich; Nitin Gaur; Dulce Ponceleon; Petr Novotny;	
2,789	20210073815	2020-11-23	BLOCKCHAIN-BASED TRANSACTION PROCESSING METHOD AND APPARATUS	Hao WU;	
2,790	20230351051	2020-11-20	SYSTEM AND METHOD FOR DETECTING DIGITAL CONTENT FORGERY USING WEB ASSEMBLY-BASED BLOCKCHAIN PLATFORM	Eun-ju WOO; Jin CHOI;	HANBITSOFT INC.;
2,791	20210296963	2020-11-20	PORTABLE BLOCKCHAIN MINING SYSTEM AND METHODS OF USE	Stephen Barbour;	
2,792	20230036852	2020-11-20	SINGLE-USE TOKENS	Bassem AMMAR; Wei ZHANG; Craig WRIGHT;	
2,793	20220164729	2020-11-20	AUTOMATED CONTROL COMPLIANCE EVIDENCE MANAGER USING A SECURE DISTRIBUTED LEDGER	John FIELDS; Scott DYSART; Jonathan WEIMER; Maimi NIINA; Stephen DITELJAN; Ayrton TRUJILLO; Joseph MEHR; Thomas LE; Kellie WATTS;	Capital One Services, LLC;
2,794	20220166602	2020-11-20	Apparatus and Method of Lightweight Communication Protocols between Multiple Blockchains	Shangru WU; Haihua ZHANG; Xingxia ZHANG; Ruoqing ZHANG;	
2,795	20230004946	2020-11-19	ESCROW SYSTEM AND TRANSACTION METHOD	Shinichirou FUJIMOTO;	
2,796	20220156723	2020-11-19	FRACTIONALIZING AND MANAGING OBJECTS USING CRYPTOGRAPHICALLY LINKED BLOCKS	Christopher Lovato; Michael Shattuck; Aaron Bylund;	
2,797	20210149880	2020-11-19	SYSTEMS AND METHODS FOR EXTENDABLE SMART CONTRACTS IN DISTRIBUTED LEDGER TECHNOLOGY	Kirill Ivkushkin; Vladimir Stepanov; Andrei Zhulin;	
2,798	20210073211	2020-11-18	Management Of Entitlements Using Blockchain	David Wright, SR;	
2,799	20220156725	2020-11-18	CROSS-CHAIN SETTLEMENT MECHANISM	Futoshi Iwama; Sachiko Yoshihama; HIROYUKI Kitayama;	
2,800	20210070186	2020-11-18	SYSTEMS AND METHODS FOR ENABLING AUTOMATIC MANAGEMENT OF POWER LOADS AND POWER GENERATION BASED ON USER-SPECIFIED SET OF RULES	Valery Miftakhov; Alexander Gurzhi; Alan White;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,801	20210157792	2020-11-17	TECHNIQUE FOR MANAGING DATA IN A BLOCKCHAIN NETWORK	Myongsik Gong; Giwoong Kim; Dongyoung Min; Seokwoo Ahn; Hyochang Yang; Kangmin Yoo; Hansol Lee; Jaeyeong Choi; Junghoon Hah;	TmaxBI Co., Ltd.;
2,802	20220407696	2020-11-17	SERVER, DATA PROCESSING METHOD, COMPUTER SYSTEM, AND COMPUTER	Daisuke KITO; Yusuke JIN;	Hitachi, Ltd.;
2,803	20210295227	2020-11-17	MULTI-ENERGY DISTRIBUTED TRANSACTION AND SMART CONTRACT DESIGN METHOD BASED ON ETHEREUM PRIVATE CHAIN	Tao DING; Jiangbin DONG; Chenggang MU; Ming QU; Ke'er NING; Xiaobo Dong; Jie QI; Xiaomeng ZHANG; Yuankang HE; Tian'en CHEN; Yongqing WANG; Jian LIU;	
2,804	20230376550	2020-11-16	A METHOD OF FLOCK ENGINE WITH BLOCKCHAIN AUDITING	Sridhar Seshadri; Shreeram Iyer;	
2,805	20210151142	2020-11-16	IMPLEMENTATION OF AN ANIMAL BLOCKCHAIN USING UNIQUE ID FOR ANIMAL IDENTITY AND RECORDS MANAGEMENT	Stephanie CHOI; Hyeong CHOI;	
2,806	20210075590	2020-11-16	METHOD AND APPARATUS FOR ESTABLISHING BLOCKCHAIN NODE CONNECTION, AND DEVICE	Fei YANG; Xue YANG; Bingyang LIU; Xinpeng WEI; Shoushou REN;	
2,807	20230006840	2020-11-16	METHODS AND DEVICES FOR AUTOMATED DIGITAL CERTIFICATE VERIFICATION	Michaella PETTIT; Wei ZHANG; Owen VAUGHAN; Craig WRIGHT;	
2,808	20210142301	2020-11-16	STABLECOIN AS A MEDIUM OF EXCHANGE ON A BLOCKCHAIN-BASED TRANSACTION NETWORK	John Anderson; Charles Uchill; Sean McNamara;	
2,809	20210142302	2020-11-16	STABLECOIN AS A MEDIUM OF EXCHANGE ON A BLOCKCHAIN-BASED TRANSACTION NETWORK	John Anderson; Charles Uchill; Sean McNamara;	
2,810	20230267459	2020-11-13	METHOD AND DEVICE FOR STAKE-BASED TOKEN MANAGEMENT ON A BLOCKCHAIN SYSTEM	Chul HONG; Ji PARK;	SOOHO.IO INC.;
2,811	20220407770	2020-11-13	BLOCKCHAIN SYSTEM, PROGRAM AND NETWORK CONNECTION APPARATUS	Shinichirou FUJIMOTO;	
2,812	20210150514	2020-11-13	SYSTEMS AND METHODS FOR AUTHENTICATED TRUST DISTRIBUTION USING BLOCKCHAIN	Doris SCHWARTZ;	WILLPORTTRUST LLC;
2,813	20210150622	2020-11-13	METHODS AND SYSTEMS FOR AUTHENTICATED DISTRIBUTION UPON OCCURRENCE OF A TRIGGERING EVENT USING BLOCKCHAIN	Doris SCHWARTZ;	WILLPORTTRUST LLC;
2,814	20210150632	2020-11-13	SYSTEMS AND METHODS FOR AUTHENTICATED VOUCHER DISTRIBUTION USING BLOCKCHAIN	Doris SCHWARTZ;	WILLPORTTRUST LLC;
2,815	20210084105	2020-11-13	SYSTEM AND APPARATUS TO MANAGE DATA USING A PEER-TO-PEER NETWORK AND THE BLOCKCHAIN	Moshe SHADMON; Levy COHEN; Daniel ABADI; Owen ARDEN;	
2,816	20220391893	2020-11-13	SECURE ELECTRONIC MESSAGING GUARANTEEING INTEGRITY AND NON-REPUDATION	Félix BREZO FERNÁNDEZ; Yaiza RUBIO VIÑUELA; Aruna BIANZINO; José TORRES VELASCO; Sergio DE LOS SANTOS;	Telefonica Cybersecurity & Cloud Tech S.L.U.;
2,817	20210142299	2020-11-13	STABLECOIN AS A MEDIUM OF EXCHANGE ON A BLOCKCHAIN-BASED TRANSACTION NETWORK	John Anderson; Charles Uchill; Sean Mcnamara;	
2,818	20210308344	2020-11-12	Blood Bag	Yen-Yi Ho;	
2,819	20220391861	2020-11-10	INFORMATION PROCESSING SYSTEM, INFORMATION PROCESSING DEVICE, AND INFORMATION PROCESSING METHOD	KOKI TAKAHASHI; YOSHIHIKO IKENAGA; MASAAKI ISOZU; KAZUHIRO WATANABE;	
2,820	20220374886	2020-11-06	PERFORMING TRANSACTIONS USING PRIVATE AND PUBLIC BLOCKCHAINS	Silvio Micali; Maurice Herlihy; Sergey Gorbunov;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,821	20220141014	2020-11-05	STORING SECRET DATA ON A BLOCKCHAIN	Arthur Britto; David Schwartz; Zack Brunson; Lukas Stille; Arun Velagapalli; Nitin Mahendru; Kimon Papahadjopoulos;	
2,822	20210133728	2020-11-04	BLOCKCHAIN TRACKING OF A PHYSICAL DIAMOND TOKEN	Cormac Kinney;	
2,823	20210049596	2020-11-04	RESOURCE TRANSFER DATA MANAGEMENT METHOD AND APPARATUS, AND STORAGE MEDIUM	Rui GUO; Maocai LI; Zongyou WANG; Haitao TU; Li KONG; Kaiban ZHOU; Changqing YANG; Nan WANG; Yong DING; Yifang SHI;	Tencent Technology (Shenzhen) Company Limited;
2,824	20230023060	2020-11-03	PROVABLY FAIR GAMES USING A BLOCKCHAIN	Jack DAVIES; Chloe TARTAN; Craig WRIGHT;	
2,825	20220410017	2020-11-03	PROVABLY FAIR GAMES USING A BLOCKCHAIN	Jack DAVIES; Chloe TARTAN; Craig WRIGHT;	
2,826	20220413971	2020-11-02	System and Method for Blockchain Based Backup and Recovery	Yuming QIAN;	ZEU TECHNOLOGIES, INC.;
2,827	20220138179	2020-11-02	PRIVATE BLOCKCHAIN SYSTEM AND METHOD	Guy Stone; Alex Sukhikh;	Blue Tech Inc.;
2,828	20220058580	2020-11-02	Cryptocurrency Protocol and System and Method for Use of Same	Michael Revy;	
2,829	20210050078	2020-11-02	Automated System and Method for Claim Adjudication and Dispute Resolution for HealthCare Transactions	Miteshkumar Patel;	
2,830	20210049608	2020-10-30	TRANSACTION METHOD AND SYSTEM BASED ON CENTRALIZED CLEARING AND BLOCKCHAIN RECORD KEEPING	Xinying YANG;	
2,831	20220366458	2020-10-30	BLOCKCHAIN-BASED PATENT VALUE CHAIN PLATFORM AND CROWDFUNDING SERVICE METHOD USING SAME	Sung LEE;	
2,832	20220138855	2020-10-30	ELECTRONIC UTILITY FOR AGGREGATE FUNDING NEW ENTERTAINMENT PRODUCTIONS AND AUTOMATING THEREOF PROFIT-SHARING	Kazimierz Gradek;	
2,833	20210073800	2020-10-30	Coin-Basis application designed to calculate the basis of crypto currency	Carl Ingram; Michael Pickett; Tom Brown;	
2,834	20210049595	2020-10-30	TRANSACTION METHOD AND SYSTEM BASED ON CENTRALIZED SETTLEMENT AND BLOCK CHAIN STORAGE	Xinying YANG;	
2,835	20210049600	2020-10-30	Digital Asset Delivery Network	Brian Spector; Chris Morris; Howard Kitto; Kelan McCusker;	Qredo Ltd.;
2,836	20210049695	2020-10-30	BLOCKCHAIN-BASED FINANCIAL TRADING EXECUTING METHOD AND APPARATUS, AND ELECTRONIC DEVICE	Ling MA; Changhua HE; Hui ZHANG; Danqing HU; Ge JIN;	
2,837	20210049715	2020-10-30	BLOCKCHAIN-BASED DATA PROCESING METHOD, APPARATUS, AND ELECTRONIC DEVICE	Honglin Qiu; Hui Zhang;	Advanced New Technologies Co., Ltd.;
2,838	20230385819	2020-10-29	A BLOCKCHAIN BASED SMART VOUCHER SYSTEM	Sami AL SUWAILEM; Hilal HOUSSAIN; Mohammed OBAIDULLAH;	ISLAMIC DEVELOPMENT BANK INSTITUTE;
2,839	20220138550	2020-10-29	BLOCKCHAIN FOR ARTIFICIAL INTELLIGENCE TRAINING	Qi Zhang; Nitin Gaur; Petr Novotny; Lei Yu;	
2,840	20210133875	2020-10-29	COMPREHENSIVE BUYING, SELLING, TRADING, TRACKING, VERIFICATION, VALIDATION, TOKENIZATION AND FINANCIAL SERVICES USING BLOCKCHAIN	Brian Foote; Adam Wolfe; Jeff Hinshaw;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,841	20210049509	2020-10-29	BLOCKCHAIN-BASED METHOD AND APPARATUS FOR REWARDING WORK PERFORMER	Xinying Yang;	Advanced New Technologies Co., Ltd.;
2,842	20210306135	2020-10-28	ELECTRONIC DEVICE WITHIN BLOCKCHAIN BASED PKI DOMAIN, ELECTRONIC DEVICE WITHIN CERTIFICATION AUTHORITY BASED PKI DOMAIN, AND CRYPTOGRAPHIC COMMUNICATION SYSTEM INCLUDING THESE ELECTRONIC DEVICES	Younsung CHU; Junho HUH;	SAMSUNG ELECTRONICS CO., LTD.;
2,843	20210126793	2020-10-28	METHOD, SYSTEM AND NON-TRANSITORY COMPUTER-READABLE RECORDING MEDIUM FOR SUPPORTING NON-FACE-TO-FACE AUTHENTICATION IN A BLOCKCHAIN NETWORK	Woo KHO; Eun LEE; Hee KIM; Min CHA; Da SEO;	MediBloc Co., Ltd.;
2,844	20220129443	2020-10-27	DOCUMENT MANAGEMENT SYSTEM AND RELATED METHOD	Mathieu NADEAU; Sébastien NADEAU;	
2,845	20210126777	2020-10-27	SYSTEMS AND METHODS FOR PROVIDING SECURE DATA ACCESS CONTROL USING DISTRIBUTED LEDGERS	Daniel Mash;	
2,846	20220415329	2020-10-26	SYSTEM FOR STORING VOICE RECORDING INFORMATION BASED ON BLOCKCHAIN	Soo PARK; Myoung KOO; In KIM;	
2,847	20220038273	2020-10-26	DISTRIBUTED DATA MANAGEMENT METHOD BASED ON A BLOCKCHAIN NETWORK AND APPARATUS THEREFOR	Jung LEE; Jun KIM; Ji KIM; Sang LEE; Kyu LEE;	
2,848	20210042819	2020-10-23	METHOD AND APPARATUS FOR TRADING VIRTUAL PET COMMODITY	Yicheng ZHANG; Wei PENG; Xingcai JIANG; Zhihua ZENG;	Tencent Technology (Shenzhen) Company Limited;
2,849	20220004164	2020-10-22	DISTRIBUTED QUALITY MANAGEMENT AND CONTROL SYSTEMS AND METHODS FOR DECENTRALIZED MANUFACTURING USING BLOCKCHAIN	Satyanarayan Kar; Donald Godfrey; Sujaya Rao; Rakesh Hota; Vinayakumar Kasimsetty;	HONEYWELL INTERNATIONAL INC.;
2,850	20210042842	2020-10-22	SYSTEMS AND METHODS FOR BUILDING, UTILIZING, AND/OR MAINTAINING AN AUTONOMOUS VEHICLE-RELATED EVENT DISTRIBUTED LEDGER OR BLOCKCHAIN	Matthew Floyd; Alvin Hon-wai Yu; Antwuan Murphy; Brittney Benzio; Lindsi Brantley; Matthew Delaney; Matthew Vulich; Matthew Rodriguez; Neha Goel; Sabrina Collins; Annie Murillo;	
2,851	20210042841	2020-10-22	SYSTEMS AND METHODS FOR MAINTAINING A DISTRIBUTED LEDGER PERTAINING TO SMART CONTRACTS	Matthew Floyd; Alvin Hon-wai Yu; Antwuan Murphy; Brittney Benzio; Lindsi Brantley; Matthew Delaney; Matthew Vulich; Matthew Rodriguez; Neha Goel; Sabrina Collins; Annie Murillo;	
2,852	20210120018	2020-10-21	SYSTEMS AND METHODS FOR REACHING CONSENSUS IN A DECENTRALIZED NETWORK	Kirill IVKUSHKIN; Vladimir STEPANOV; Pavel KIRILLOV; Andrei ZHULIN;	
2,853	20210304195	2020-10-20	METHOD FOR BLOCKCHAIN PAYMENT CHANNEL NETWORK MULTI-PATH ROUTING BASED ON GENETIC ALGORITHM	Yanjiao CHEN; Xiaotian ZHU;	WUHAN UNIVERSITY;
2,854	20210118051	2020-10-19	SYSTEM AND METHOD FOR DIGITALLY TOKENIZING SECURITIES AND MANAGING SUBSCRIPTION AND DISTRIBUTION TRANSACTIONS	Mike GEE; James GRAHAM; Barry KREISER; Tony LORIA;	2218716 Alberta Ltd.;
2,855	20210099304	2020-10-16	COMPOSITE IDENTITY AUTHENTICATION METHOD AND COMPOSITE IDENTITY AUTHENTICATION SYSTEM USING SAME	Dejian KONG;	
2,856	20220393871	2020-10-15	MULTIFACTOR AUTHENTICATION USING BLOCKCHAIN TRANSACTIONS	Daniel JOSEPH; Craig WRIGHT;	
2,857	20240154813	2020-10-14	Blockchain-Based Workflow Node Certification Method and Device	Duanxin LU; Qiangle GENG; Bangya MA; Jianliang GU;	
2,858	20230334064	2020-10-13	SYSTEM INCLUDING PEER-TO-PEER NETWORK INVOLVED IN BLOCKCHAIN, METHOD FOR SUPPORTING CONSTRUCTION OF THE SAME PEER-TO-PEER NETWORK, AND SMART CONTRACT EXECUTED ON PEER	Hiroyuki NARUMI;	
2,859	20230073894	2020-10-13	BLOCKCHAIN NETWORK-BASED VIRTUAL COMMON ID SERVICE METHOD AND SERVICE PROVISION SERVER USING SAME	Jay HONG; Kyoo HAN;	
2,860	20240143843	2020-10-13	Method and Device for Implementing Identity Endorsement On Blockchain	Duanxin LU; Jianliang GU;	

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2,861	20210027289	2020-10-13	ASSET TRANSACTION METHOD, STORAGE MEDIUM, AND COMPUTER DEVICE	Rui Guo; Maocai Li; Zongyou Wang; Haitao Tu; Li Kong; Kaiban Zhou; Changqing Yang; Nan Wang; Yong Ding; Yifang Shi;	TENCENT TECHNOLOGY (SHENZEN) COMPANY LIMITED;
2,862	20220400020	2020-10-12	METHOD OF USING A BLOCKCHAIN	Jack DAVIES; Daniel JOSEPH; Craig WRIGHT;	
2,863	20230015569	2020-10-12	DATA STRUCTURE FOR EFFICIENTLY VERIFYING DATA	Jack DAVIES; Daniel JOSEPH; Craig WRIGHT;	
2,864	20210035096	2020-10-09	STORED VALUE SMART CONTRACTS ON A BLOCKCHAIN	David KAMALSKY; Ethan RUBINSON; Sergio GONZALES, JR;	
2,865	20210110360	2020-10-09	Cryptocurrency Exchange Without Bond Backing	Josh Williams; Raymond Chiapuzio;	
2,866	20210133713	2020-10-08	ASSET RIGHT MANAGEMENT SYSTEM BASED ON BLOCKCHAIN AND METHOD THEREOF	Chen-Hsuan WANG; Jiann-Min YANG; Scott MIAU;	
2,867	20210037357	2020-10-08	BLOCKCHAIN SYSTEM AND METHOD FOR CALCULATING LOCATION OF TIME-CRUCIAL SHIPMENTS ACCORDING TO EXPECTATION AND SMART CONTRACTS	Elliot Klein;	
2,868	20240127232	2020-10-08	SYSTEMS AND METHODS FOR IMPROVED ELECTRONIC TRANSFER OF RESOURCES VIA A BLOCKCHAIN	Angus James Farquharson Campbell BROWN; Lorien GAMAROFF;	
2,869	20230344658	2020-10-08	METHODS AND DEVICES FOR SECURE SYMBIOTIC MINING	Jack DAVIES; Wei ZHANG; Craig WRIGHT;	
2,870	20220114584	2020-10-08	APPARATUS AND METHODS TO DEFINE AND USE BEARER TOKENS, CERTIFIED TOKENS AND APPLICATIONS USING BEARER TOKENS AND CERTIFIED TOKENS	JOHN CONLEY; STEPHANIE SO;	
2,871	20210027310	2020-10-08	METHOD AND APPARATUS FOR ELECTING REPRESENTATIVE NODE DEVICE, COMPUTER DEVICE, AND STORAGE MEDIUM	Rui GUO; Maocai LI; Zongyou WANG; Haitao TU; Li KONG; Kaiban ZHOU; Changqing YANG; Nan WANG; Yong DING; Yifang SHI;	
2,872	20210035092	2020-10-07	BLOCKCHAIN INCLUDING LINKED DIGITAL ASSETS	Ryan Pierce; Ajay Madhavan; Stanislav Liberman;	Chicago Mercantile Exchange Inc.;
2,873	20220393891	2020-10-05	COMMUNICATION PROTOCOL USING BLOCKCHAIN TRANSACTIONS	Alexander MACKCAY; Chloe TARTAN; Jad WAHAB; Antoaneta SERGUIEVA; Craig WRIGHT;	
2,874	20220376897	2020-10-05	REQUEST AND RESPONSE PROTOCOL USING BLOCKCHAIN TRANSACTIONS	Alexander MACKAY; Chloe TARTAN; Jad WAHAB; Antoaneta SERGUIEVA; Craig WRIGHT;	
2,875	20220108347	2020-10-02	BLOCKCHAIN BASED COMPUTER SYSTEM FOR MANAGING PRIVATE DATA BY LINKING CRYPTOCURRENCY REWARDS TO THE SHARING OF THE PRIVATE DATA	Steven Connell;	
2,876	20210073740	2020-10-02	METHODS, DEVICES AND SYSTEMS FOR MANAGING GROUP MEMBERSHIP AND RECORD VERIFICATION USING BLOCKCHAIN	Joshua Whitney; Matt Dugan; Johan Muedsam; Aarthi Reddy; Divesh Srivastava; Yaron Kanza; Jean Luo; Chih Huang;	AT&T Intellectual Property I, L.P.;
2,877	20220405765	2020-10-02	KNOW YOUR CUSTOMER (KYC) AND ANTI-MONEY LAUNDERING (AML) VERIFICATION IN A MULTI-DECENTRALIZED PRIVATE BLOCKCHAINS NETWORK	Sergey Bekiyants;	
2,878	20240054590	2020-10-02	INFORMATION PROCESSING DEVICE, METHOD, AND PROGRAM	KOKI TAKAHASHI; YOSHIHIKO IKENAGA; KAZUHIRO WATANABE;	
2,879	20210097508	2020-10-01	SYSTEM AND METHOD FOR CREATING, TRACKING, AND TRANSFERING NON-FUNGIBLE TOKENS IN THE ETHEREUM BLOCKCHAIN	Sean Papanikolas;	
2,880	20210044426	2020-10-01	AWS IDENTITY - BLOCKCHAIN FOR CLOUD BASED AUDIT SERVICES	Matthew Campagna;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,881	20210021412	2020-10-01	METHOD AND APPARATUS FOR ELECTING REPRESENTATIVE NODE DEVICE, COMPUTER DEVICE, AND STORAGE MEDIUM	Rui GUO; Maocai Li; Zongyou Wang; Haitao Tu; Li Kong; Kaiban Zhou; Changqing Yang; Nan Wang; Yong Ding; Yifang Shi;	
2,882	20210306153	2020-09-30	IDENTITY VERIFICATION METHOD AND COMPUTER DEVICE EMPLOYING THE SAME	YOUNG-WAY LIU; CHENG-YOU HSIEH; JUNG-YI LIN;	
2,883	20220405748	2020-09-29	CALL-BACK MECHANISMS FOR BLOCKCHAIN TRANSACTIONS	Steven COUGHLAN; Ambrose SRAHA; Dulan WEERASIN-HA; Andrew MEE;	
2,884	20220343025	2020-09-29	PROCESS FOR MANAGING THE RIGHTS AND ASSETS OF A USER ON A BLOCKCHAIN	José Luu; Cyril Vignet;	
2,885	20220100733	2020-09-29	TRANSACTION REORDERING IN BLOCKCHAIN	Yoav Tock; Hagar Meir; Artem Barger; Yacov Manevich;	
2,886	20210182518	2020-09-29	PRODUCT ANTI-COUNTERFEITING METHOD AND SYSTEM BASED ON MATERIAL SIGNATURE BLOCKCHAIN	Jiewu LENG; Man ZHOU; Qiang LIU; Longzhang LI; Jianbo JING; Shide YE; Zhangyi WANG;	
2,887	20210103938	2020-09-29	METHODS AND SYSTEMS FOR AUTHENTICATING PHYSICAL PRODUCTS VIA NEAR FIELD COMMUNICATION TAGS AND RECORDING AUTHENTICATION TRANSACTIONS ON A BLOCKCHAIN	Lukasz Bulawski; David Geisser; Philipp Harbeke; Jeremy Smith;	
2,888	20220358472	2020-09-29	ARCHITECTURE FOR CREATING AN ELECTRONIC CURRENCY INTEROPERABLE BETWEEN A PLURALITY OF MONETARY INSTITUTIONS	José Luu; Cyril Vignet;	
2,889	20220391900	2020-09-25	TEE-BASED MINING POOLS FOR POW-CRYPTOCURRENCIES	Karl Wuest; Kari Kostiainen; Ghassan Karame; Srdjan Capkun;	
2,890	20210012332	2020-09-25	AUTONOMOUS EXCHANGE VIA ENTRUSTED LEDGER DIGITAL SIGNATURE	Benedict Ow; Richard Stiles; Anthony Tan;	
2,891	20220343293	2020-09-24	FLUOROCARBON MANAGEMENT SYSTEM, MANAGEMENT NODE AND FLUOROCARBON MANAGEMENT METHOD	Takafusa MIURA; Shinya INUGA;	
2,892	20220092056	2020-09-23	TECHNOLOGIES FOR PROVIDING PREDICTION-AS-A-SERVICE THROUGH INTELLIGENT BLOCKCHAIN SMART CONTRACTS	Archana Sekar; Javier Villalobos; Yochai Konig;	
2,893	20220092686	2020-09-23	TECHNOLOGIES FOR DATA BIDDING AND NEGOTIATING IN AN ENTERPRISE SYSTEM USING A PERMISSIONED BLOCKCHAIN INFRASTRUCTURE	Archana Sekar; Javier Villalobos; Yochai Konig;	
2,894	20220094524	2020-09-23	TECHNOLOGIES FOR CONDUCTING A DATA TRANSACTION BETWEEN ENTERPRISES USING A PERMISSIONED BLOCKCHAIN INFRASTRUCTURE	Archana Sekar; Javier Villalobos; Yochai Konig;	
2,895	20210099772	2020-09-23	SYSTEM AND METHOD FOR VERIFICATION OF VIDEO INTEGRITY BASED ON BLOCKCHAIN	Wan LEE; Hyoun PARK;	Rainbow Brain CO., LTD.;
2,896	20210367762	2020-09-23	OFF-CHAIN DATA SHARING SYSTEM AND METHOD THEREOF	Sang BAE; Ji KIM; Sang KANG; Han SEO;	
2,897	20230316241	2020-09-18	PARTITIONING A REQUEST INTO TRANSACTIONS FOR A BLOCKCHAIN	Craig WRIGHT; Owen VAUGHAN; Chloe TARTAN; Wei ZHANG;	
2,898	20220405747	2020-09-18	COMPUTER-IMPLEMENTED SYSTEM AND METHOD	Steven COUGHLAN; Ambrose SRAHA; Dulan WEERASIN-HA;	
2,899	20230004967	2020-09-17	TIME-LOCKED BLOCKCHAIN TRANSACTIONS AND RELATED BLOCKCHAIN TECHNOLOGY	Jack DAVIES; Wei ZHANG; Craig WRIGHT;	
2,900	20220405752	2020-09-17	TIME-LOCKED BLOCKCHAIN TRANSACTIONS AND RELATED BLOCKCHAIN TECHNOLOGY	Jack DAVIES; Wei ZHANG; Craig WRIGHT;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,901	20210006561	2020-09-17	PERMISSIONS USING BLOCKCHAIN	Ashish Sardesai; Dante Pacella; Sonit Mahey;	
2,902	20210081406	2020-09-16	BLOCKCHAIN NETWORK	Daehyun KWON; Gwangho SHIN; Myoung SONG;	
2,903	20210263910	2020-09-15	DATA STORAGE METHOD AND APPARATUS FOR BLOCKCHAIN, DEVICE, AND MEDIUM	Wei XIAO;	
2,904	20220083537	2020-09-14	ENSURING SECURE PROVISIONING OF BLOCKCHAIN INFRASTRUCTURE	Abhishek Malvankar; Jeronimo Irazabal; Nitin Gaur;	
2,905	20220084422	2020-09-14	SYSTEM AND METHOD FOR DETERMINING FLEET WIDE INTEGRITY UTILIZING BLOCKCHAIN METHODOLOGY	Mark Ahlbrecht; Milos Vesely; Radek Baranek;	Honeywell International Inc.;
2,906	20200406455	2020-09-14	SECURE DISTRIBUTED SYSTEM USING BLOCKCHAIN FOR SELF-POLICING OF AUTONOMOUS AGENTS	SYED MOHAMMAD AMIR HUSAIN; SYED ALI; TAYLOR SCHMIDT;	
2,907	20220083507	2020-09-13	TRUST CHAIN FOR OFFICIAL DATA AND DOCUMENTS	Sheryl Crowell;	
2,908	20210166230	2020-09-11	Cryptocurrency and Proof of Payment Protocol	Marshall Hayner;	Metallicus, Inc.;
2,909	20220076250	2020-09-10	BLOCKCHAIN ENABLED SMART COMPLIANCE	Nitin Gaur; Petr Novotny; Timothy Olson; MALAVAN BALANAVANEETHAN;	
2,910	20210097528	2020-09-10	BLOCKCHAIN HOT WALLET BASED ON SECURE ENCLAVE AND MULTI-SIGNATURE AUTHORIZATION	Rui Wang;	
2,911	20210081430	2020-09-08	SYSTEM AND METHOD FOR MANAGING A ROLE-BASED BLOCKCHAIN NETWORK	Kirill Ivkushkin; Vladimir Stepanov; Pavel Kirillov; Andrei Zhulin;	
2,912	20210073754	2020-09-08	METHOD AND SYSTEM TO EXECUTE AND RECORD TRANSACTIONS FOR A KEY-BOX IN A BLOCKCHAIN	Ramesh LINGALA; Gowthami Vuradi;	
2,913	20210073796	2020-09-08	METHOD OF SELECTIVE AUTHENTICATION OF A BLOCKCHAIN USER WITH A SMART CONTRACT	Christine HENNEBERT; Thomas DUVERNEY;	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES;
2,914	20210092060	2020-09-08	DECENTRALIZED CONTENT FABRIC	Michelle Munson; Serban Simu;	
2,915	20220068133	2020-09-07	METHOD FOR MANAGING DRIVING RECORD OF VEHICLE ON BASIS OF BLOCKCHAIN NETWORK, AND DEVICE AND SYSTEM FOR PERFORMING SAME	Ju BACK; Dong LEE;	QUANTUM GATE INC.;
2,916	20220368539	2020-09-04	COMPUTER IMPLEMENTED METHOD AND SYSTEM FOR STORING CERTIFIED DATA ON A BLOCKCHAIN	Craig WRIGHT; Chloe TARTAN; Alexander MACKAY;	
2,917	20210089422	2020-09-04	SYSTEM AND METHOD FOR SERVERLESS COMPUTING BASED ON BLOCKCHAIN	Min KIM; Dong SEO; Seong YUN; Young YOO;	
2,918	20200403778	2020-09-04	Dynamic blockchain system and method for providing efficient and secure distributed data access, data storage and data transport	James Carson; Ryuta Makino; Susan Glenn-Joseph;	
2,919	20210192545	2020-09-02	SYSTEM AND METHOD FOR PROVIDING AN AUTOMATED TRADE TRANSACTION USING BLOCKCHAIN TECHNOLOGY	Christopher Floersch;	
2,920	20220052839	2020-09-02	RECORDING DATA ASSOCIATED WITH AN UNMANNED AERIAL VEHICLE	SYED ALI; LOWELL DUKE; ZEHRA AKBAR; SYED MOHAMMAD AMIR HUSAIN;	

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2,921	20230316272	2020-09-01	DIVISIBLE TOKENS	Wei ZHANG; Craig WRIGHT;	
2,922	20220069977	2020-08-31	REDACTABLE BLOCKCHAIN	Yacov Manevich; ARTEM BARGER; Hagar Meir;	
2,923	20220068503	2020-08-31	Web-Based Personalized Health Management System	Michael Yuz;	USARAD HOLDINGS, INC.;
2,924	20210049652	2020-08-31	DETERMINATION AND ASSOCIATION OF TRUE FLOW STATES	Suzanne Brown;	
2,925	20240104555	2020-08-31	USER-CONTROLLED CURRENCY CONVERSION SYSTEM AND METHOD	Dan Biggs; Scott Brown; Charles Jennings;	
2,926	20230230027	2020-08-28	METHOD AND APPARATUS FOR SIGN-BILL RETURN BASED ON BLOCKCHAIN, DEVICE AND READABLE STORAGE MEDIUM	Qing CONG; Zhenhui WANG; Wenming ZHE; Xiaoqiang QIAO;	
2,927	20220067028	2020-08-28	TRUSTLESS OPERATIONS FOR BLOCKCHAIN NETWORKS	Jeronimo Irazabal;	
2,928	20220405384	2020-08-28	BLOCKCHAIN-BASED METHOD AND SYSTEM FOR SECURING A NETWORK OF VIRTUAL WIRELESS BASE STATIONS	Jeffrey Courington; Francesco Foresta; Vishal Agrawal;	
2,929	20220051192	2020-08-28	DOCUMENT, DRIVE AND PROCESS MANAGEMENT FOR CONTRACT OF THINGS AND DOCUMENT OF THINGS	Chao CHENG-SHORLAND; Amir ALISHAHI;	
2,930	20210192441	2020-08-27	Goods IOT and System Based on Blockchain	Xuezhi Zhang;	
2,931	20200396082	2020-08-27	TECHNIQUES TO INCENTIVIZE A BLOCKCHAIN NETWORK TO PRIORITIZE STATE CHANGES	Benjamin Roberts; Brett Bergmann;	
2,932	20230370279	2020-08-27	TERMINAL DEVICE, DATA MANAGEMENT DEVICE, MANAGEMENT SYSTEM, PROCESSING METHOD, AND NON-TRANSITORY COMPUTER-READABLE MEDIUM STORING A PROGRAM	Kentaro Ito;	NEC Corporation;
2,933	20200394729	2020-08-27	METHOD AND APPARATUS FOR REAL TIME, DYNAMIC MANAGEMENT OF REAL ESTATE FINANCE, SERVICES, AND REPORTING	James Strnad, II;	
2,934	20230053590	2020-08-26	BLOCKCHAIN DATA SEARCH METHOD	Ho Shin;	
2,935	20220069986	2020-08-25	MULTI-PARTY COMPUTATION FOR TIME-RELEASED BLOCKCHAIN	Arnab ROY; Hart MONTGOMERY;	FUJITSU LIMITED;
2,936	20230046315	2020-08-24	MAPPING KEYS TO A BLOCKCHAIN OVERLAY NETWORK	Jack DAVIES; Craig WRIGHT;	
2,937	20220068132	2020-08-24	METHOD FOR MANAGING TRANSPORT ON BASIS OF BLOCKCHAIN NETWORK, AND DEVICE AND SYSTEM FOR PERFORMING SAME	Ju BACK;	QUANTUM GATE INC.;
2,938	20220058282	2020-08-24	SYSTEMS AND METHODS FOR ACCESSING DIGITAL ASSETS IN A BLOCKCHAIN USING GLOBAL CONSENT CONTRACTS	Frank Ricotta, JR; Brian Jackson; Tyson Henry; Amber Hartley;	
2,939	20200387503	2020-08-24	Blockchain Maintenance Method and Apparatus, Server, and Computer-Readable Storage Medium	Yu Zhang; Ziyi Zhang; Zechao Meng; Yue Yu;	
2,940	20200389309	2020-08-24	SYSTEMS AND METHODS FOR ACCESSING DIGITAL ASSETS IN A BLOCKCHAIN USING OWNER CONSENT CONTRACTS	Frank Ricotta; Brian Jackson; Tyson Henry; Amber Hartley;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,941	20220358189	2020-08-21	STORING A PROGRAM ON A BLOCKCHAIN	Brock DOIRON; Craig WRIGHT;	
2,942	20230007032	2020-08-21	BLOCKCHAIN-BASED HOST SECURITY MONITORING METHOD AND APPARATUS, MEDIUM AND ELECTRONIC DEVICE	Dezhuang KONG; Shihui NAN; Yang WANG;	BEIJING JINGDONG QIANSHI TECHNOLOGY CO., LTD.;
2,943	20220059204	2020-08-21	SYSTEM AND METHOD FOR SECURE MONITORING AND DELIVERY OF MEDICATIONS	Umayal Swarnam; Lars Johnson; Michael Iapalucci;	AT&T Intellectual Property I, L.P.; AT&T Intellectual Property II, L.P.;
2,944	20210055442	2020-08-21	AI/ML, DISTRIBUTED COMPUTING, AND BLOCKCHAINED BASED RESERVOIR MANAGEMENT PLATFORM	Keshava Rangarajan; Raja Vikram R Pandya; Srinath Madasu; Shashi Dande;	
2,945	20210056447	2020-08-21	AI/ML, DISTRIBUTED COMPUTING, AND BLOCKCHAINED BASED RESERVOIR MANAGEMENT PLATFORM	Keshava Rangarajan; Raja Vikram R Pandya; Srinath Madasu; Shashi Dande;	
2,946	20220224648	2020-08-20	METHOD FOR BALANCING CROSS-DOMAIN BROADCAST NETWORK LOAD OF BLOCKCHAIN, COMPUTER DEVICE, AND NON-TRANSITORY COMPUTER-READABLE STORAGE MEDIUM	Wei LI; Weiwei QIU; Maifang HU; Fanglei HUANG; Shuai ZHANG;	Hangzhou Qulian Technology Co., Ltd.;
2,947	20220116218	2020-08-20	SELECTIVE VERIFICATION SYSTEM OF ZERO-KNOWLEDGE PROOFS FOR SCALABILITY OF BLOCKCHAIN AND METHOD THEREOF	Jaecheol RYOU; Junhoo PARK; Geunyoung KIM; Hyeokjin KIM;	
2,948	20220417253	2020-08-20	SYSTEM AND METHOD FOR MANAGING DATA OF AN AUTOMATION FIELD DEVICE IN A SECURE MANNER AGAINST MANIPULATION	Marc Baret; Eric Birgel; Benedikt Schumann; Simon Merklin; Volker Frey;	
2,949	20220058734	2020-08-20	SYSTEM AND METHOD FOR SECURE ANONYMOUS PAYMENT PROCESSING OF VIRTUAL ASSETS OR SERVICES	Mark Vick;	
2,950	20220337437	2020-08-19	BLOCKCHAIN TRANSACTIONS INCLUDING PORTIONS OF CODE IN DIFFERENT LANGUAGES FOR COMPLEX VALIDATION	Brock DOIRON; Craig WRIGHT;	
2,951	20220345314	2020-08-19	Genetic Data in Transactions	Brock DOIRON; Craig WRIGHT;	
2,952	20200382326	2020-08-19	DIGITAL CERTIFICATE VERIFICATION METHOD AND APPARATUS, COMPUTER DEVICE, AND STORAGE MEDIUM	Rui GUO; Maocai LI; Jianjun ZHANG; Zhen ZENG;	
2,953	20240089087	2020-08-19	ONE-TIME PAD ENCRYPTION SYSTEM AND METHOD	William Ragan;	
2,954	20220405749	2020-08-18	ALLOCATION OF A DIGITAL ASSET USING BLOCKCHAIN TRANSACTIONS	Chloe TARTAN; Craig WRIGHT;	
2,955	20220309504	2020-08-18	MULTI-CRITERIA BLOCKCHAIN PROTOCOL	Daniel JOSEPH; Andrew MEE; Craig WRIGHT;	
2,956	20220058637	2020-08-18	BLOCKCHAIN BASED BANK CHECKING NETWORK	Jun Yan;	
2,957	20230298009	2020-08-18	RAPID CRYPTOCURRENCY TRANSACTION PROCESSING	Yuexi Chen; Benjamin Price;	Visa International Service Association;
2,958	20220058700	2020-08-18	DIGITAL ASSET PRICE REGULATION SYSTEM USING DISTRIBUTED LEDGER TRANSACTION PROCESSING REWARDS	Alev Karasulu; Sally Khudairi;	OptDyn, Inc.;
2,959	20220343310	2020-08-17	WIRELESS POWERED TRANSACTION SYSTEMS AND METHODS	Haroon Oqab; George Dietrich;	
2,960	20230259961	2020-08-14	METHOD FOR PROCESSING DRINKING EVENTS AND SYSTEM TO BE USED FOR THIS METHOD	Francesco ABBATE; Eduardo ATAMOROS VON DER ROSEN; Pierandrea QUARTA;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,961	20220050825	2020-08-14	BLOCK CHAIN BASED MANAGEMENT OF AUTO REGRESSIVE DATABASE RELATIONSHIPS	Suki Ramasamy; Thilaga Kannappan; Suganya Markandan; Kalpana Rajashekar; Anusha Balasubramanian; Vishnurupa N R; Deve Nair;	
2,962	20220051129	2020-08-14	BLOCKCHAIN-ENABLED MODEL DRIFT MANAGEMENT	Abhishek Malvankar; Shikhar Kwatra; Jeronimo Irazabal; Carlos Fonseca;	
2,963	20200374126	2020-08-14	METHOD FOR STORING AN OBJECT ON A PLURALITY OF STORAGE NODES	Ghassan Karame;	
2,964	20220052836	2020-08-12	SYSTEMS AND METHODS FOR SECURELY PROCESSING ENVIRONMENTAL EXPOSURE INFORMATION	David Kosecoff;	L'Oreal;
2,965	20210224801	2020-08-11	METHOD AND DEVICE FOR PREVENTING A DOUBLE SPEND ATTACK	SHIH WANG;	
2,966	20210042748	2020-08-07	BLOCKCHAIN-BASED SECURE RESOURCE MANAGEMENT	Marc Sepulveda; Kenneth Zakalik; Brandon Thornburg;	American Lebanese Syrian Associated Charities, Inc.;
2,967	20220043891	2020-08-06	SYSTEM AND METHOD FOR PROCESSING COPYRIGHT AND PROFIT DISTRIBUTION OF CLOTHES FASHION DESIGN USING BLOCKCHAIN	Ji-Tae HA;	D3D Co., Ltd.;
2,968	20220284011	2020-08-05	DISTRIBUTED BLOCKCHAIN TRANSACTION SYSTEM	Yuming QIAN; Francois DUMAS; Patricia POPERT-FORTIER; Jean-Philippe BEAUDET;	ZEU TECHNOLOGIES, INC.;
2,969	20220043441	2020-08-05	BLOCKCHAIN-BASED FAILSAFE MECHANISMS FOR AUTONOMOUS SYSTEMS	Ian Yuan Yuan Huang; Geoffrey Lap Fai Yuen;	
2,970	20220044316	2020-08-04	BLOCKCHAIN IMPLEMENTED TRANSFER OF MULTI-ASSET DIGITAL WALLETS	Nitin Gaur; Jeronimo Irazabal; Petr Novotny;	
2,971	20220035693	2020-08-03	BLOCKCHAIN MANAGEMENT OF PROVISIONING FAILURES	Jing Jiang; Li Zhang; Li Chen; Yu Zhao; Wen Zhao; Lan Luo; Li Jiang;	
2,972	20220303122	2020-08-02	SYSTEM AND METHOD OF CRYPTOGRAPHIC KEY MANAGEMENT IN A PLURALITY OF BLOCKCHAIN BASED COMPUTER NETWORKS	Tal BE'ERY; Ouriel OHAYON; Omer SHLOMOVITS; Gary BENATTAR;	ZENGO LTD;
2,973	20230306344	2020-07-31	INFORMATION MANAGEMENT APPARATUS, INFORMATION MANAGEMENT METHOD, AND PROGRAM	Tsuyoshi Toyoshima; Kensuke TAKAHASHI;	
2,974	20220294804	2020-07-31	METHOD FOR CREATING AN ELECTRONIC MESSAGE THE INTEGRITY OF WHICH IS GUARANTEED AND VERIFIABLE ACCORDING TO THE MIME STANDARD	Franck DAMMANN;	
2,975	20220038260	2020-07-30	VALIDATING RECEIVED SENSOR DATA USING COMPUTER CRYPTOGRAPHIC PROCESSING	Al Chakra; Bryce Frey; Komal Shrivastava; Jonathan Erskine; Matthew Fletcher;	
2,976	20220038288	2020-07-30	VALIDATING TRACKED PORTIONS OF RECEIVED SENSOR DATA USING COMPUTER CRYPTOGRAPHIC PROCESSING	Al Chakra; Lama Chakra; Bryce Frey; Latrell Freeman;	
2,977	20220038257	2020-07-29	PARALLEL PROCESSING OF BLOCKCHAIN PROCEDURES	Qi Zhang; Petr Novotny; Lei Yu;	
2,978	20220036323	2020-07-28	ELECTRONIC WALLET ALLOWING VIRTUAL CURRENCY EXPIRATION DATE	Yu Sasaki; GOYA SAKURADA; HIROSHIGE TAKEUCHI; MASATO TAKAI; MIKIO KURIHARA;	
2,979	20220036346	2020-07-28	SYSTEMS AND METHODS FOR RE-ORGANIZING BLOCKCHAINS FOR EFFICIENT OPERATIONS	Shamim Naqvi; Robert Raucci; Goutham Puppala;	
2,980	20220036455	2020-07-28	SELECTION OF CRYPTOGRAPHIC IDENTIFIERS IN A BLOCK	Sheldon Bennett; Adrian Glover; James Stafford-Coyte;	

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#	Pub. No	Filed	Title	Inventors	Assignees
2,981	20220038853	2020-07-28	DIGITAL PASSPORT WITH VERIFIED DATA PROVENANCE	Brandon Sloane; Aarron Gull; Harvey Summers; Gilbert Gatchalian; Vijaya Vemireddy;	
2,982	20210035246	2020-07-28	INTELLECTUAL PROPERTY ASSET MANAGEMENT SYSTEM USING DISTRIBUTED LEDGER TECHNOLOGY	Jimmy Schouppe; Mario Lewin; Jürgen Schouppe;	
2,983	20200358597	2020-07-28	BLOCKCHAIN-BASED DATA PROCESSING	Haibin Wang; Xiaotian Wang; Fan Zhou;	Alibaba Group Holding Limited;
2,984	20220027319	2020-07-27	DATA DEDUPLICATION IN BLOCKCHAIN PLATFORMS	Krishnasuri Narayanam; Ken Kumar; Akshar Kaul; Pankaj Dayama;	
2,985	20220337585	2020-07-27	DATA RECORDING DEVICE AND METHOD	Katsuhiko ISHIDA;	NEC Corporation;
2,986	20210044440	2020-07-25	Blockchain-based clinical trial management	Jebril Filali;	
2,987	20210027404	2020-07-24	SYSTEM AND METHOD OF REPUTATION MANAGEMENT AND CONTRACT MONITORING USING BLOCKCHAIN	Alejandro de Bold;	Hatch Digital Inc.;
2,988	20200357005	2020-07-24	BLOCKCHAIN LEDGER-BASED EVIDENCE ACQUISITION METHOD AND SYSTEM	Xinying YANG;	
2,989	20200357085	2020-07-24	METHOD AND APPARATUS FOR IDENTIFYING AUTHENTICITY OF TWO PARTIES? EVIDENCE BASED ON BLOCKCHAIN LEDGER	Xinying YANG;	
2,990	20220278854	2020-07-24	Unity Protocol Consensus	Joshua Tobkin; Jonathan Jones;	
2,991	20220027348	2020-07-24	CROSS-SHARD PRIVATE ATOMIC COMMIT	Yacov Manevich; Hagar Meir; ARTEM BARGER;	
2,992	20220027490	2020-07-24	GAN-BASED DATA OBFUSCATION DECIDER	Safia Rahmat; Martin Otto;	
2,993	20220027803	2020-07-24	SUSTAINABLE TOKENS FOR SUPPLY CHAIN WITH PRIVACY PRESERVING PROTOCOL	Jeronimo Irazabal; Mariela Lanza;	
2,994	20220028005	2020-07-24	MUTUAL INSURANCE DECENTRALIZED AUTONOMOUS FUNDS	Viet Le;	
2,995	20220027315	2020-07-23	METHOD OF SYNCHRONOUS DELETION FOR DISTRIBUTED STORAGE SYSTEM	LO-YAO YEH; PEGGY LU; CHIA-HSIEN HUNG;	
2,996	20220019901	2020-07-20	MANAGING DISTRIBUTED LEDGER STORAGE SPACE	AHMED MOHAMED ABBAS MOHAMED SALEH; Karen Medhat Yousry Fahmy Beshara; Labib Labib Hanna Saad;	
2,997	20210073804	2020-07-20	SYSTEM AND METHOD OF NON-CRYPTOGRAPHIC IMMUTABLE DISTRIBUTED LEDGER TECHNOLOGY FOR SENDING AND RECEIVING MULTIPLE ASSETS INCLUDING FIAT CURRENCIES	Dan Kikinis;	
2,998	20200349563	2020-07-17	ZERO-KNOWLEDGE MULTI-ACCOUNT-BOOK EXCHANGE TRANSFER METHOD AND APPARATUS BASED ON BLOCKCHAIN, AND STORAGE MEDIUM	Frank Yifan Chen Lu; Mu Jia; Danli Xie;	
2,999	20210020285	2020-07-16	BLOCKCHAIN AND CLOUD-BASED HEALTHCARE MANAGEMENT (EXPERT) SYSTEM	Michael Hall;	
3,000	20220261806	2020-07-14	INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND PROGRAM	Taizo SHIRAI; Eiji KAMINO;	SONY GROUP CORPORATION;

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#	Pub. No	Filed	Title	Inventors	Assignees
3,001	20210133747	2020-07-13	SYSTEMS AND METHODS FOR AUTHENTICATION USING A DYNAMIC PERSONAL IDENTIFICATION NUMBER	Eric Classen; Mark Rodriguez;	
3,002	20230244481	2020-07-10	BLOCKCHAIN MICROPROCESSOR AND METHOD	Alex STUART;	
3,003	20220156067	2020-07-10	BLOCKCHAIN MICROPROCESSOR AND METHOD	Alex STUART;	
3,004	20220261461	2020-07-09	SECURE RESOURCE MANAGEMENT TO PREVENT FRAUDULENT RESOURCE ACCESS	Rajkumar BONDUGULA; Michael MCBURNETT;	
3,005	20210036855	2020-07-08	TRANSFERING TOKENS BETWEEN BLOCKCHAIN NETWORKS	ROBERT KLENIEWSKI; Karolina Marzantowicz; PIOTR GODOWSKI;	
3,006	20220292621	2020-07-07	Method and Apparatus For Processing Carbon Emission Reduction Data, and Computer Readable Storage Medium	Xinli TIAN;	
3,007	20210012443	2020-07-07	SYSTEM AND METHOD FOR BLOCKCHAIN-BASED PROPERTY RENOVATION FUNDING INSPECTION AND SALE	John Davison;	
3,008	20220004647	2020-07-06	BLOCKCHAIN IMPLEMENTATION TO SECURELY STORE INFORMATION OFF-CHAIN	Alex Casella; Bonnie Ishiguro; Zhou Lu; Woong Yoon;	
3,009	20210133790	2020-07-06	Marketing Based Privacy Credits Using Conventional and Distributed Ledger Technology	Gregory Manning; Lauren Manning;	
3,010	20200336299	2020-07-04	METHOD AND SYSTEM FOR MANAGING DECENTRALIZED DATA ACCESS PERMISSIONS THROUGH A BLOCKCHAIN	Jonathan Callan; Keir Finlow-Bates;	
3,011	20220261798	2020-07-03	Computer-Implemented System and Method for Facilitating Transactions Associated with a Blockchain Using a Network Identifier for Participating Entities	Craig WRIGHT; Jack DAVIES; Jad WAHAB;	
3,012	20210398091	2020-07-02	SYSTEMS AND METHODS FOR STREAMLINING CREDIT AND/OR DEBIT CARD TRANSACTIONS UTILIZING BLOCKCHAIN SUPPORTED CREDIT TOKENS AND/OR DEBIT TOKENS	Jun Yan;	
3,013	20210398104	2020-07-02	SYSTEMS AND METHODS FOR STREAMLINING CREDIT AND/OR DEBIT CARD TRANSACTIONS UTILIZING BLOCKCHAIN SUPPORTED CREDIT TOKENS AND/OR DEBIT TOKENS	Jun Yan;	
3,014	20210110384	2020-07-02	Ad Hoc Neural Network for Proof of Wallet	Thomas Vikstrom; Jason Belich;	
3,015	20210004796	2020-07-02	Graph Re-write Using Ghost Nodes for Target Value Rebalancing	Patrick Dugan; Daniel Pizarro; Lihki Rubio;	
3,016	20220004984	2020-07-01	Industry workflow of distributed manufacturing, incorporating OEM part manufacturing outsourcing, web workflow coupled with real-world workflow integrations and distributed ledger technology functionality.	Jeremiah Goodwin;	SyncFab Co.;
3,017	20200333765	2020-07-01	SUBSCRIPTION-BASED SERVICES USING INDUSTRIAL BLOCKCHAINS	Tim Biernat; Juergen Weinhofer; Sharath Chander Reddy Baddam; Douglas Reichard; Subbian Govindaraj;	
3,018	20200387896	2020-06-30	Blockchain	Bao Tran; Ha Tran;	
3,019	20230109369	2020-06-26	FIRST COPYRIGHT HOLDER AUTHENTICATION SYSTEM USING BLOCKCHAIN, AND METHOD THEREFOR	Kang KIM;	BRAINCOLLA INC.;
3,020	20200412525	2020-06-26	BLOCKCHAIN FILESYSTEM	William Katsak; James Barry;	GRID7 LLC d/b/a TAEKION;

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#	Pub. No	Filed	Title	Inventors	Assignees
3,021	20220207451	2020-06-26	MANAGEMENT DEVICE, MANAGEMENT SYSTEM, MANAGEMENT METHOD, AND RECORDING MEDIUM	Kitahiro KANEDA;	
3,022	20220360457	2020-06-25	A METHOD FOR MANAGING DATA AND STORING THEM IN BLOCKCHAIN	Luca BRAVO; Antonio MOLINARI; Alfredo REBOA;	
3,023	20220278859	2020-06-25	DIGITAL CONTRACTS USING BLOCKCHAIN TRANSACTIONS	Alexander MACKAY; Craig WRIGHT;	
3,024	20210019745	2020-06-25	METHOD FOR VERIFYING A TRANSACTION IN A BLOCKCHAIN DATABASE	Hervé CHABANNE;	
3,025	20210406394	2020-06-25	PRE-REGISTRATION OF SECURE TRAVEL INFORMATION	Albena Fairchild; Daniel Doherty;	
3,026	20220253852	2020-06-24	System and method for processing payment transactions via blockchain network	Ching WU; Chih WANG;	
3,027	20210406887	2020-06-24	METHOD AND SYSTEM FOR MERCHANT ACCEPTANCE OF CRYPTOCURRENCY VIA PAYMENT RAILS	Srinath Ravinathan; Donghao Huang;	MASTERCARD ASIA/PACIFIC PTE. LTD.;
3,028	20210398105	2020-06-22	SMART CONTRACT OF A BLOCKCHAIN FOR MANAGEMENT OF CRYPTOCURRENCIES	Eyal Hertzog; Yehuda Levi; Guy Ben Artzi; Barak Manos; Asaf Shachaf;	Bprotocol Foundation;
3,029	20200401996	2020-06-22	INTEGRATED AGRICULTURE INFORMATION AND MANAGEMENT SYSTEM, AND METHODS OF USING THE SAME	Venkatesh VADLAMUDI;	
3,030	20210217023	2020-06-21	Secure financial settlement method and system of block chain	Yu Zhou;	
3,031	20200402624	2020-06-19	Electronic Healthcare Record Data Blockchain System	Ronald Austring; Kenneth Hill, SR; Brad Crosslin; Clinton Ferguson, III;	Electronic Health Record Data, Inc.;
3,032	20210398093	2020-06-19	METHOD AND SYSTEM FOR PAYMENT INTEGRATION WITH PROVENANCE SUPPLY CHAIN EVENTS	Susan Lynch; Leandro Nunes Da Silva Carvalho; Bella Wu; Paul Taylor; Robert Collins; Deborah Barta;	MASTERCARD INTERNATIONAL INCORPORATED;
3,033	20210398395	2020-06-18	Blockchain based voting system for live competitions	Jahmeke Rodriquez;	
3,034	20200394671	2020-06-17	APPARATUS AND METHOD FOR TOKENIZED PEER RECOGNITION FACTORING-IN SOCIAL BEHAVIOR	EROZAN KURTAS; BULENT OZEL;	
3,035	20210354855	2020-06-16	METHOD FOR FLIGHT DATA RECORDING OF UNMANNED AERIAL VEHICLE USING BLOCKCHAIN TECHNOLOGY AND APPARATUS FOR THE SAME	Kyeong-Ho KIM; Deokjin KIM; Sangwook LEE;	
3,036	20230246853	2020-06-16	METHOD AND APPARATUS FOR BLOCKCHAIN-AWARE MOBILE VEHICLE COMMUNICATION	Haiming Wang; Xin Guo;	Lenovo (Beijing) Ltd.;
3,037	20210390549	2020-06-15	SYSTEMS AND METHODS FOR BUILDING BLOCKCHAINS FOR VERIFYING ASSETS FOR SMART CONTRACTS	Jeffrey RULE; Abdelkader BENKREIRA; Rajko ILINCIC; William CARROLL;	
3,038	20220284524	2020-06-11	BLOCKCHAIN BASED REAL ESTATE REGISTRY	Irene CAMERON; Conner CAMERON; Karim SULTAN; Umar RUHI;	
3,039	20220237628	2020-06-10	BLOCKCHAIN TRACKING OF CARBON CREDITS FOR MATERIALS WITH SEQUESTERED CARBON	Scott Wollack; Patrick Curran; Evan Creelman; Markus Herrema;	
3,040	20200302533	2020-06-07	BLOCKCHAIN-BASED EXCHANGE METHOD AND APPARATUS FOR AVAILABLE RESOURCE QUOTAS	Xinying YANG;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,041	20210382860	2020-06-05	METHODS FOR MONITORING A BLOCKCHAIN BASED ON SCHEMATIZED TRANSACTIONS AND DEVICES THEREOF	Aaron Newman; Jason Ruckman; Angus Davis;	
3,042	20220353080	2020-06-05	COLOSSEUM, A SCALABLE AND BYZANTINE-FAULT TOLERANT CONSENSUS MECHANISM FOR PERMISSIONED SYSTEMS	Dharanipragada JANAKIRAM; hIMANSHU gupta;	
3,043	20200293516	2020-06-03	SYSTEM AND METHOD FOR DELETING NODE IN BLOCKCHAIN NETWORK	Guilu XIE; Ning XIA;	
3,044	20200380091	2020-06-01	METHOD, ELECTRONIC DEVICE, COMPUTER PROGRAM, AND SYSTEM FOR SECURE DATA SHARING USING BLOCKCHAIN NETWORK	Suchi BANSAL; Rohit BANSAL;	
3,045	20210374741	2020-06-01	COMPLIANCE CONTROLLER FOR THE INTEGRATION OF LEGACY SYSTEMS IN SMART CONTRACT ASSET CONTROL	Curtis Wood;	
3,046	20200380476	2020-06-01	Distributed Ledger Management System for Interest Bearing Digitized Fiat Currencies	Matthew Trudeau; Tony Acuna-Rohter; Anita Nikolich; Benedict Brady; Joseph McGlawn;	
3,047	20200294165	2020-06-01	BLOCKCHAIN-BASED ALLOCATION METHODS AND APPARATUSES	Xinying Yang;	Alibaba Group Holding Limited;
3,048	20210374696	2020-05-31	Public-Private Pegged Blockchains for Regulatory-Zone Restricted Whitebox Programmable Cellular Devices	Winnie Chau; Shashi Gowda; John Mulligan;	AT&T Global Network Services Hong Kong LTD; AT&T Mobility II LLC;
3,049	20200380482	2020-05-29	METHOD AND SYSTEM FOR IMPLEMENTING AN ELECTRONIC EXCHANGE FOR BILL PAY AND OTHER TRANSACTIONS VIA AN INTERBANK INFORMATION NETWORK (IIN)	Stephen HOFFMAN; Sejdo Radoncic; Tiffany Wan; Amy Leslie; John Biloz; Raghvendra Singh;	
3,050	20200294009	2020-05-29	BLOCKCHAIN-BASED STATE MACHINE MAINTENANCE	Longsheng Qing; Ge Jin; Zhen Sun; Xueqing Yang; Zhenzhong Meng; Yu Chu; Huaiyong Li;	Alibaba Group Holding Limited;
3,051	20200294048	2020-05-29	BLOCKCHAIN-BASED DATA VERIFICATION METHOD AND APPARATUS, AND ELECTRONIC DEVICE	Guojun YE;	Alibaba Group Holding Limited;
3,052	20200294100	2020-05-29	BLOCKCHAIN-BASED VIRTUAL RESOURCE DELIVERY AND CROWDFUNDING	Xinying Yang;	Alibaba Group Holding Limited;
3,053	20200294124	2020-05-29	BLOCKCHAIN-BASED METHOD, APPARATUS, AND DEVICE	Boyan JIA; Yanpeng LI;	
3,054	20200380512	2020-05-28	METHODS AND APPARATUS FOR CONTROLLING PIPELINE TRANSFERS UTILIZING A BLOCKCHAIN	Joseph Witkowski; Michelle Straley; Robert Trinnear;	The Energy Authority, Inc.;
3,055	20220301064	2020-05-28	SYSTEMS AND METHODS FOR ELECTRONICALLY GENERATING AND MANAGING EXCHANGE-TRADED NOTES FOR INSURANCE	Michael Kim;	
3,056	20210288791	2020-05-28	VALUABLES MANAGEMENT SYSTEM	Shinichi SUGIURA; Nobuyuki NAKAHARA; Mika ASANO;	SYSNA, Inc.;
3,057	20220239482	2020-05-27	METHOD FOR VERIFYING ACTIVITY INFORMATION BY MEANS OF BLOCKCHAIN	Hee-Won CHUNG; Sung-Yeol LEE;	
3,058	20210374125	2020-05-27	METHOD AND SYSTEM FOR IMPROVED CONSENSUS USING BOOTSTRAP RESAMPLING	Shubham KUMAR; Chandan GARG; Puneet VASHISHT;	MASTERCARD INTERNATIONAL INCORPORATED;
3,059	20200372014	2020-05-21	FULL-STACK SYSTEM AND METHOD FOR BLOCKCHAIN ANALYTICS	Yazan Boshmaf; Husam Al Jawaheri; Mashael Al Sabah;	
3,060	20220303258	2020-05-21	COMPUTER-IMPLEMENTED SYSTEM AND METHOD	Andrew MEE; Steven COUGHLAN;	

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3,061	20220219066	2020-05-20	BICYCLE SIMULATOR AND BLOCKCHAIN NETWORK SYSTEM USING SAME	Joong LEE;	REAL DESIGN TECH CO., LTD.;
3,062	20200372493	2020-05-20	Item Management Method, Blockchain Analysis Method and Computer System Using the Same	Chun-Kai Wang; Chung-Han Hsieh; Hsiu-An Teng; Chih-Yang Liu; Chun-Jen Chen; Jun-De Liao; Pei-Hsuan Weng; Zih-Hao Lin;	
3,063	20210365341	2020-05-20	LEDGER-BASED DEVICE HEALTH DATA SHARING	Bijoyendra Nath; Scott Warmka;	
3,064	20200372008	2020-05-20	Method for Determining Information Integrity and Computer System Using the Same	Chun Wang; Chung Hsieh; Hsiu Teng; Chih Liu;	
3,065	20220245355	2020-05-19	SYSTEM AND METHOD FOR USING A BLOCKCHAIN TO MANAGE KNOWLEDGE IN A HEALTHCARE ECOSYSTEM	Nathan GNANASAMBANDAM; Mark ANDERSON;	HEALTHPOINTE SOLUTIONS, INC.;
3,066	20230039066	2020-05-15	METHOD, APPARATUS, ADAPTER AND SYSTEM FOR CROSS-CHAIN DATA ACCESS OF BLOCKCHAIN	Ming ZHAO; Chao MA; Haibo SUN; Yi WANG;	JINGDONG TECHNOLOGY INFORMATION TECHNOLOGY CO., LTD.; JINGDONG TECHNOLOGY HOLDING CO., LTD.;
3,067	20230025449	2020-05-15	METHOD AND APPARATUS FOR DYNAMICALLY ADDING CONSENSUS NODE IN BLOCKCHAIN	Shuang ZHANG;	JINGDONG TECHNOLOGY INFORMATION TECHNOLOGY CO., LTD.;
3,068	20220245637	2020-05-15	SYSTEM AND METHOD FOR USING A BLOCKCHAIN TO MANAGE MEDICAL TRANSACTIONS BETWEEN ENTITIES IN A HEALTHCARE ECOSYSTEM	Nathan GNANASAMBANDAM; Mark ANDERSON;	HEALTHPOINTE SOLUTIONS, INC.;
3,069	20200374131	2020-05-15	METHOD AND SYSTEM FOR GENERALIZED PROVENANCE SOLUTION FOR BLOCKCHAIN SUPPLY CHAIN APPLICATIONS	Steven DAVIS; Rob BYRNE; Robert COLLINS; Deborah BARTA; Leandro NUNES DA SILVA CARVALHO;	MASTERCARD INTERNATIONAL INCORPORATED;
3,070	20220351122	2020-05-15	METHOD AND APPARATUS FOR ACQUIRING INVENTORY DATA, TERMINAL DEVICE AND COMPUTER-READABLE STORAGE MEDIUM	Yufeng SHI;	JINGDONG TECHNOLOGY INFORMATION TECHNOLOGY CO., LTD.;
3,071	20200364817	2020-05-14	MACHINE TYPE COMMUNICATION SYSTEM OR DEVICE FOR RECORDING SUPPLY CHAIN INFORMATION ON A DISTRIBUTED LEDGER IN A PEER TO PEER NETWORK	Ren LIU; Xu WANG; Guangsheng YU; John BAIRD;	
3,072	20220321360	2020-05-13	HASH FUNCTION ATTACKS	Jad WAHAB; Wei ZHANG; Brock DOIRON; Craig WRIGHT;	
3,073	20220239486	2020-05-13	KNOWLEDGE PROOF	Jad WAHAB; Craig WRIGHT; Wei ZHANG; Brock DOIRON;	
3,074	20210357801	2020-05-13	Securely Communicating And Customizing Artificial Intelligence Modules	Zhengping Ji; Rachid Alameh; Robert Witte;	Motorola Mobility LLC;
3,075	20200334667	2020-05-11	NOVEL MEANS AND METHODS FOR IMPLEMENTATION OF SECURE TRANSACTIONS	Asaf NAIM;	Newglobes Ltd.;
3,076	20200364183	2020-05-07	DEVICE AND METHOD FOR MANAGING LEDGER DATA ON BLOCKCHAIN	Ence Zhou; Bingfeng Pi; Jun Sun;	FUJITSU LIMITED;
3,077	20210350356	2020-05-07	SYSTEMS AND METHODS FOR COMPUTER GAME TOURNAMENT USING DIGITAL ASSETS STORED IN A DIGITAL ASSET WALLET	WYATT MUFSON; Ross Krasner;	RYU TECHNOLOGIES, INC.;
3,078	20200265009	2020-05-07	BLOCKCHAIN-BASED DATA MIGRATION METHOD AND APPARATUS	Xinying Yang; Shifeng Wang;	Alibaba Group Holding Limited;
3,079	20220092592	2020-05-05	Methods and Devices for Registering and Authenticating Miner Identity in a Blockchain Network	Craig WRIGHT; Alexander MACKAY; Wei ZHANG; Andrew MEE; Steven COUGHLAN;	
3,080	20220092593	2020-05-05	Methods and Devices for Recording Work History and Proving Reputation in a Blockchain Network	Craig WRIGHT; Alexander MACKAY; Wei ZHANG; Andrew MEE; Steven COUGHLAN;	

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3,081	20220094542	2020-05-05	METHODS AND DEVICES FOR PUBLIC KEY MANAGEMENT USING A BLOCKCHAIN	Craig WRIGHT; Wei ZHANG;	
3,082	20210342800	2020-05-04	SYSTEM AND METHOD FOR AUTOMATIC PAYMENT DISTRIBUTION USING LEAFBILL	Grace Tang;	
3,083	20200258159	2020-05-01	SYSTEM AND METHOD OF PROVIDING A CONTRACT-CREATOR APPLICATION	Adam STRADLING; Erik VOORHEES;	
3,084	20200267163	2020-04-30	Blockchain for Documents Having Legal Evidentiary Value	Kelce Wilson;	
3,085	20230196873	2020-04-29	Dealing Method, Game Method, Device, and Storage Medium	Zhiwen WANG; Sijin WU;	
3,086	20220405743	2020-04-29	Computer Implemented Method for Providing a Vehicle Service and Triggering a Process to Pay For the Vehicle Service, Software Program, and System	Felix KOHLBRENNER; Christian LOEBEL;	
3,087	20210327216	2020-04-29	PROCESS & METHOD FOR THE CREATION, MANAGEMENT & DISTRIBUTION OF WAGER-ENABLED GAMES & SKILLS CHALLENGES WITH A GAMING CONTRACTS ENGINE	Thomas Naramore; John Meng;	Dollar Dollar Dollar, Inc.;
3,088	20220217004	2020-04-28	SYSTEMS AND METHODS FOR NON-PARALLELISED MINING ON A PROOF-OF-WORK BLOCKCHAIN NETWORK	Craig WRIGHT; Jack DAVIES; Alexander MACKAY; Chloe TARTAN; Wei ZHANG;	
3,089	20200349554	2020-04-27	SYSTEMS, METHODS, AND STORAGE MEDIA FOR ASSIGNING USER-SPECIFIC BLOCKCHAIN MINING POOL DATA TO A COMPUTING DEVICE	Benjamin Simecka; Austin Simecka;	
3,090	20210044428	2020-04-24	BLOCKCHAIN-BASED PERSONAL INFORMATION MANAGEMENT APPARATUS AND METHOD	Jung-Yeon HWANG; Hyun-Ok OH; Seung-Hyun KIM; Soo-Hyung KIM; Jeong-Hyuk LEE;	
3,091	20200342965	2020-04-24	RESEARCH DATABASE	Hans GUDESEN;	
3,092	20200344046	2020-04-24	Product Tracking System and Method	Tom Lindeman;	
3,093	20220261805	2020-04-23	PROTOCOL FOR VALIDATING BLOCKCHAIN TRANSACTIONS	Chloe TARTAN; Bassem MAR; Jack DAVIES; Jad WAHAB; Wei ZHANG; Owen VAUGHAN; Craig WRIGHT;	
3,094	20200403775	2020-04-23	UNIVERSAL ELECTRONIC DOCUMENT VERIFICATION SYSTEM AND METHOD WITH BLOCKCHAIN	Chih-Kang Huang; Chih-Hsiang Hwang;	
3,095	20200338438	2020-04-23	BLOCKCHAIN GAME	MURTUZA JADIWALA; ANINDYA MAITI;	Board of Regents, The University of Texas System;
3,096	20200402623	2020-04-23	SYSTEM AND METHODS FOR RXTOKEN ECONOMICS	Underland Carl; Ugur Amet;	
3,097	20200259633	2020-04-23	DATA STORAGE AND VERIFICATION	Alexander GALLAGHER-LYNCH; Matthew DANGERFIELD;	
3,098	20220300257	2020-04-22	In-Script Functions Within a Blockchain Transaction	Chloe TARTAN; Bassem AMMAR; Jack DAVIES; Wei ZHANG; Owen VAUGHAN; Craig WRIGHT; Jad WAHAB;	
3,099	20220269810	2020-04-22	Using Blockchain Transactions to Provide Off-Chain Functionality	Chloe TARTAN; Bassem AMMAR; Jack DAVIES; Jad WAHAB; Wei ZHANG; Owen VAUGHAN; Craig WRIGHT;	
3,100	20220263664	2020-04-22	BLOCKCHAIN TRANSACTION COMPRISING RUNNABLE CODE FOR HASH-BASED VERIFICATION	Jad WAHAB; Wei ZHANG; Brock DOIRON; Craig WRIGHT;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
3,101	20220255992	2020-04-22	Malleability of Transactions for Inclusion in a Blockchain	Wei ZHANG; Craig WRIGHT; Jack DAVIES;	
3,102	20220239500	2020-04-22	BLOCKCHAIN TRANSACTION COMPRISING RUNNABLE CODE FOR HASH-BASED VERIFICATION	Jad WAHAB; Wei ZHANG; Brock DOIRON; Owen VAUGHAN; Craig WRIGHT;	
3,103	20220216997	2020-04-22	VERIFICATION OF DATA FIELDS OF BLOCKCHAIN TRANSACTIONS	Jack DAVIES; Alex MACKAY; Craig WRIGHT;	
3,104	20210334769	2020-04-22	BLOCKCHAIN-BASED SUBSCRIBER DATA PROTECTION AND ACCESS	Darren Kress; Ahmad Obaidi;	
3,105	20220263669	2020-04-21	METHOD OF USING A SIDE CHANNEL	Wei ZHANG; Jack DAVIES; Craig WRIGHT;	
3,106	20220253821	2020-04-21	STREAMING PORTIONS OF DATA OVER A SIDE CHANNEL	Wei ZHANG; Jack DAVIES; Craig WRIGHT;	
3,107	20220239501	2020-04-21	KNOWLEDGE PROOF	Jad WAHAB; Wei ZHANG; Brock DOIRON; Craig WRIGHT;	
3,108	20220222661	2020-04-21	MULTI-INPUT TRANSACTIONS	Wei ZHANG; Jack DAVIES; Craig WRIGHT;	
3,109	20220012813	2020-04-20	BLOCKCHAIN SYSTEMS AND METHODS FOR PROVIDING INSURANCE COVERAGE TO AFFINITY GROUPS	Leif Roll; Eric Webster; Gregory Hayward; Craig Isaacs;	
3,110	20220012811	2020-04-20	BLOCKCHAIN SYSTEMS AND METHODS FOR PROVIDING INSURANCE COVERAGE TO AFFINITY GROUPS	Leif Roll; Eric Webster; Gregory Hayward; Craig Isaacs;	
3,111	20220012812	2020-04-20	BLOCKCHAIN SYSTEMS AND METHODS FOR PROVIDING INSURANCE COVERAGE TO AFFINITY GROUPS	Leif Roll; Eric Webster; Gregory Hayward; Craig Isaacs;	
3,112	20200334674	2020-04-20	SYSTEMS AND METHODS FOR BLOCKCHAIN ADMINISTRATION	Luke Youngblood; Brian Bland; Robert Kearney; Nikhil Srinivasan; Paul Hamera; Alexander Kern;	
3,113	20200334630	2020-04-20	SYSTEMS AND METHODS FOR FACILITATING STORING, DELIVERING, AND TRACKING OF LUGGAGE	Nawar Al Issa; Adam Trent;	
3,114	20200334110	2020-04-16	Method for Restoring a Blockchain Network Via Synchronizations While Maintaining Reliability on Backup Data and Minimizing Resource Usage by Converting the Identities of Nodes Adaptively, and the Nodes Using the Same	Gye Song; I Lee; Dong Seo;	
3,115	20210051019	2020-04-13	BLOCKCHAIN COMMUNICATION ARCHITECTURE	John Hyde; Steven Janes, JR;	Realtime Applications, Inc.;
3,116	20230161902	2020-04-10	PRIVACY ENFORCER	Taofei Dong; George Papaleonidopoulos; Edoardo Gavita;	
3,117	20220182241	2020-04-10	SHORT TRANSACTION IDENTIFIER COLLISION DETECTION AND RECONCILIATION	Steven COUGHLAN;	
3,118	20200327544	2020-04-10	SYSTEM AND METHOD FOR IMPLEMENTING A MARKET DATA HUB VIA DISTRIBUTED LEDGER TECHNOLOGY	Ilya SLAVIN;	
3,119	20220156735	2020-04-09	METHODS AND DEVICES FOR PROPAGATING BLOCKS IN A BLOCKCHAIN NETWORK	Alex MACKAY; Wei ZHANG; Craig WRIGHT; Steven COUGHLAN;	
3,120	20210297238	2020-04-09	BLOCKCHAIN CONSENSUS METHOD AND SYSTEM, AND COMPUTER-READABLE STORAGE MEDIUM	Xiong Guo;	

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3,121	20220198447	2020-04-09	TARGET OBJECT MANAGEMENT METHOD, SMART CONTRACT, AND MANAGEMENT DEVICE	Yukio HARUNA;	Bacoor dApps Inc.;
3,122	20220191035	2020-04-09	SYSTEMS AND PROCESSES FOR MANAGEMENT OF DIGITAL OR PHYSICAL ASSETS VIA DISTRIBUTED LEDGER	Luke TUCKER; Elliott PICKARD;	
3,123	20220027448	2020-04-09	ACCESS MANAGEMENT SYSTEM, AUTHENTICATION DEVICE FOR ACCESS MANAGEMENT SYSTEM, MANAGEMENT DEVICE FOR ACCESS MANAGEMENT SYSTEM, PORTABLE TERMINAL FOR ACCESS MANAGEMENT SYSTEM, MOBILE BODY FOR ACCESS MANAGEMENT SYSTEM, DATA STRUCTURE FOR ACCESS MANAGEMENT DATA, ACCESS MANAGEMENT PROGRAM, AND CONSTRUCTION METHOD FOR ACCESS MANAGEMENT SYSTEM	Manato TAKAI;	Mitsubishi Electric Corporation;
3,124	20200334229	2020-04-08	MEDICAL DEVICE BLOCKCHAIN EXCHANGE	Patrick HARRISON; William RICHARD;	
3,125	20200320490	2020-04-06	METHOD AND SYSTEM FOR CONDUCTING A TRANSACTION USING PRIVATE BLOCKCHAIN	Tet Yeap; Ci Lin;	
3,126	20200322130	2020-04-06	Decentralized SON and RAN Management Using Blockchain	Babu Rajagopal; Balaji Jeyabalan;	
3,127	20230177525	2020-04-06	SYSTEMS AND METHODS FOR PRODUCT VERIFICATION	Timothy BEARD; Matthew LAWRENSON; Jan VAN DEN BERG;	
3,128	20220198446	2020-04-06	Method for Recording Data Related to Product Manufacture and Sales, and Related System	Aleksey POTANIN; Victor VERNIKOVSKY;	
3,129	20210312302	2020-04-06	CONTEXTUAL INTEGRITY PRESERVATION	Nitin Gaur; Dulce Ponceleon; Ioannis Katsis;	
3,130	20210312431	2020-04-06	METHOD AND SYSTEM FOR USE OF AN EMV CARD IN A MULTI-SIGNATURE WALLET FOR CRYPTOCURRENCY TRANSACTIONS	Srinath RAVINATHAN; Bensam JOYSON; Donghao HUANG; Teck TAN;	MASTERCARD ASIA/PACIFIC PTE. LTD.;
3,131	20220278843	2020-04-03	COMPUTER IMPLEMENTED METHOD AND SYSTEM FOR KNOWLEDGE PROOF IN BLOCKCHAIN TRANSACTIONS	Craig WRIGHT; Alexander MACKAY; Wei ZHANG;	
3,132	20220358119	2020-04-02	BLOCKCHAIN CONSENSUS METHOD, APPARATUS AND DEVICE	Zhuguang SHAO;	
3,133	20210314155	2020-04-02	TRUSTED LEDGER STAMPING	Petr Novotny;	
3,134	20210314293	2020-04-02	METHOD AND SYSTEM FOR USING TUNNEL EXTENSIBLE AUTHENTICATION PROTOCOL (TEAP) FOR SELF-SOVEREIGN IDENTITY BASED AUTHENTICATION	ABILASH SOUNDARARAJAN; TIMOTHY CAPPALLI;	
3,135	20230121852	2020-04-01	METHOD AND APPARATUS FOR TRUST MANAGEMENT IN INTEGRATED NETWORKS BASED ON BLOCKCHAIN	Zheng YAN;	
3,136	20220271924	2020-04-01	METHOD AND APPARATUS FOR PROCESSING DATA REQUEST	Zhuguang Shao; Haibo Sun; Haiquan Huang; Guangwei Zhao; Shuang Zhang;	Jingdong Technology Information Technology Co., Ltd.;
3,137	20210314139	2020-04-01	NOISY TRANSACTION FOR PROTECTION OF DATA	Qi Zhang; Petr Novotny; Lei Yu;	
3,138	20220393890	2020-03-30	CREDIBLE ALLIANCE BLOCKCHAIN DIGITAL CALIBRATION CERTIFICATE SYSTEM AND OPERATION METHOD THEREFOR	Xiang Fang; Xingchuang Xiong; Feng Tian; Yichuan Tang; Wenkui He; Zhen Liu;	
3,139	20220343323	2020-03-30	METHOD AND APPARATUS MAINTAINING PRIVATE DATA WITH CONSORTIUM BLOCKCHAIN	Taku SHIMOSAWA; Satoshi OSHIMA;	
3,140	20200314648	2020-03-30	Distributed HSS Using Blockchain	Yang Cao;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,141	20220189589	2020-03-30	HIGHLY RELIABLE DATA TRANSACTION SYSTEM, AND HIGHLY RELIABLE DATA TRANSACTION METHOD	Akito OGAWA; Yoshihide NAGASE; Takeshi KUBODERA;	
3,142	20220158841	2020-03-27	METHODS AND DEVICES FOR PROVING KNOWLEDGE OF A DATA ITEM BY A USER OF A BLOCKCHAIN	Emmanuel Bertin; Julien Hatin;	
3,143	20220270085	2020-03-27	DESTINATION ADDRESSING ASSOCIATED WITH A DISTRIBUTED LEDGER	Andy MEE;	
3,144	20220180461	2020-03-27	METHOD FOR NEGOTIATING A CONTRACT BETWEEN TWO PARTIES IN A TELECOMMUNICATIONS NETWORK AND DEVICES IMPLEMENTING SAID METHOD	Emmanuel Bertin; Julien Hatin; Julien Zimmermann; Baptiste Hemery; Fabrice Jeanne;	
3,145	20220076354	2020-03-27	BIDDING ON A POST IN A SOCIAL MEDIA PLATFORM	Daniel Larimer; Richard Whitner; Leonardo Ribeiro;	
3,146	20200311688	2020-03-27	DOCUMENT CREATION SYSTEM AND METHOD	Robert Lipman; Allison Plesur; Aashish Shrestha; Mohan Venkataraman;	Docuvisory LLC;
3,147	20200313859	2020-03-27	Cryptologic Blockchain-Based Off-Chain Storage Verification	Giuseppe Ateniese; Giuseppe Giordano; Luca Schiatti; Abdoulaye Faye; Andrea Milazzo;	
3,148	20210303427	2020-03-26	SYSTEM FOR TESTING A BLOCKCHAIN ENABLED DEVICE-UNDER-TEST	Bernhard STERZBACH;	
3,149	20210304202	2020-03-26	SYSTEM AND METHOD FOR SECURING A VEHICLE TRANSACTION WITHIN BLOCKCHAIN	Boris Polania Castro;	
3,150	20230045098	2020-03-26	SYSTEM AND METHOD FOR PREVENTING SUSPICIOUS TRANSACTIONS IN DISTRIBUTED LEDGER	Ji KIM; Jeong JEON; Jong KIM; Hyung CHOI; Hyug KWON;	dsrv labs Co., Ltd.;
3,151	20220171951	2020-03-25	PRODUCT LABELS, TRUST IDENTIFIER SYSTEMS CONTAINING THE SAME, AND METHODS OF USE THEREOF	Julie VARGAS; Michael KUHNO;	
3,152	20210297264	2020-03-23	ENABLING CONSENSUS IN DISTRIBUTED TRANSACTION PROCESSING SYSTEMS	Bartlomiej Filipek; Michal Zarakowski; Wojciech Mis; Maciej Snopczynski;	
3,153	20220165384	2020-03-20	BLOCKCHAIN SYSTEMS AND METHODS FOR REMOTE MONITORING	Hank JIBAJA; Jack Neil;	NEPHRON PHARMACEUTICALS CORPORATION;
3,154	20210295320	2020-03-20	LIGHTWEIGHT BLOCKCHAIN SUPPORTED TRANSACTION PLATFORM WITH BLOCKCHAIN BASED CHECKING ENHANCEMENTS	Jun Yan;	
3,155	20220215250	2020-03-20	AUTOMATIC PREDICTION OF THE USABILITY OF CONCRETE FOR AT LEAST ONE INTENDED USE AT A CONSTRUCTION SITE	Helmut Baechle; Henning Staves; Vanessa Bernard; Ruediger Baumann;	
3,156	20220166696	2020-03-20	METHOD AND DEVICES FOR A LOAD ALLOCATION AND MONITORING FOR A SUPPLY SECURITY-CRITICAL RESOURCE TO BE ALLOCATED IN A NETWORK	Abhinav SADU; Gianluca LIPARI; Ferdinanda PONCI; Jindal AKSHAY;	
3,157	20200314151	2020-03-20	CONTROLLED DATA ACCESS IN A COMMUNICATION NETWORK	Dimitrios Schoinianakis; Matteo Signorini;	Nokia Technologies Oy;
3,158	20220156733	2020-03-19	BLOCKCHAIN SYSTEM, APPROVAL TERMINAL, USER TERMINAL, HISTORY MANAGEMENT METHOD, AND HISTORY MANAGEMENT PROGRAM	Hiroki WATANABE; Tatsuro ISHIDA; Shigenori OHASHI; Shigeru FUJIMURA; Atsushi NAKADAIRA;	
3,159	20210295283	2020-03-17	METHODS AND SYSTEMS FOR BLOCKCHAIN DIGITAL CURRENCY STAKE DELEGATION	Zi DENG;	Visa International Service Association;
3,160	20220245621	2020-03-17	BLOCKCHAIN-BASED LOGISTICS PHYSICAL ITEM HANDOVER METHOD, PLATFORM AND STORAGE MEDIUM	Wenfeng YANG; Binbin XIU; Wenming ZHE;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,161	20220179384	2020-03-17	METHOD AND CONTROL SYSTEM FOR CONTROLLING AN EXECUTION OF TRANSACTIONS	Thomas Jetzfellner; Markus Sauer;	
3,162	20200234291	2020-03-17	METHOD AND SYSTEM FOR PURCHASE AGREEMENT PROCESSING	Yijin GAO;	
3,163	20210287285	2020-03-16	LIGHTWEIGHT BLOCKCHAIN SUPPORTED TRANSACTION PLATFORM WITH TOKEN INTEGRATED LENDING ENHANCEMENTS	Jun Yan;	TraDove, Inc.;
3,164	20200233866	2020-03-12	BLOCKCHAIN TRANSACTION QUERY METHOD AND SYSTEM	Ping Dai; Shubo Li; Kai Wang;	Alibaba Group Holding Limited;
3,165	20200304290	2020-03-12	DISTRIBUTED LEDGERS FOR THE MANAGEMENT OF THE LIFECYCLE OF DATA IN AERONAUTICS	François COULMEAU; Dorian MARTINEZ; Guillaume PABIA;	
3,166	20230095596	2020-03-10	GROUP MANAGEMENT APPARATUS, GROUP MANAGEMENT METHOD, AND COMPUTER READABLE MEDIUM	Hiroshi TSUKADA;	NEC Corporation;
3,167	20200283136	2020-03-09	Method and System for Providing Blockchain Enabled Secured and Privacy-Data Meta-Market Support in an Agricultural Products Marketplace Through Drone Uniform Integrated Services Using Personal Flying Vehicles/Drones with Coaxial Lift Pinwheels and Multi-Wheel Drive Pinwheels	Luan Nguyen; Anh Vu;	
3,168	20200210384	2020-03-09	Verification of Data Provenance for Existing Computer Systems	Jacob Bordens;	
3,169	20220148111	2020-03-04	METHOD OF USING A BLOCKCHAIN	Craig WRIGHT; Owen VAUGHAN; Brock DOIRON;	
3,170	20220407725	2020-03-04	FILE STORAGE METHOD, TERMINAL, AND STORAGE MEDIUM	Penghui CHAI; Gui FU;	
3,171	20220407726	2020-03-03	CONSENSUS METHOD FOR BLOCKCHAIN, CONSENSUS NODE, ELECTRONIC DEVICE, AND STORAGE MEDIUM	Shuang ZHANG;	
3,172	20220239496	2020-03-03	BLOCKCHAIN CONSENSUS METHOD, DEVICE AND SYSTEM	Zhuguang SHAO; Haibo SUN; Guangwei ZHAO; Haiquan HUANG; Lin ZHANG;	
3,173	20200327627	2020-03-03	METHODS AND SYSTEMS OF A BLOCKCHAIN FOR DISTRIBUTED-ENERGY-PROJECT MANAGEMENT	Deep Chakraborty; Jyoti Jain;	
3,174	20210279284	2020-03-03	BEHAVIOR DRIVEN GRAPH EXPANSION	Yichong Yu; Danny Soroker;	
3,175	20230040025	2020-03-02	METHOD FOR SUPPORTING SHARING OF TRAVEL HISTORY OF TRAVELERS IN AIRPORTS	Sebastien ANDREINA; Ghassan KARAME;	
3,176	20220398683	2020-03-02	METHOD FOR SUPPORTING SHARING OF TRAVEL HISTORY OF TRAVELERS IN AIRPORTS	Sébastien ANDREINA; Ghassan KARAME;	
3,177	20220141240	2020-02-28	COMPUTER-IMPLEMENTED METHOD AND BLOCKCHAIN SYSTEM FOR DETECTING AN ATTACK ON A COMPUTER SYSTEM OR COMPUTER NETWORK	Tolga Sel;	
3,178	20220198049	2020-02-28	Blockchain-Based Secure Email System	Francois DUMAS; Yuming QIAN; Patricia Popert-Fortier;	ZEU TECHNOLOGIES, INC.;
3,179	20200279249	2020-02-28	BLOCKCHAIN-BASED DIGITAL ASSET PLATFORM	Jenny Ta;	
3,180	20200279328	2020-02-28	Multi-party Financial Services Agreements	Mehdi Zhiri; Francois Blondel;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,181	20200280440	2020-02-28	RECOVERING ACCESS TO A DIGITAL SMART CONTRACT WALLET	Benjamin BOLLEN; Jason GOLDBERG;	
3,182	20200201877	2020-02-28	GEOGRAPHIC LOCATION-BASED MULTIMEDIA INFORMATION DISPLAY	Xueqing Zou;	Alibaba Group Holding Limited;
3,183	20200202355	2020-02-28	STORAGE AND EXECUTION OF SMART CONTRACTS IN BLOCKCHAINS	Zhiyuan Feng;	Alibaba Group Holding Limited;
3,184	20200204524	2020-02-27	Blockchain Overwatch	Jordan Simons; Steve Ernst;	GCP IP Holdings I, LLC;
3,185	20200192596	2020-02-27	BLOCKCHAIN DATA STORAGE METHOD AND APPARATUS	Xinying Yang;	Alibaba Group Holding Limited;
3,186	20220188829	2020-02-27	TRANSACTION VERIFICATION OF DISTRIBUTED LEDGERS	Evandro PIOLI MORO;	
3,187	20200193430	2020-02-26	DETERMINING GENERATION TIME FOR BLOCKCHAIN DATA	Haitao Jiang;	Alibaba Group Holding Limited;
3,188	20210233653	2020-02-26	Method for Medical Service Management and Related Devices	Xin Liu;	
3,189	20200234367	2020-02-24	VIRTUAL CURRENCY VALUE ESTIMATION METHOD AND APPARATUS, AND STORAGE MEDIUM	Wenyu Yang; Chunmeng Gao;	BEIJING KINGSOFT INTERNET SECURITY SOFTWARE CO., LTD.;
3,190	20220060332	2020-02-21	ENERGIZED IDENTITY POWERED BLOCKCHAIN	Dongxi LIU; Shiping CHEN;	Commonwealth Scientific and Industrial Research Organisation;
3,191	20200272619	2020-02-21	METHOD AND SYSTEM FOR AUDIT AND PAYMENT CLEARING OF ELECTRONIC TRADING SYSTEMS USING BLOCKCHAIN DATABASE	Igor ALFEROV;	
3,192	20220171743	2020-02-21	ADMINISTRATOR TERMINAL, PARTICIPANT TERMINAL, RIGHT HOLDER TERMINAL, USER TERMINAL, CONTENT UTULIZATION SYSTEM, ADMINISTRATIOR PROGRAM, PARTICIPANT PROGRAM, RIGHT HOLDER PROGRAM, USER PROGRAM, AND DATA STRUCTURE OF STATE DATA	Shigenori OHASHI; Hiroki WATANABE; Tatsuro ISHIDA; Shigeru FUJIMURA; Atsushi NAKADAIRA;	
3,193	20210264419	2020-02-21	RESOLUTION OF CONFLICTING DATA	Krishna Ratakonda; Ashish Jagmohan;	
3,194	20230124197	2020-02-20	Device and Method for Evacuating Cryptocurrency and Program Therefor	Toshihide HARA;	
3,195	20210256442	2020-02-19	COMPUTATION OF CONTAINMENT RELATIONSHIPS	Ashish Jagmohan; Yi-Min Chee; Julie MacNaught; Abhilash Narendra; Krishna Ratakonda; Ryan Enderby;	
3,196	20210256441	2020-02-18	Allocation of Resources in a Collaborative Supply Chain Using Blockchain Technology	Lohit Namboodiri; Pankaj Dayama; Dhinakaran Vinayagamurthy;	
3,197	20200183807	2020-02-18	MONITORING USER ACTIVITY WITHIN A PHYSICAL AREA	Bernd Moeller;	MyOmega Systems GmbH;
3,198	20210256145	2020-02-17	PRESERVATION OF PRIVACY IN LARGE DATASETS	Yedendra Shrinivasan; Krishna Ratakonda; Rak-Joon Choi;	
3,199	20210256113	2020-02-14	Blockchain Validation of Software	Christopher Stott; Caleb Mann;	
3,200	20200265446	2020-02-14	FOOD CHAIN PRODUCT LABEL AND METHOD OF USE, AND FOOD TRUST IDENTIFIER SYSTEM	Julie Vargas;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,201	20220171751	2020-02-13	Computer Implemented Method and Processing Device for Processing Maintenance Information in a Distributed Database System Using a Storage Client Unit	Sergii Katrych; Evelyn Pfeuffer; Mihai Radulescu Kobler;	Siemens Aktiengesellschaft;
3,202	20210248271	2020-02-12	DOCUMENT VERIFICATION	Yedendra Shrinivasan; Krishna Ratakonda; Ramesh Gopinath;	
3,203	20220147924	2020-02-10	FACILITATING FINANCING IN SUPPLY CHAIN MANAGEMENT USING BLOCKCHAIN	Lipika Sahoo; Manoj Sahoo;	Other;
3,204	20200175505	2020-02-10	SYSTEM AND METHOD FOR CREATING A SECURE MESH NETWORK UTILIZING THE BLOCKCHAIN	Austin WALTERS; Jeremy GOODSITT; Fardin ABDI TAGHI ABAD;	Capital One Services, LLC;
3,205	20200175622	2020-02-10	PROCESSING LEDGER TRANSACTIONS IN A BLOCKCHAIN	Xuetao Lin; Yanan Zhang; Wuwei Liu; Wenxia Zhang;	Alibaba Group Holding Limited;
3,206	20210248677	2020-02-10	Cloud solutions as capital	Mickey Gsell; Aron Elston;	
3,207	20230245117	2020-02-08	Distributed Ledger Computing Platforms and Associated Methods, Systems and Devices	Christopher Higgins; Nicholas Beaugeard; Lyndon Higgins;	Other;
3,208	20200258158	2020-02-07	SYSTEM AND METHOD FOR PROVIDING VIRTUAL SOCIAL BANKING NETWORKS BY A PLATFORM UTILIZING ARTIFICIAL INTELLIGENCE AND BLOCKCHAIN TECHNOLOGY	Fonta Gilliam; Ramsey Smith;	
3,209	20200175509	2020-02-07	TRANSFERRING METHOD AND SYSTEM BASED ON BLOCKCHAIN SMART CONTRACT	Yitong Qi;	Alibaba Group Holding Limited;
3,210	20200258338	2020-02-07	SECURE VOTING SYSTEM	Dhananjay Goswami; Angela Lagneaux; Mohan Venkataraman; Wendy Henry; Aashish Shrestha; Stephen Dearing;	
3,211	20200175588	2020-02-07	BLOCKCHAIN-BASED PAYMENT	Min Li;	Alibaba Group Holding Limited;
3,212	20220131699	2020-02-05	METHOD AND SYSTEM FOR MONITORING AND CONTROLLING HIGH RISK SUBSTANCES	Joshua KIMMEL; Kenneth GREENWOOD;	
3,213	20200279309	2020-02-05	BLOCKCHAIN-BASED ELECTRONIC BILL CANCELLATION METHOD, APPARATUS, AND ELECTRONIC DEVICE	Zhenzhong Meng; Longsheng Qing; Ge Jin; Zhen Sun; Yu Chu; Xueqing Yang;	Alibaba Group Holding Limited;
3,214	20210241372	2020-02-04	SYSTEM, APPARATUS, AND METHOD FOR DATA TRADING BASED ON BLOCKCHAIN	Yang Chen; Xinle Yang; Debin Liu; Qing Xu;	MOAC Blockchain Technology Inc.;
3,215	20200311755	2020-02-04	CONSUMER DATA AND PRIVACY CONTROLS IN A SOCIAL NETWORKING ENVIRONMENT	Richard Postrel;	
3,216	20200388359	2020-02-03	METHODS AND SYSTEM OF BLOCKCHAIN-BASED MEDICAL SERVICE MANAGEMENT	Rekha Bhandari; Pavana Jain;	
3,217	20200250752	2020-02-03	SYSTEMS, METHODS, AND PROGRAM PRODUCTS FOR ISSUING, MANAGING, VALUING AND TRADING DIGITAL ASSET TOKENS BACKED BY A VALUE BANK COMPRISING THE RESIDUAL VALUE OF A PORTFOLIO OF GROUND LEASES	Jay SUGARMAN;	
3,218	20200252211	2020-01-31	METHOD FOR GENERATING SECURE RANDOMNESS ON BLOCKCHAIN	TAI-YUAN CHEN; WEI-NING HUANG; PO-CHUN KUO; HAO CHUNG;	
3,219	20200175502	2020-01-31	CONFIDENTIAL TRANSACTION IN A BLOCKCHAIN NETWORK	Huanyu Ma; Baoli Ma;	Alibaba Group Holding Limited;
3,220	20200177390	2020-01-31	PROVIDING DATA VERIFICATION IN A BLOCKCHAIN LEDGER	Xinxing Yang; Benquan Yu; Yize Li; Yuan Zhang; Haizhen Zhuo;	Alibaba Group Holding Limited;

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#	Pub. No	Filed	Title	Inventors	Assignees
3,221	20210397998	2020-01-31	SYSTEM TO ENSURE SAFE ARTIFICIAL GENERAL INTELLIGENCE VIA DISTRIBUTED LEDGER TECHNOLOGY	Kristen Carlson;	
3,222	20210241149	2020-01-31	SYSTEM TO ENSURE SAFE ARTIFICIAL GENERAL INTELLIGENCE VIA DISTRIBUTED LEDGER TECHNOLOGY	Kristen Carlson;	
3,223	20210241273	2020-01-31	SMART CONTRACT PLATFORM	Fardin Abdi Taghi ABAD; Jeremy GOODSITT; Reza FARIVAR; Austin WALTERS; Mark WATSON; Kenneth TAYLOR; Kate KEY; Anh TRUONG; Vincent PHAM;	
3,224	20220138737	2020-01-30	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR IMPLEMENTING TRANSFERS OVER A BLOCKCHAIN NETWORK	Craig WRIGHT; Jack DAVIES; Alexander MACKAY;	
3,225	20220138738	2020-01-30	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR IMPLEMENTING TRANSFERS OVER A BLOCKCHAIN NETWORK	Craig WRIGHT; Jack DAVIES; Alexander MACKAY;	
3,226	20220129887	2020-01-30	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR IMPLEMENTING TRANSFERS OVER A BLOCKCHAIN NETWORK	Craig WRIGHT; Jack DAVIES; Alexander MACKAY;	
3,227	20220129888	2020-01-30	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR IMPLEMENTING TRANSFERS OVER A BLOCKCHAIN NETWORK	Craig WRIGHT; Jack DAVIES; Alexander MACKAY;	
3,228	20220129893	2020-01-30	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR IMPLEMENTING TRANSFERS OVER A BLOCKCHAIN NETWORK	Craig WRIGHT; Jack DAVIES; Alexander MACKAY;	
3,229	20200372983	2020-01-29	METHODS AND DEVICES FOR STORING AND PROCESSING ELECTRONIC MEDICAL RECORD ON BLOCKCHAIN	Yixiang ZHANG; Xueqing YANG; Shubo LI; Zhihua LIANG;	Alibaba Group Holding Limited;
3,230	20220198444	2020-01-29	COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR IMPLEMENTING ALIAS-BASED ADDRESSING FOR A DISTRIBUTED LEDGER	Andy MEE; Ryan DICKHERBER;	
3,231	20210064585	2020-01-27	METHODS AND DEVICES FOR PROVIDING TRAVERSABLE KEY-VALUE DATA STORAGE ON BLOCKCHAIN	Shenglong CHEN;	Alibaba Group Holding Limited;
3,232	20200344070	2020-01-24	METHODS AND DEVICES FOR VALIDATING TRANSACTION IN BLOCKCHAIN SYSTEM	Yanpeng LI;	Alibaba Group Holding Limited;
3,233	20230074590	2020-01-22	Storage Virtualization Architecture with Hybrid Blockchain and the Method Thereof	Jun-Hong Chen;	
3,234	20220084013	2020-01-21	IDENTITY MANAGEMENT, SMART CONTRACT GENERATOR, AND BLOCKCHAIN MEDIATING SYSTEM, AND RELATED METHODS	Dhruva KULKARNI; Mateusz POSPIESZNY; Pramod MADABHUSHI;	
3,235	20200242574	2020-01-21	Asset Sharing Blockchain	Naijie Zhou;	
3,236	20220294650	2020-01-21	PROGRAM, CHALLENGE ASSISTANCE SYSTEM, CHALLENGE ASSISTANCE METHOD, AND TERMINAL	Hiroshi TANIMOTO;	
3,237	20220092532	2020-01-21	VEHICLES AND TRANSPORTATION SYSTEMS EMPLOYING BLOCKCHAIN-BASED MONITORING	Heba Bevan;	
3,238	20220084043	2020-01-21	BEVERAGE PRODUCER AUTHENTICITY VERIFICATION METHOD AND SYSTEM	Michael Mickel; Christopher Braine;	Cellr Pty Ltd;
3,239	20210224727	2020-01-21	ASSET MANAGEMENT	Vikas Rakhunde; Zachary Hrabak;	
3,240	20210225493	2020-01-21	BODi (BORN ON FOR DEVICES & IMPLANTS) PROCESS FOR TRACKING THE QUALITY ASSURANCE OF SURGICAL DEVICES	KEITH PALMER;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,241	20220123947	2020-01-20	A Method for Generating Random Numbers in Blockchain Smart Contracts	Francois DUMAS; Yuming QIAN;	ZeU Technologies, Inc.;
3,242	20200153793	2020-01-20	SECURITY GATEWAY FOR HIGH SECURITY BLOCKCHAIN SYSTEMS	Dan Kikinis; Ari Birger;	
3,243	20220027900	2020-01-20	CRYPTOCURRENCY TRANSACTION ANALYSIS METHOD AND SYSTEM	Sang SUH; Chang YOON; Seung LEE;	
3,244	20220029827	2020-01-20	Computer-Implemented System and Method for Determining or Verifying Location	Craig WRIGHT; Daniel JOSEPH;	
3,245	20210224253	2020-01-20	CONFLICT-FREE VERSION CONTROL	Yedendra Shrinivasan; Krishna Ratakonda; Rak-Joon Choi;	
3,246	20200286196	2020-01-20	SYSTEM AND METHOD FOR INTELLECTUAL PROPERTY FINANCING	ERICH SPANGENBERG; DANIEL BORK; PASCAL ASSELOT;	
3,247	20200211112	2020-01-20	Wireless Base Station Crowdfunding	VOLKAN SEVINDIK;	
3,248	20210049620	2020-01-17	BLOCKCHAIN BASED MOBILE TERMINAL E-COMMERCE SYSTEM AND MOBILE TERMINAL	DAOLI LI;	
3,249	20220101465	2020-01-16	BLOCKCHAIN SYSTEM, REGISTRATION DEVICE, DEGREE OF CONTRIBUTION COMPUTATION DEVICE, DEGREE OF CONTRIBUTION COMPUTATION METHOD, AND DEGREE OF CONTRIBUTION COMPUTATION PROGRAM	Tatsuro ISHIDA; Atsushi Nakadaira; Shigeru Fujimura; Shigenori Ohashi; Hiroki Watanabe;	
3,250	20200242591	2020-01-16	Network Performance Testing with Blockchain	VOLKAN SEVINDIK;	
3,251	20210021423	2020-01-16	PROCEDURE OF UNIFIED GLOBAL REGISTRATION AND UNIVERSAL IDENTIFICATION OF SPATIALLY LOCATABLE OBJECTS	Fernando Latorre; Nuria Sala Cano;	
3,252	20200153643	2020-01-15	MEDIA CHANNEL MONITORING TO PROVE CONTENT PRESENTATION	Eric Diehl; Timothy Wright;	
3,253	20200151823	2020-01-14	SYSTEM AND METHOD FOR DIGITAL ASSET VALUATION	Rubing SHI; Wenlong YANG;	
3,254	20200184504	2020-01-13	METHODS AND SYSTEMS FOR REGULATING OPERATION OF UNITS USING ENCRYPTION TECHNIQUES ASSOCIATED WITH A BLOCKCHAIN	Cassie Boutelle; Lou Grilli; Troy Land; James HEYSTEK; Wade Murray;	Fidelity National Information Services, Inc.;
3,255	20210217006	2020-01-13	Accessing and Providing Distributed Applications	Sivaprakash Ragavan; Sundaresan Vellaichamy;	
3,256	20220005004	2020-01-10	METHOD AND DEVICE FOR BLOCKCHAIN TRANSACTION TRACING	Yuzhuang XU; Yu ZHOU;	
3,257	20210217001	2020-01-10	DECENTRALIZED TOKENIZATION TECHNOLOGIES	Daniel Harrison;	salesforce.com, inc.;
3,258	20200151720	2020-01-10	ASSET TRANSFER METHOD AND APPARATUS, AND ELECTRONIC DEVICE	Danqing Hu; Sen Lin; Junliang Zhang;	Alibaba Group Holding Limited;
3,259	20220012804	2020-01-09	BLOCKCHAIN-BASED INFORMATION INTERACTION METHOD, BLOCKCHAIN NODE AND CREDIT INVESTIGATION SYSTEM	Mingsen LUO;	BEIJING JINGDONG SHANGKE INFORMATION TECHNOLOGY CO, LTD.; BEIJING JINGDONG CENTURY TRADING CO.,LTD.;
3,260	20220269808	2020-01-08	DOCUMENT MANAGEMENT SYSTEM	Shinkichi HIMENO;	IRYOU JYOUHOU GIJYUTU KENKYUSHO CORPORATION;

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
3,261	20200226678	2020-01-08	Systems and Methods for Cryptographically Verifiable Ledgers with Predictive Outcome Generation	Peter Magnabosco; Sid Shake;	
3,262	20210209682	2020-01-07	Artificial Intelligence (AI) Enabled Blockchain Based Trading Partner Onboarding Optimization	Rahul Jain; Manjit Sodhi;	
3,263	20200145406	2020-01-06	SYSTEM AND METHOD FOR BLOCKCHAIN-BASED DATA MANAGEMENT	Long CHENG; Yanpeng LI;	
3,264	20210226785	2020-01-05	SYSTEM AND COMPUTER PROGRAM PRODUCT FOR CERTIFIED CONFIDENTIAL DATA COLLABORATION USING BLOCKCHAINS	Ranjit Notani;	TMail Inc.;
3,265	20220123942	2020-01-04	METHOD AND SYSTEM FOR INFORMATION TRANSMISSION	Holger GEISSLER;	
3,266	20220092209	2020-01-03	DISTRIBUTED GOVERNANCE FOR SHARING OF BIG DATA	Marin LITOIU; Mark SHTERN;	
3,267	20220180431	2020-01-02	A BLOCKCHAIN-BASED CREDIT MANAGEMENT SYSTEM	Sami AL SUWAILEM; Hilal HUSSEIN; Mahmoud BEKRI;	ISLAMIC DEVELOPMENT BANK INSTITUTE;
3,268	20200210946	2019-12-31	Manufacturing Procurement Process Enabling Part Certification, Verification, Tracking, Storage, Part Tokenization, and Facilitating Audit, Traceability, Recall and Anti-Fraud Measures Using Blockchain Technology.	Jeremiah Goodwin;	SyncFab Co.;
3,269	20220101326	2019-12-31	APPARATUS AND METHOD FOR CYBERSECURITY	Hyung KIM; Cheong TAN; Chek Chuan Narong Chong; Jia Hao Donovan TAN; Athul Harilal; Kar YEUNG;	UPPSALA PTE. LTD.;
3,270	20200201681	2019-12-31	METHOD AND SYSTEM FOR VIRTUALIZING BLOCKCHAINS	Thomas Thompson; Dallas Hoffman;	
3,271	20210201236	2019-12-30	LINKEDCHAIN, CONTROL TOWER AND BLOCKCHAIN FOR ENTERPRISE APPLICATIONS	Subhash Makhija; Huzaifa Matawala; Shivendra Malik; Vinayak Agashe;	
3,272	20200210978	2019-12-30	Blockchain-Based Value Platform	Suzanne Brown;	
3,273	20210201326	2019-12-27	USER CONTROLLED SHARING OF PERSONAL AND CONTACT INFORMATION USING A BLOCKCHAIN	Srinivas Ambikapathi;	
3,274	20200364212	2019-12-26	SYSTEM AND METHOD OF SUPPORTING REFLECTION OF TRANSACTIONS BETWEEN BLOCKCHAIN NETWORKS	Jung CHO; Kwang LEE; Sang BAE; Han SEO;	
3,275	20220122073	2019-12-26	SYSTEM ARCHITECTURE FOR ENABLING DISTRIBUTED TEMPORARY CONTROL OF DISCRETE UNITS OF AN ASSET	Glenn Hanson; David Kaufman; John Falcone;	
3,276	20200372013	2019-12-26	ACCELERATED PROCESSING APPARATUS FOR TRANSACTION CONSIDERING TRANSACTION FAILURE PROBABILITY AND METHOD THEREOF	Kyu LEE; Chang YOON; Hwa OH; Sang LEE; Ki SUNG;	
3,277	20220286304	2019-12-23	BLOCKCHAIN DATA FORGETABILITY	Lloyd Burch; Michael Angelo; Baha Masoud; Larry Henderson;	MICRO FOCUS LLC;
3,278	20210035098	2019-12-23	METHODS AND SYSTEMS FOR MICROPAYMENT SUPPORT TO BLOCKCHAIN INCENTIVIZED, DECENTRALIZED DATA STREAMING AND DELIVERY	Jieyi Long; Mitchell Liu;	
3,279	20200235921	2019-12-23	METHOD AND SYSTEM FOR RECOVERING CRYPTOGRAPHIC KEYS OF A BLOCKCHAIN NETWORK	Alfonso De La Rocha Gómez-Arevalillo; Jose Nuñez Diaz;	TELEFONICA DIGITAL ESPAÑA, S.L.U.;
3,280	20200134713	2019-12-23	REGULATORY INSPECTION IN A BLOCKCHAIN NETWORK	Danqing Hu; Sen Lin;	Alibaba Group Holding Limited;

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#	Pub. No	Filed	Title	Inventors	Assignees
3,281	20220084042	2019-12-23	METHOD FOR ENSURING THE AUTHENTICITY AND VALIDITY OF ITEM OWNERSHIP TRANSFER	Tiong TANG;	
3,282	20200134583	2019-12-23	FUND FLOW PROCESSING METHOD AND DEVICE	Danqing Hu; Xuebing Yan;	Alibaba Group Holding Limited;
3,283	20200134614	2019-12-23	SYSTEM AND METHOD FOR BLOCKCHAIN-BASED AUTHENTICATION	Long CHENG; Yanpeng LI;	
3,284	20200126079	2019-12-23	ASSET MANAGEMENT METHOD AND APPARATUS, AND ELECTRONIC DEVICE	Xuebing Yan;	Alibaba Group Holding Limited;
3,285	20200134581	2019-12-20	BLOCKCHAIN BALANCE ADJUSTMENT	Danqing Hu; Xuebing Yan;	Alibaba Group Holding Limited;
3,286	20230024635	2019-12-20	ACCESS CONTROL APPARATUS, CONTROL METHOD, AND NON-TRANSITORY COMPUTER READABLE MEDIUM	Takashi YASUDA;	NEC Corporation;
3,287	20220076518	2019-12-20	BLOCKCHAIN-BASED METHOD AND SYSTEM FOR SELECTING WINNER FROM AMONG WEIGHTED CANDIDATES	Ki-Man BYUN;	MILLION CIRCLE CO., LTD.;
3,288	20200401561	2019-12-20	METHOD, DEVICE, AND COMPUTER PROGRAM PRODUCT FOR MANAGING DATA OBJECT	Simon Zhang; Yizhou Zhou;	
3,289	20200211007	2019-12-20	BLOCKCHAIN-BASED PRODUCT PURCHASE METHOD AND APPARATUS	Min LI;	
3,290	20200143340	2019-12-20	FUND FLOW REPORT GENERATION METHOD AND DEVICE	Danqing Hu; Sen Lin;	Alibaba Group Holding Limited;
3,291	20200133938	2019-12-20	ASSET MANAGEMENT METHOD AND APPARATUS, AND ELECTRONIC DEVICE	Xuebing Yan;	Alibaba Group Holding Limited;
3,292	20200126049	2019-12-20	FUND FLOW METHOD AND APPARATUS, AND ELECTRONIC DEVICE	Danqing Hu; Xuebing Yan;	Alibaba Group Holding Limited;
3,293	20220051236	2019-12-17	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR CONTROLLING OR ENFORCING PERFORMANCE OF TRANSFERS CONDUCTED OVER A BLOCKCHAIN	Craig Wright;	
3,294	20210182840	2019-12-17	TOKEN PROCESSING TO FACILITATE STORAGE OF TRANSACTION DATA IN A BLOCKCHAIN	Suryatej Gundavelli; Michael Todasco; Lorenz Breu;	
3,295	20200160466	2019-12-17	CONTENT CONTRACT IN BLOCKCHAIN, AND CONTENT MANAGEMENT SYSTEM AND CONTENT PROVISION METHOD USING SAME	Masumi Hori;	
3,296	20210182838	2019-12-17	SYSTEM FOR TRACKING RESOURCES IN A DISTRIBUTED ENVIRONMENT	Prashant Khare; Nimish Deshpande;	Bank of America Corporation;
3,297	20210182859	2019-12-17	System And Method For Modifying An Existing Anti-Money Laundering Rule By Reducing False Alerts	Prasanna Srinivasa Rao; Sailatha Karthikeyan; Parag Bapu Rane; Rashmi Nair; Manju Nair;	
3,298	20200118096	2019-12-14	SYSTEM AND METHOD FOR PROVIDING PRIVACY AND SECURITY PROTECTION IN BLOCKCHAIN-BASED PRIVATE TRANSACTIONS	Dayi YANG; Ning XIA; Kang LI;	
3,299	20220014367	2019-12-13	DECENTRALIZED COMPUTING SYSTEMS AND METHODS FOR PERFORMING ACTIONS USING STORED PRIVATE DATA	SIMON LAW; ALFRED MENEZES;	
3,300	20210183480	2019-12-13	Biometric Authentication for Access to Medical Information on a Distributed Ledger	Umayal Swarnam; Mike Iapalucci; Lars Johnson;	AT&T Intellectual Property I, L.P.;

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#	Pub. No	Filed	Title	Inventors	Assignees
3,301	20220215394	2019-12-12	TRANSACTION VERIFICATION SYSTEM FOR BLOCKCHAIN, AND TRANSACTION VERIFICATION METHOD FOR BLOCKCHAIN	Jehyuk Jang; Heung-No Lee;	
3,302	20200409940	2019-12-12	IMPLEMENTING A BLOCKCHAIN-BASED WORKFLOW	Jun Gu; Shanlu Sun;	Advanced New Technologies Co., Ltd.;
3,303	20200193541	2019-12-12	COMPUTER SYSTEM ENABLING FLEXIBLE CREATION OF AND PARTICIPATION IN BLOCKCHAIN-BASED SMART CONTRACTS FOR TRANSACTIONS IN TOKENIZED DIGITAL ASSETS	Robert Barry; Douglas Molina; Carlos Cerrato;	
3,304	20200118123	2019-12-12	METHOD, SYSTEM, AND APPARATUS FOR MANAGING SMART CONTRACTS AND COMPUTER STORAGE MEDIUM	Jun LIU; Xin LIU; Qingcai HUANG;	
3,305	20210184863	2019-12-11	METHOD AND SYSTEM FOR REGULATION OF BLOCKCHAIN-BASED PAYMENTS	Kamran SHAHIN; Pankaj ASTHAANA;	MASTERCARD ASIA/PACIFIC PTE. LTD.;
3,306	20210073798	2019-12-10	PRODUCT PAYMENT DEVICE AND PAYMENT METHOD UTILIZING A BLOCKCHAIN SYSTEM, AND NON-TRANSITORY STORAGE MEDIUM	SHIAW-HERNG LIU;	
3,307	20210174292	2019-12-10	ANONYMIZATION OF PARTNERS	Nathan Barry; Sheela Shetty; Yi-Min Chee;	
3,308	20200118093	2019-12-09	SYSTEM AND METHOD FOR ARBITRATING A BLOCKCHAIN TRANSACTION	Hajoon Ko;	
3,309	20210152332	2019-12-06	APPARATUS FOR ADDING DATA TO BLOCKCHAIN, DATA VERIFICATION APPARATUS, AND DATA VERIFICATION METHOD	Po-Chih CHEN;	
3,310	20210390489	2019-12-06	SYSTEM AND METHOD FOR MULTIPLE IDENTIFICATION USING SMART CONTRACTS ON BLOCKCHAINS	PHILIPPE GABORIEAU;	
3,311	20210174317	2019-12-06	METHOD AND SYSTEM FOR MODIFIED MINING PROBABILITIES BASED ON FEES	Chandan GARG; Ankur ARORA; Aditya KODURI; Jaipal KUMAWAT;	MASTERCARD INTERNATIONAL INCORPORATED;
3,312	20200111083	2019-12-06	PLATFORM FOR FACILITATING CONNECTIVITY OF SMART FIREARMS	Kevin Barnes;	Blocksafe Holdings, Inc.;
3,313	20200111088	2019-12-05	SYSTEMS AND METHODS FOR SECURING DIGITAL GIFT CARDS WITH A PUBLIC LEDGER	Vinodan Lingham; Mark Levitt; Krisan Nichani; Guillaume Lebleu;	
3,314	20220027352	2019-12-03	PROOF-OF-WORK FOR BLOCKCHAIN APPLICATIONS	Roxana Teodor; Peter Ashton; Siamak Shahandashti; Ian Bancroft;	
3,315	20220067147	2019-12-03	SECURE DEPLOYMENT AND OPERATION OF A VIRTUAL PLATFORM SYSTEM	Christophe SCHMID;	
3,316	20210166167	2019-12-02	ARTIFICIAL INTELLIGENCE AND BLOCKCHAIN-BASED INTER-ENTERPRISE CREDIT RATING AND RISK ASSESSMENT METHOD AND SYSTEM	YUH LIN; HAN LEE; KO WANG;	
3,317	20200175507	2019-12-02	PROVIDING APPARATUS AND PROCESSING SYSTEM	Hitoshi YAMAKADO; Tsuyoshi KAMEDA; Hiroyuki KURAMOTO;	
3,318	20210089497	2019-11-30	METHOD, DEVICE, AND COMPUTER PROGRAM PRODUCT FOR MANAGING DATA OBJECT	Yizhou Zhou; Yuting Zhang;	
3,319	20210166202	2019-11-29	METHOD FOR MANAGING TIME-BASED CURRENCY	Hung-Yi CHEN; Shih-Yueh LIN; Shih-Han LIU;	
3,320	20220019575	2019-11-28	System And Method For Augmenting Database Applications With Blockchain Technology	Yuming QIAN;	ZeU Technologies, Inc.;

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#	Pub. No	Filed	Title	Inventors	Assignees
3,321	20200168307	2019-11-28	METHOD AND SYSTEM FOR ACCESSING ELECTRONIC MEDICAL AND HEALTH RECORDS BY BLOCKCHAIN	Ray-Jade Chen; Yu-Sheng Lo; Lan-Ying Kang; Christine Chen; Yi-Chen Tseng;	
3,322	20220391901	2019-11-28	USER IDENTITY SHARING SYSTEM USING DISTRIBUTED LEDGER TECHNOLOGY SECURITY PLATFORM FOR VIRTUAL ASSET SERVICE	Keundug PARK; Heung YOUM;	
3,323	20200168306	2019-11-28	METHOD AND SYSTEM FOR SHARING ELECTRONIC MEDICAL AND HEALTH RECORDS	Ray-Jade Chen; Yu-Sheng Lo; Lan-Ying Kang; Hsing-Nan Hou; Wan-Lin Chou;	
3,324	20220027492	2019-11-27	SYSTEMS AND METHODS FOR EFFICIENT AND SECURE PROCESSING, ACCESSING AND TRANSMISSION OF DATA VIA A BLOCKCHAIN NETWORK	Craig Wright; Owen Vaughan; Jack Davies; Chloe Tartan;	
3,325	20200167779	2019-11-27	High performance distributed system of record with confidence-based consensus	David Carver; Leen Al Shenibr; Samuel Delaughter; Samuel Erb; Vladimir Shtokman; Patrick Deegan; Thomas Houman;	Akamai Technologies, Inc.;
3,326	20200097733	2019-11-27	Securely Authenticating a Recording File from Initial Collection Through Post-Production and Distribution	Roderick HODGSON; Shamir ALLIBHAI;	Unveiled Labs, Inc.;
3,327	20200099512	2019-11-26	SYSTEM AND METHOD FOR SECURITY GATEWAY FOR HIGH SECURITY BLOCKCHAIN SYSTEMS	Dan Kikinis;	
3,328	20220045869	2019-11-26	BLOCKCHAIN-BASED CONSUMABLES MANAGEMENT WITH SUPPORT FOR OFFLINE INSTRUMENTS	Orlando SKEETE; Zbigniew MIODUSZEWSKI;	
3,329	20230034519	2019-11-25	BLOCKCHAIN BASED FACIAL ANONYMIZATION SYSTEM	Talal AHMED; Nevena TUSHEVA; Dimitar PRAMATAROV; Jörg NIEMÖLLER;	Telefonaktiebolaget LM Ericsson (publ);
3,330	20220035796	2019-11-23	Block Confirmation Method, Device and Storage Medium	Sijin WU; Zhiwen WANG;	
3,331	20220256340	2019-11-22	METHOD FOR PROVIDING ROAMING SERVICE BY USING BLOCKCHAIN AND APPARATUS THEREFOR	Jong LEE; Jong CHEONG;	HER, INC;
3,332	20210158229	2019-11-22	OPTION-BASED DISTRIBUTED RESERVATION SYSTEM	Sai Koti Reddy Danda; Pankaj Dayama; Praveen Jayachandran; Srikanth Tamilselvam; Amrita Saha; Priyanka Agrawal;	
3,333	20210067318	2019-11-21	SECURE AUTHENTICATION USING BLOCKCHAIN	Ghassan Karame; Claudio Soriente;	
3,334	20200160328	2019-11-21	LIGHTWEIGHT BLOCKCHAIN SUPPORTED TRANSACTION PLATFORM WITH DIGITAL BILL OPTIMIZATIONS AND DENOMINATIONS	Jun Yan;	
3,335	20200089690	2019-11-21	METHOD AND APPARATUS FOR COMMUNICATION BETWEEN BLOCKCHAIN NODES	Honglin Qiu;	Alibaba Group Holding Limited;
3,336	20210157783	2019-11-21	DYNAMIC UPDATES OF DECENTRALIZED INVOICES	Yedendra Shrinivasan; Krishnasuri Narayanam; Seep Goel; Abhishek Singh; Vishnu Choudhary; PARAMESWARAN SELVAM;	
3,337	20210035018	2019-11-21	Apparatus for verifying integrity of AI learning data and method therefor	In KIM; Namje Park; Donghyeok Lee;	
3,338	20200204375	2019-11-21	DISTRIBUTED LEDGERS FOR SHARING DATA IN THE AERONAUTICAL FIELD	François COULMEAU; Guillaume PABIA;	
3,339	20210150597	2019-11-20	AUTOMATED INVOICING	Yedendra Shrinivasan; Krishnasuri Narayanam; Seep Goel; Abhishek Singh; Vishnu Choudhary; Rak-Joon Choi; Krishna Ratakonda; Mudit Verma; Shreya Chakraborty;	
3,340	20200198797	2019-11-19	METHOD AND PROCESS FOR BLOCKCHAIN IMPLEMENTATION WITH THIRD PARTY DEVICES	Richard Skertic; John Costello; Robert Duge;	Rolls-Royce North American Technologies Inc.; Rolls-Royce Corporation;

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#	Pub. No	Filed	Title	Inventors	Assignees
3,341	20220030031	2019-11-19	3S-CHAIN: SMART, SECURE, AND SOFTWARE-DEFINED NETWORKING (SDN)-POWERED BLOCKCHAIN-POWERED NETWORKING AND MONITORING SYSTEM	Jin KOCSIS; Mututhanthrige Praveen Sameera FERNANDO; Yifu WU;	The University of Akron;
3,342	20220398553	2019-11-18	MEDIA DISTRIBUTION SYSTEM USING BLOCKCHAIN AND OPERATION METHOD THEREOF	In Son;	
3,343	20200084242	2019-11-18	SYSTEMS AND METHODS FOR BLOCKCHAIN SECURITY DATA INTELLIGENCE	Rakesh Katragadda; Juan Ramirez; G Kumar; Chandana Karipineni; Saritha Vellanki; Sudha Kolachalam;	
3,344	20220188815	2019-11-18	DISTRIBUTED LEDGER SYSTEMS, METHODS AND DEVICES	Christopher Higgins; Nicholas Beaugeard; Lyndon Higgins;	
3,345	20220070006	2019-11-18	METHODS, DEVICES AND SYSTEM FOR THE SECURITY-PROTECTED PROVISION OF SETS OF DATA	Thomas Jetzfellner;	Siemens Aktiengesellschaft;
3,346	20200201988	2019-11-18	IoT DEVICE MANAGED BASED ON BLOCK CHAIN, SYSTEM AND METHOD THEREOF	Kyung Park; Dong Shin; Chang Kim;	
3,347	20220006658	2019-11-15	NEURAL BLOCKCHAIN	Giacomo Benvenuti;	
3,348	20200160344	2019-11-15	Blockchain Transaction Analysis and Anti-Money Laundering Compliance Systems and Methods	David Jevans; Rudi Cilibrasi;	
3,349	20200159206	2019-11-15	METHODS AND SYSTEMS FOR DATA COLLECTION, LEARNING, AND STREAMING OF MACHINE SIGNALS FOR ANALYTICS AND MAINTENANCE USING THE INDUSTRIAL INTERNET OF THINGS	Charles Cella; Gerald Duffy, JR; Jeffrey McGuckin; Mehul Desai;	Strong Force IOT Portfolio 2016, LLC;
3,350	20220294608	2019-11-14	SYSTEMS AND METHODS FOR EFFICIENT AND SECURE PROCESSING, ACCESSING AND TRANSMISSION OF DATA VIA A BLOCKCHAIN NETWORK	Craig Wright; Owen Vaughan; Jack Davies; Chloe Tartan;	
3,351	20220294652	2019-11-14	SYSTEMS AND METHODS FOR EFFICIENT AND SECURE PROCESSING, ACCESSING AND TRANSMISSION OF DATA VIA A BLOCKCHAIN NETWORK	Craig Wright; Jack Davies; Chloe Tartan; Owen Vaughan;	
3,352	20220027905	2019-11-14	COMPUTER IMPLEMENTED SYSTEM AND METHOD FOR ENABLING ACCESS TO DATA STORED ON A BLOCKCHAIN	Craig Wright; Owen Vaughan; Jack Davies; Chloe Tartan;	
3,353	20220027903	2019-11-14	SYSTEMS AND METHODS FOR EFFICIENT AND SECURE PROCESSING, ACCESSING AND TRANSMISSION OF DATA VIA A BLOCKCHAIN NETWORK	Craig Wright; Owen Vaughan; Jack Davies; Chloe Tartan;	
3,354	20220029817	2019-11-14	COMPUTER IMPLEMENTED SYSTEM AND METHOD FOR STORING DATA ON A BLOCKCHAIN	Craig Wright; Jack Davies; Chloe Tartan; Owen Vaughan;	
3,355	20210399898	2019-11-14	COMPUTER IMPLEMENTED SYSTEM AND METHOD FOR STORING DATA ON A BLOCKCHAIN	Craig Wright; Jack Davies; Chloe Tartan; Owen Vaughan;	
3,356	20200151686	2019-11-14	SYSTEM AND METHOD FOR CROSS-BORDER BLOCKCHAIN PLATFORM	Venkatadri KOMANDUR; Goran ZUGIC;	
3,357	20220027491	2019-11-14	COMPUTER IMPLEMENTED SYSTEMS AND METHODS FOR STORING, RETRIEVING AND COMMUNICATION DATA VIA A PEER-TO-PEER NETWORK	Craig Wright; Owen Vaughan; Jack Davies; Chloe Tartan;	
3,358	20200177373	2019-11-14	SYSTEM AND METHOD FOR STORING CONTRACT DATA STRUCTURES ON PERMISSIONED DISTRIBUTED LEDGERS	Venkatadri KOMANDUR; Goran ZUGIC;	
3,359	20220012233	2019-11-13	Creation of a Blockchain with Blocks Comprising an Adjustable Number of Transaction Blocks and Multiple Intermediate Blocks	Oliver THURAU;	
3,360	20200152003	2019-11-13	GAMBLING SYSTEMS AND METHODS BASED ON BLOCKCHAIN TECHNOLOGY	Marios Georgiou; Yifan Jian; Chengwen Wang;	

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
3,361	20220067727	2019-11-13	METHOD FOR OPERATING A DISTRIBUTED DATABASE SYSTEM, DISTRIBUTED DATABASE SYSTEM, AND INDUSTRIAL AUTOMATION SYSTEM	Markus Dichtl;	
3,362	20200160289	2019-11-13	LAZY UPDATING AND STATE PREDICTION FOR BLOCKCHAIN-BASED APPLICATIONS	Amitt Mahajan; Payom Dousti; Gary Button;	
3,363	20200151709	2019-11-13	CRYPTO-CURRENCY BACKED STABLECOIN AND TOKEN LENDING FRAMEWORK	Andrew BRYAN;	
3,364	20220060330	2019-11-12	DEFINING AND MANAGING FORMS IN A DISTRIBUTED LEDGER TRUST NETWORK	Stanislav Natalenko; Jeffrey Keiser; Ashish Gadnis;	BanQu, Inc.;
3,365	20210399877	2019-11-12	PROPRIETOR TERMINAL, USER TERMINAL, NEW PROPRIETOR TERMINAL, PROPRIETOR PROGRAM, USER PROGRAM, NEW PRIORIETOR PROGRAM, CONTENT USE SYSTEM, AND DATA STRUCTURE OF ROUTE OBJECT DATA	Shigenori Ohashi; Atsushi Nakadaira; Shigeru Fujimura; Masayoshi CHIKADA; Tatsuro ISHIDA; Hiroki Watanabe;	
3,366	20200396079	2019-11-12	SYSTEM AND METHOD FOR SHARED SECRET ENCRYPTION AND VERIFICATION OF RECORDINGS OF MEETING PROCEEDINGS	Henning DEKANT; Scott Horlacher;	
3,367	20220123925	2019-11-11	SECURITY ENHANCED BLOCKCHAIN SYSTEM BASED ON DATA DOUBLE ENCRYPTION AND DECRYPTION	Hyun LEE;	BIGSTER INC.;
3,368	20220207116	2019-11-10	IDENTITY AUTHENTICATION MANAGEMENT SYSTEM IN VIRTUAL REALITY WORLD	Jae OK;	
3,369	20220006640	2019-11-07	BLOCKCHAIN WITH NON-TURING COMPLETE SYSTEM GUARDS	Justin Handville; Jacob Bowyer;	Velo Holdings Limited;
3,370	20200148072	2019-11-07	ENERGY CREDIT ACCOUNTING AND MANAGEMENT USING BLOCKCHAIN	Michael Ashley; Mark Johnson;	
3,371	20220019965	2019-11-06	COLD-CHAIN DELIVERY AND RETRIEVAL SYSTEM ON BASIS OF BLOCKCHAIN	Dong Choi;	
3,372	20200143471	2019-11-06	Decentralized Blockchain Oracle Price Discovery Platform with Bi-Directional Quotes	Mark Jackson; Kent Barton;	
3,373	20210132826	2019-11-06	SECURING A COLLECTION OF DEVICES USING A DISTRIBUTED LEDGER	Kwong Heng Alphonsus John Kwok; Kian Lim; Wei Teo; Vincent Uy; Nino Wicaksono;	
3,374	20200143466	2019-11-06	BLOCKCHAIN-BASED LENDING SYSTEMS AND METHODS	Jianxin Wu; Hanghang Qu;	
3,375	20200294006	2019-11-05	Peer to peer electronic data exchange	Altaf Hadi;	
3,376	20200153637	2019-11-05	INFORMATION PROCESSING SYSTEM, METHOD FOR PROVIDING DATA, AND METHOD FOR BUILDING INFORMATION PROCESSING SYSTEM	Masao SAKAI; Junya IWAZAKI; Eisuke KOIZUMI; Shingo HASEGAWA; Shuji ISOBE; Masayuki FUKUMITSU;	
3,377	20200143354	2019-11-05	EXPLOITATION OF AUGMENTED REALITY AND CRYPTOTOKEN ECONOMICS IN AN INFORMATION-CENTRIC NETWORK OF SMARTPHONE USERS AND OTHER IMAGING CYBORGS	David LaMountain; Jon Leonard;	ARKNET, INC.;
3,378	20220270191	2019-11-04	SYSTEM FOR AUTOMATICALLY SPLITTING SMART CONTRACT	Jong LEE; Do PAK;	PILAB CO., LTD;
3,379	20220036465	2019-11-01	SYSTEMS AND METHODS FOR DECENTRALIZING VEHICLE REGISTRATION USING BLOCKCHAIN	Brian Fields; Heath Crossland;	
3,380	20200111092	2019-11-01	FINANCIAL DERIVATIVE SMART CONTRACT EXECUTION PLATFORM, SYSTEM AND METHOD	Samuel WOOD; Hossein Kakavand;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,381	20210133729	2019-10-31	BLOCKCHAIN TRANSACTION CONTROL BASED ON PRIVATE KEY MANAGEMENT	SADAYOSHI MURAO; SRINIVAS PINGILI;	
3,382	20200143242	2019-10-31	SYSTEM AND METHOD FOR CREATING AND PROVIDING CRIME INTELLIGENCE BASED ON CROWDSOURCED INFORMATION STORED ON A BLOCKCHAIN	Kamea LAFONTAINE;	
3,383	20200134612	2019-10-31	BLOCKCHAIN BASED MESSAGING SYSTEM AND METHOD	Dmitry Fostiropulo; Alexander Kuntsman;	Advanced Planet Co. LTD;
3,384	20210135844	2019-10-31	BLOCKCHAIN-ENABLED CONTACT CENTER	Jafar Adibi;	
3,385	20210135845	2019-10-31	BLOCKCHAIN-ENABLED CONTACT CENTER	Jafar Adibi;	
3,386	20210135846	2019-10-31	BLOCKCHAIN-ENABLED CONTACT CENTER	Jafar Adibi;	
3,387	20210135856	2019-10-31	BLOCKCHAIN-ENABLED CONTACT CENTER	Jafar Adibi;	
3,388	20210135876	2019-10-31	BLOCKCHAIN-ENABLED CONTACT CENTER	Jafar Adibi;	
3,389	20220004562	2019-10-30	BLOCKCHAIN SYSTEM, APPROVAL TERMINAL, USER TERMINAL, HISTORY MANAGEMENT METHOD, AND HISTORY MANAGEMENT PROGRAM	Hiroki Watanabe; Tatsuro ISHIDA; Shigenori Ohashi; Shigeru Fujimura; Atsushi Nakadaira;	
3,390	20200327545	2019-10-30	PERFORMING PARALLEL EXECUTION OF TRANSACTIONS IN A DISTRIBUTED LEDGER SYSTEM	Guilu Xie;	Alibaba Group Holding Limited;
3,391	20200134719	2019-10-30	DISTRIBUTED LEDGER IMPLEMENTATION FOR ENTITY FORMATION AND MONITORING SYSTEM	Muhammad Malik; Rafael Lopez; Van Phu;	ZenBusiness PBC;
3,392	20210377263	2019-10-29	DISTRIBUTED COMPUTING SYSTEMS FOR STRONG USER AUTHENTICATION AND RELATED METHODS	SIMON LAW;	
3,393	20210126787	2019-10-29	OPTIMAL ENDORSER NODE DETERMINATION BASED ON STATE	Sayandeep Sen; Palanivel Kodeswaran; Dushyant Behl; Venkatraman Ramakrishna;	
3,394	20200134578	2019-10-25	BLOCKCHAIN CONSENSUS SYSTEMS AND METHODS INVOLVING A TIME PARAMETER	Runting Shi; Rafael Nat Josef Pass; Tsz Hong Hubert CHAN;	
3,395	20210397678	2019-10-23	RIGHT-HOLDER TERMINAL, USER TERMINAL, RIGHT-HOLDER PROGRAM, USER PROGRAM, CONTENT USAGE SYSTEM, AND CONTENT USAGE METHOD	Shigenori Ohashi; Shigeru Fujimura; Atsushi Nakadaira; Masayoshi CHIKADA; Tatsuro ISHIDA; Hiroki Watanabe;	
3,396	20210385084	2019-10-23	MONITORING A MANUFACTURING PROCESS	Regis Riveret; Silvano Tosatto; Nick Van Beest; Guido Governatori;	Commonwealth Scientific and Industrial Research Organisation;
3,397	20210357928	2019-10-22	BLOCKCHAIN SYSTEM, AND DATA TRANSACTION SYSTEM IN WHICH BLOCKCHAIN SYSTEM IS USED	Chikara MATSUNAGA;	
3,398	20200127844	2019-10-22	APPARATUS, SYSTEMS, AND METHODS FOR STEMMED BLOCKCHAIN OPERATION WITH SECURED PARTICIPANT IDENTITIES	Frode van der Laak; Zane Dawood;	
3,399	20200065794	2019-10-22	SYSTEM AND METHOD FOR CONDUCTING AND SECURING TRANSACTIONS WHEN BLOCKCHAIN CONNECTION IS UNRELIABLE	Dan Kikinis; Haim Dror;	
3,400	20220035950	2019-10-21	PRIVACY-PRESERVING MOBILITY AS A SERVICE SUPPORTED BY BLOCKCHAIN	Hideji WAKABAYASHI;	Sony Corporation;

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#	Pub. No	Filed	Title	Inventors	Assignees
3,401	20210117938	2019-10-21	METHOD AND SYSTEM FOR CONTROL OF PII THROUGH LIMITING TRANSFERS ON BLOCKCHAIN	Ankur ARORA; Jaipal KUMAWAT; Chandan GARG;	MASTERCARD INTERNATIONAL INCORPORATED;
3,402	20210117896	2019-10-18	SUPPLY-CHAIN SIMULATION	Ali Koc; Pavithra Harsha; Ashish Jagmohan; Ajay Deshpande; Rakesh Mohan; Yun Zhang;	
3,403	20210117919	2019-10-18	LAST-MILE DELIVER COORDINATION	Elisabeth Paulson; Ashish Jagmohan; Krishna Ratakonda; Pavithra Harsha; Ajay Deshpande;	
3,404	20200125757	2019-10-18	DISTRIBUTED AND BLOCKCHAIN-BASED STUDENT ACADEMIC LEDGER SYSTEMS AND METHODS	James McKendree; Egidio Terra; Luba Schuyler;	Oracle International Corporation;
3,405	20210005296	2019-10-17	SYSTEM AND METHOD FOR DETERMINING BEST PRACTICES FOR THIRD PARTIES ACCESSING A HEALTH CARE NETWORK	Chrissa McFarlane;	
3,406	20200136829	2019-10-17	Data Management System Using Multiple Blockchains	Neil Keon; Michael Cho;	
3,407	20220006648	2019-10-16	CONTRACT APPARATUS AND METHOD OF BLOCKCHAIN USING DIGITAL CONTENTS ORGINAL KEY	Sang LEE; So SONG; Do RHEE; Byeong RHEE;	
3,408	20210409225	2019-10-16	CONTRACT APPARATUS AND METHOD OF BLOCKCHAIN USING LOCATION INFORMATION	Sang LEE; So SONG; Do RHEE; Byeong RHEE;	
3,409	20210110923	2019-10-15	SHARED DISTRIBUTED EMERGENCY SYSTEM AND METHOD OF MANAGING EMERGENCY EVENTS	Ioannis Kolaxis;	
3,410	20210004791	2019-10-11	GUARANTEEING SERVER AND METHOD FOR TRANSACTION ON BLOCKCHAIN	Bo-Ting LIU; Yao-Hao CHEN; Ta-Wei MIN; Chi-Liang CHENG; Wan-Wei TENG;	
3,411	20210398134	2019-10-11	Biocrypt Digital Wallet	Francois DUMAS; Yuming QIAN;	ZEU CRYPTO NETWORKS INC.;
3,412	20210109534	2019-10-11	METHOD OF NO DOUBLE-SPACE SPENDING FOR DRIVERLESS VEHICLES	Bryan Solstin;	
3,413	20210344510	2019-10-09	COMPUTER-IMPLEMENTED SYSTEM AND METHOD INCLUDING PUBLIC KEY COMBINATION VERIFICATION	Craig WRIGHT; Owen VAUGHAN;	
3,414	20200112441	2019-10-09	METHODS AND SYSTEMS FOR PERFORMING UNMALLEABLE EVENT LOGGING OF KEY MANAGEMENT FUNCTIONS USING DISTRIBUTED LEDGERS	Ian Spiro; Gregg Spiro; Gary Jackson; Thomas Hardjono;	
3,415	20210103578	2019-10-07	RELATIONAL DATABASE BLOCKCHAIN ACCOUNTABILITY	Devon Beckett; James Fletcher; Max Hirsch; Vidya Mudalagiri Venkatesha; Alex George;	Unisys Corporation;
3,416	20200184548	2019-10-07	SYSTEMS AND METHODS FOR LEASING EQUIPMENT OR FACILITIES USING BLOCKCHAIN TECHNOLOGY	Sujay RAO; Satyanarayan KAR; Lisa BUTTERS; Keerthi JAYARAJAN; Kamesh PALANI; Koyalkar KISHORE; S Kumar; Kariyappa Singadi;	Honeywell International Inc.;
3,417	20200234003	2019-10-07	METHOD, SYSTEM AND APPARATUS FOR GENERATING, EDITING, AND DEPLOYING NATIVE MOBILE APPS AND UTILIZING DEEP LEARNING FOR INSTANT DIGITAL CONVERSION	Alex Bakman;	
3,418	20210390161	2019-10-04	CONTENT CONTRACT SYSTEM, CONTENT CONTRACT METHOD, RIGHTS HOLDER TERMINAL, ALIENEE TERMINAL, CONTENT ACCUMULATION SERVER, RIGHTS HOLDER PROGRAM, ALIENEE PROGRAM, CONTROL PROGRAM, AND CONTENT ACCUMULATION PROGRAM	Atsushi Nakadaira; Hiroki Watanabe; Shigeru Fujimura; Shigenori Ohashi; Tatsuro ISHIDA; Kota HIDAKA;	
3,419	20210104326	2019-10-04	DETECTING PRESCRIPTION DRUG ABUSE USING A DISTRIBUTED LEDGER AND MACHINE LEARNING	Mario Lorenzo; Thembani Togwe; Komminist Weldemariam; Manivannan Thavasi;	
3,420	20200111186	2019-10-03	SYSTEM AND METHOD FOR MANAGING AND TRACKING IP, PARTICULARLY ABANDONED IP, ON A BLOCKCHAIN	Jason BARKELOO;	Knowbella Tech, LLC;

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#	Pub. No	Filed	Title	Inventors	Assignees
3,421	20200106602	2019-10-01	BLOCKCHAIN SYSTEM HAVING MULTIPLE PARITY LEVELS AND MULTIPLE LAYERS FOR IMPROVED DATA SECURITY	Lucas Avelino Sodre Santos; Lupercio Junior; Stephen Harkey;	
3,422	20210072033	2019-10-01	LOGISTICS AND TRANSPORTATION TECHNOLOGIES	Syed Mohammad Amir Husain;	
3,423	20220327572	2019-09-30	ADVERTISEMENT DISTRIBUTION GUARANTEE APPARATUS, ADVERTISEMENT DISTRIBUTION GUARANTEE METHOD, AND COMPUTER-READABLE RECORDING MEDIUM	Sanami NAKAGAWA; Keisuke KAJIGAYA;	NEC Corporation;
3,424	20200104796	2019-09-30	Smart Contracts	Chao Cheng-Shorland; Amir Alishahi; Dmitry Goroshevsky;	ShelterZoom;
3,425	20200104958	2019-09-30	Smart Contracts	Chao Cheng-Shorland; Amir Alishahi; Dmitry Goroshevsky;	ShelterZoom;
3,426	20220286305	2019-09-27	SECURED HD MAP SERVICES USING BLOCKCHAIN	Soo Tan; Qian Li; Leifeng Ruan;	
3,427	20210099313	2019-09-26	METHOD, APPARATUS, AND SYSTEM FOR PROVIDING A CONSENT MANAGEMENT SYSTEM ON A CRYTOGRAPHIC LEDGER	Oleksandr KONDRASHOV; Giovanni LANFRANCHI; Ihor MUDRYY;	
3,428	20210004482	2019-09-26	SYSTEM AND METHOD OF ENHANCING SECURITY OF DATA IN A HEALTH CARE NETWORK	Chrissa McFarlane;	
3,429	20210005293	2019-09-26	SYSTEM AND METHOD FOR PROVIDING ACCESS OF A USER'S HEALTH INFORMATION TO THIRD PARTIES	Chrissa McFarlane;	
3,430	20210406866	2019-09-25	Method for Processing a Transaction, Corresponding Device, System and Program	Pierre Quentin;	
3,431	20210091926	2019-09-25	ASSESSING PERMISSIONED BLOCKCHAINS	Venkatesh RAMASWAMY; David PENNY;	The MITRE Corporation;
3,432	20210005299	2019-09-25	SYSTEM AND METHOD FOR IMPROVING TREATMENT OF A CHRONIC DISEASE OF A PATIENT	Chrissa McFarlane;	
3,433	20210158335	2019-09-24	BLOCKCHAIN TOKENIZATION	Benjamin BOLLEN; Nishith SHAH; Sunil KHEDAR; Jason GOLDBERG;	
3,434	20200098072	2019-09-24	EMPLOYER AND WORKER REVIEW PLATFORM WITH ON DEMAND EMPLOYMENT CONTRACTS	Elizabeth Escobar;	
3,435	20220050449	2019-09-21	TECHNOLOGY CONFIGURED TO FACILITATE MONITORING OF OPERATIONAL PARAMETERS AND MAINTENANCE CONDITIONS OF PHYSICAL INFRASTRUCTURE	Dale Brett; Adam Geha; Michael Easson; Josh Ridley;	
3,436	20200143469	2019-09-20	TECHNOLOGICAL IMPROVEMENTS TO NETWORKED COMPUTER SYSTEMS HAVING PARTICULARIZED COMPONENTS THAT ARE SPECIALLY PROGRAMMED TO UNCONVENTIONALLY EFFECTUATE EFFICIENT BLOCKCHAIN STORAGE	Steve Stewart; Roberto Menendez;	VEZT, INC.;
3,437	20210344500	2019-09-19	COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR TRANSFERRING ACCESS TO DIGITAL RESOURCE	Owen VAUGHAN;	
3,438	20210092127	2019-09-19	WRITING ROLE-BACKED ACCESS CONTROL TO CHAIN	Zhen LI; Isaac WOODEN;	Microsoft Technology Licensing, LLC;
3,439	20200092084	2019-09-18	SYSTEM AND METHODS FOR OPERATING A BLOCKCHAIN NETWORK	Bryant Maroney; Corey Ballou;	
3,440	20210357927	2019-09-17	TRANSACTION AUTHENTICATION SYSTEM AND RELATED METHODS	David Kita; David Williams; Dhruva Kulkarni; Mateusz Pospieszny; Pramod Madabhushi;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,441	20210272114	2019-09-17	COMPUTER SYSTEM FOR HANDLING SECURITIZED TOKEN AND VOTING CONTRACTS AND DISTRIBUTION AND VOTING TRANSACTIONS	David Kita; David Williams; Pramod Madabhushi;	
3,442	20210083876	2019-09-17	DISTRIBUTED LEDGER APPLIANCE AND METHODS OF USE	Jonathan Harms;	
3,443	20200089720	2019-09-12	DELIVERY OF CONTEXTUAL CONTENT USING BLOCKCHAIN DATA	Keith Dallara;	
3,444	20210406877	2019-09-12	Digital Asset Custody Method and Apparatus and Storage Medium	Sijin WU; Zhiwen WANG;	
3,445	20200090188	2019-09-12	AUTONOMOUS DATA EXCHANGE MARKETPLACE SYSTEM AND METHODS	Tyler Wince; Ronnie Wince; Stephen Meyers;	
3,446	20200090795	2019-09-12	METHOD AND SYSTEM FOR SHARING PRIVACY DATA BASED ON SMART CONTRACTS	Edward Chang; Chung-Huan Mei; Chun-Ting Liu; Shih-Wei Liao; Wei-Chen Lin; Pin-Wei Liao; Wei-Kang Fu;	HTC Corporation;
3,447	20200294038	2019-09-10	SYSTEM AND METHOD FOR EXECUTING TRANSACTIONS ON BLOCKCHAIN NETWORKS	Barry KREISER; James GRAHAM; Curtis STANFORD; Mike GEE;	GuildOne Inc.;
3,448	20200084045	2019-09-10	ESTABLISHING PROVENANCE OF DIGITAL ASSETS USING BLOCKCHAIN SYSTEM	Andrew Cohen; Ryan Kirby; Michael Kolodny;	
3,449	20220045867	2019-09-09	SYSTEM AND METHOD FOR SECURE MULTI-PARTY COMPUTATION BASED BLOCKCHAIN TRANSACTION	Tal BEERY; Ouriel OHAYON; Omer SHLOMOVITS; Gary BENATTAR;	KZEN NETWORKS LTD;
3,450	20200084027	2019-09-06	SYSTEMS AND METHODS FOR ENCRYPTION OF DATA ON A BLOCKCHAIN	Lubomir DUCHON; Richard HOLZEIS;	
3,451	20210272113	2019-09-06	TRANSACTION AUDIT SYSTEM	Masanori YASUMITSU; Takanobu OUCHI; Seiichi YOKOOHJI;	ATRRIS CORPORATION;
3,452	20210192012	2019-09-06	RIGHT HOLDER TERMINAL, USER TERMINAL, RIGHT HOLDER PROGRAM, USER PROGRAM, CONTENT UTILIZATION SYSTEM, AND CONTENT UTILIZATION METHOD	Shigenori Ohashi; Tatsuro ISHIDA; Masayoshi CHIKADA; Shigeru Fujimura; Atsushi Nakadaira; Hiroki Watanabe;	
3,453	20220215360	2019-09-05	METHOD AND SYSTEM FOR MANAGING POINTS IN KARAOKE APPLICATION BY USING BLOCKCHAIN NETWORK	Heuibae KIM; Hyunkeun YOON; Kyuyup KIM;	
3,454	20200065761	2019-09-05	SYSTEM AND METHOD FOR PROVISION OF SUPPLY CHAIN FINANCING OF ETHICALLY VERIFIED PRODUCT WHERE THERE HAS BEEN VERIFICATION OF PRODUCTION PROCESSES AND PRODUCTS INSPECTION USING BLOCKCHAIN SMART CONTRACTS	Shona TATCHELL;	
3,455	20190392437	2019-09-05	REAL-TIME NET SETTLEMENT BY DISTRIBUTED LEDGER SYSTEM	Brandon Castagna; Bethe Warner;	BANK OF AMERICA CORPORATION;
3,456	20210067342	2019-09-04	Decentralized Generation and Management of Product Identifiers and Metadata	Dominique Guinard; Joel Vogt; Niall Murphy; Shmuel Silverman;	EVRYTHNG Ltd.;
3,457	20200074543	2019-09-04	A SYSTEM FOR PROVIDING A DISTRIBUTED NETWORK TO VALIDATE TRANSACTIONS FOR FINANCING	HARNEK CHANDI;	
3,458	20210065304	2019-09-03	CONTRACT AUTOMATION WITH BLOCKCHAIN BASED INTERACTION AND RECORDING	William Greene; Thomas Neeley; Amanda Li;	
3,459	20210067739	2019-09-03	SYSTEMS AND METHODS OF USING A BLOCKCHAIN TO SECURE A BUILDING MANAGEMENT SYSTEM	Deepak Meganathan; RajeshBabu Nalukurthy; Srivatsa Haridas; Leehm Tang; Zhanka Xue; Kun Liu;	
3,460	20200106623	2019-08-30	METHOD AND SYSTEM FOR A TRUSTED EXECUTION ENVIRONMENT-BASED PROOF OF STAKE PROTOCOL	Sebastien Andreina; Ghassan Karame; Wenting Li; Giorgia Marson;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,461	20220044231	2019-08-29	ATTEMPT ASSISTANCE SYSTEM	Hiroshi TANIMOTO;	
3,462	20210383379	2019-08-28	TRANSACTION SYSTEM AND METHOD FOR REAL ESTATE AND CRYPTOCURRENCY USING BLOCKCHAIN TECHNOLOGY	YOUNG CHOI;	
3,463	20190392530	2019-08-28	SYSTEM AND METHOD FOR DECENTRALIZED REGULATION AND HIERARCHICAL CONTROL OF BLOCKCHAIN ARCHITECTURE	Eren Kursun;	BANK OF AMERICA CORPORATION;
3,464	20210365584	2019-08-28	PORTABLE REPUTATION BROKERING USING LINKED BLOCKCHAINS AND SHARED EVENTS	Theodore Harris; Tatiana Korolevskaya; Yue Li;	
3,465	20210320806	2019-08-28	SYSTEM AND METHOD FOR IMPROVED BLOCKCHAIN-IMPLEMENTED SMART CONTRACT	Jean-Denis BOUDREAULT;	NEURALIA TECHNOLOGIES INC.;
3,466	20200074547	2019-08-28	BLOCKCHAIN-ENABLED ELECTRONIC FUTURES TRADING SYSTEM WITH OPTIONAL COMPUTERIZED DELIVERY OF CRYPTOCURRENCY	Donald Wilson, JR; Joel Nordell; David Werblowsky; Michael Riddle, JR;	
3,467	20200090142	2019-08-26	FINANCIAL TRANSACTIONS SYSTEM AND METHOD UTILIZING BLOCKCHAIN TRANSFERS	Roberto Kafati;	
3,468	20220303125	2019-08-26	INFORMATION PROCESSING APPARATUS, NODE, DATA RECORDING METHOD, AND COMPUTER READABLE MEDIUM	Batnyam ENKHTAIVAN; Akiko INOUE;	NEC Corporation;
3,469	20210065301	2019-08-26	SYSTEMS AND METHODS FOR MANAGING A MONEY MARKET OF DIGITAL ASSETS	Robert LESHNER; Geoffrey HAYES; Jared FLATOW; Torrey ATCITTY; Coburn BERRY;	COMPOUND LABS, INC.;
3,470	20200074420	2019-08-26	PROVIDING DEVICE, PROCESSING SYSTEM, AND COMMUNICATION METHOD	Hitoshi YAMAKADO; Tsuyoshi KAMEDA; Hiroyuki KURAMOTO;	
3,471	20220391845	2019-08-23	GREEN-LIGHT CAMPAIGN(TM) SYSTEM AND METHOD	Tatiana ALEXA; Stan MASHOV;	SANGROVE, INC.;
3,472	20210058353	2019-08-23	System for Distributed Messages Via Smart Contracts	Jacob Creech; Jayaraman Ganeshmani;	
3,473	20200065922	2019-08-21	Blockchain Contracts	Demian Goldstraj;	
3,474	20210057097	2019-08-21	DETECTION OF PRODUCT RESTRICTIONS	Merve Unuvar; Henry Will, IV; Suzanne Livingston; Patrick Lowry;	
3,475	20210056557	2019-08-20	METHOD AND SYSTEM FOR VERIFYING POINT OF SALE AUTHENTICITY THROUGH BLOCKCHAIN DISTRIBUTED LEDGER	Prashant SHARMA; Amy WU; Philip Wei Ping YEN; Rajat MAHESHWARI;	MASTERCARD INTERNATIONAL INCORPORATED;
3,476	20210056620	2019-08-19	MULTI-LENDER CREDIT HISTORY RECORD BLOCKCHAIN	Qiaochu TANG; Stephen WYLIE; Geoffrey DAGLEY; Jason HOOVER; Micah PRICE;	Capital One Services, LLC;
3,477	20200058055	2019-08-19	BLOCKCHAIN FOR THE COMMON GOOD: DIGITAL CURRENCY FOR CITIZEN PHILANTHROPY AND SOCIAL ENTREPRENEURSHIP	Rahul SIMHA; Shweta JAIN;	
3,478	20210344498	2019-08-19	SYSTEM, METHOD, AND COMPUTER PROGRAM FOR SECURE AUTHENTICATION OF LIVE VIDEO	Sergey PERUNOV;	
3,479	20210350363	2019-08-16	TRANSACTION SYSTEM AND METHOD OF OPERATION THEREOF	Toby Simpson; Troels Rønnow; Jonathan Ward;	
3,480	20200058163	2019-08-16	System and Method for Mapping a Virtual Building Model	Oliver Zechlin; Christian Frey;	Siemens Schweiz AG;

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#	Pub. No	Filed	Title	Inventors	Assignees
3,481	20220292467	2019-08-14	TRADE SETTLEMENT SYSTEM, TRADE SETTLEMENT METHOD, AND TRADE SETTLEMENT PROGRAM	Tetsunosuke SHINYA;	Tokio Marine & Nichido Fire Insurance Co., Ltd.;
3,482	20200058019	2019-08-14	VIEWER DATA ACCESS MANAGEMENT	Ashwin Navin; David Harrison;	
3,483	20200059369	2019-08-13	DETERMINING CONSENSUS BY PARALLEL PROOF OF VOTING IN CONSORTIUM BLOCKCHAIN	Hui Li; Han Wang; Jiansen Huang; Huajun Ma; Feng Yin; Yongjie Bai; Kaixuan Xing; Kedan Li; Hanxu Hou;	
3,484	20210042826	2019-08-09	DECENTRALIZED DISTRIBUTION SYSTEM SUBSTANTIATED BY CRUDE OIL RESERVES ON A BLOCKCHAIN NETWORK	William Pete; Lucas Hoath;	Other;
3,485	20200052917	2019-08-09	SYSTEMS AND METHODS FOR AN ONLINE MEDIA MARKETPLACE	Edward Corral; Cedric Cobban;	
3,486	20210042582	2019-08-08	SYSTEM AND METHOD FOR MONITORING HEALTH OF CROP TO VALIDATE CROP INSURANCE CLAIM	VIDYADHAR HANDRAGAL; KRISTOPHER LE; PRAKASH HATTI; PREM ANAND;	ZUNA INC.;
3,487	20200349638	2019-08-08	STELLAR BANKS EXTERNAL TRANSACTION AGENT FOR INTERNATIONAL REMITTANCE ON STELLAR NETWORK	Haim Raiz;	
3,488	20220253562	2019-08-07	INTELLIGENT SYSTEM FOR AUTHENTICATION OF HANDMADE CARPET	Amirhossein Roshanzamir;	
3,489	20210039659	2019-08-07	Member Device Trust Network and Distributed Sensor Network	Craig Trim; Shikhar Kwatra; Liam Harpur; Adam Griffin;	
3,490	20200051039	2019-08-07	SYSTEM AND METHOD FOR A DISTRIBUTED LEDGER FOR INDUSTRIAL ASSET MANAGEMENT	Joseph JURICH; Chris JOHNSON; Todd MATTINGLY;	Walmart Apollo, LLC;
3,491	20200051066	2019-08-07	SYSTEM AND METHOD FOR A DISTRIBUTED LEDGER FOR INFORMATION TECHNOLOGY ASSET MANAGEMENT	Joseph JURICH; Chris JOHNSON; Todd MATTINGLY;	Walmart Apollo, LLC;
3,492	20200051092	2019-08-06	SYSTEM AND METHOD FOR PRODUCT RECALL USING BLOCKCHAIN	Derric D'Souza; Precious Baugh; Rachel D'Souza; Greg Sanders; Enoch Acheampong; Michael Williams; Michael Andrew Budell Fischer;	
3,493	20220166667	2019-08-06	METHODS AND DEVICES FOR RESOURCE SHARING USING SMART CONTRACTS	Giuseppe CELOZZI; Luca BALDINI; Daniele GAITO; Gaetano PATRIA;	Telefonaktiebolaget LM Ericsson (publ);
3,494	20200151784	2019-08-05	SYSTEMS AND METHODS FOR GENERATING A DIGITAL IDENTITY OF EQUIPMENT ON AN EQUIPMENT ONLINE MARKETPLACE PLATFORM	Satyanarayan Kar; Lisa Butters; Sujay Rao; Keerthi Jayarajan; Sravan Kommuri; Sathish Muthukrishnan;	Honeywell International Inc.;
3,495	20200043016	2019-08-05	NETWORK NODE FOR PROCESSING MEASUREMENT DATA	Bernd Nicklis;	
3,496	20210174432	2019-08-02	COMPUTER IMPLEMENTED METHOD AND SYSTEM FOR UPDATING A DATABASE SYSTEM FOR A BLOCKCHAIN VERSION CONTROL SYSTEM; COMPUTER IMPLEMENTED METHODS OF AUCTIONING AN ITEM FOR A SELLER, AND COMPUTER IMPLEMENTED METHOD OF UPDATING A SMART CONTRACT	Guillaume GONNAUD; Edouard BESSIRE; Hugo MCDONAUGH;	
3,497	20210035110	2019-08-02	BLOCKCHAIN TRANSACTION FUZZY VALIDATION	Kelsey Bruso; Kevin Flanders;	Unisys Corporation;
3,498	20190354977	2019-08-02	CONSENSUS VERIFICATION METHOD AND DEVICE	Qiang Tang;	Alibaba Group Holding Limited;
3,499	20210234667	2019-08-01	METHOD AND SYSTEM FOR PROOF OF ELECTION ON A BLOCKCHAIN	Jean-Denis Boudreault;	
3,500	20210312396	2019-08-01	SYSTEMS AND METHODS FOR ORGANIZING AND SHARING CONTACT AND CALENDAR INFORMATION	Brigitte Mueller;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,501	20200043001	2019-08-01	Pet Food Traceability System and Method Therefor	Man Ng;	
3,502	20200043113	2019-08-01	System for Dynamically Evaluating the Fairness of Contract Terms	Michael DePalma; Dharmendra Etwaru;	
3,503	20200042305	2019-07-31	SYSTEM AND METHOD FOR SECURE PEER DEPLOYMENT OF SOFTWARE TO NETWORKED DEVICES	William SU; Jia ZHANG;	
3,504	20200058007	2019-07-30	DATA EXCHANGE PLATFORM USING BLOCKCHAIN	Ghassan Karame; Miguel GARCIA GALVAO ALMEIDA;	
3,505	20210357461	2019-07-29	METHOD, APPARATUS AND STORAGE MEDIUM FOR SEARCHING BLOCKCHAIN DATA	Shiyuan Xiao;	
3,506	20210240784	2019-07-29	METHOD, APPARATUS AND STORAGE MEDIUM FOR SEARCHING BLOCKCHAIN DATA	Shiyuan Xiao;	
3,507	20220277405	2019-07-26	Adaptation of a Production Process, Edge Device of an Industrial Control System and Product Ordering Process	Rafael ANICET ZANINI; Tassio DE SOUZA; Gautier JEHL;	
3,508	20200394619	2019-07-26	DYNAMIC VARYIANCE OF CRYPTO TOKENS SUPPLY INCLUDING USER HOLDINGS	Yassir Fathi A Afaneh;	
3,509	20200034834	2019-07-26	BLOCKCHAIN-BASED ASSET TRANSFER METHOD AND APPARATUS, AND ELECTRONIC DEVICE	Lichun Li; Zheng Liu; Shan Yin; Wenbin Zhang; Baoli Ma;	Alibaba Group Holding Limited;
3,510	20200034919	2019-07-26	BLOCKCHAIN-BASED SERVICE RENTAL METHODS AND DEVICES	Honglin Qiu; Hui Zhang;	Alibaba Group Holding Limited;
3,511	20200058018	2019-07-25	FINANCIAL INVESTMENT ALGORITHM TRADING METHOD AND SYSTEM BASED ON BLOCKCHAIN SMART CONTRACT	Chao-Ming CHO;	
3,512	20200034311	2019-07-25	MULTI-LEVEL STORAGE METHOD AND APPARATUS FOR BLOCKCHAIN DATA	Shifeng Wang;	Alibaba Group Holding Limited;
3,513	20210303543	2019-07-25	MESSAGE INFORMATION MANAGEMENT SYSTEM, MESSAGE INFORMATION MANAGEMENT METHOD, MESSAGE INFORMATION MANAGEMENT DEVICE, AND MESSAGE INFORMATION MANAGEMENT PROGRAM	Yuki AKAMATSU; Noritaka HORIKOME; Ikuo OTANI;	
3,514	20210027265	2019-07-24	CONTENT DELIVERY SYSTEMS THAT USE BLOCKCHAIN TO MANAGE CONTENT	Charles Hasek, IV;	
3,515	20210029163	2019-07-24	SECURITY LAYER FOR CONFIGURING BLOCKCHAIN	Dushyant Behl; Praveen Jayachandran;	
3,516	20210272076	2019-07-23	METHOD AND SYSTEM FOR CHARGING COPYRIGHT ROYALTY AND ALLOCATING PROFIT ON BASIS OF DOMAIN-DIGITAL ASSET LINKAGE	Chung LEE;	
3,517	20210028922	2019-07-22	METHODS AND SYSTEMS FOR BLOCKCHAIN SECURED DYNAMIC LOGIC SYSTEM FOR DYNAMIC ON A CHIP (DLSoC) PROCESSOR AND SOFT CODE ECOSYSTEM	ROBERT LEDZIUS;	
3,518	20200042513	2019-07-22	TRANSACTION CONTROL DEVICE, TRANSACTION CONTROL METHOD	Tsunekazu SHIMA; Jun KOGURE;	FUJITSU LIMITED;
3,519	20200027089	2019-07-19	BLOCKCHAIN TRANSACTION SAFETY USING SMART CONTRACTS	David Kuchar; Malcolm Garland; Harrison Dahme; David Grossblatt; Eric Bravick; Steven Harlow;	Coral Protocol;
3,520	20190342382	2019-07-19	METHOD AND ELECTRONIC DEVICE FOR SUPPORTING ARTIFICIAL PARTICIPATION IN DECISION-MAKING OF BLOCKCHAIN	Zhengchao TANG; Jingqi CAO;	

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PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
3,521	20200027010	2019-07-19	Decentralized Distributed Machine Learning	Thomas Lorenc; Cosmas Wong;	Grey Jean Technologies LLC;
3,522	20220147995	2019-07-18	TURING-COMPLETE SMART CONTRACTS FOR CRYPTOCURRENCIES	Karl WUEST; Sinisa MATETIC; Ghassan KARAME; Srdjan CAPKUN;	
3,523	20210166222	2019-07-18	ARRANGEMENT OF BLOCKCHAINS WITH A RESTRICTED TRANSACTION	Alberto HERNANDEZ ACOSTA; Rubén NIETO MARTÍN-VARÉS;	ALLFUNDS BANK, S.A.U;
3,524	20210264459	2019-07-17	A METHOD OF LOYALTY EXCHANGE TRANSACTION BY USING BLOCKCHAIN FOR REWARD POINT EXCHANGE	Pak CHEN;	
3,525	20190340608	2019-07-17	NOVEL APPLICATION OF BLOCKCHAIN DATA STRUCTURES FOR LIVE AND RECORDED BROADCAST AUDITING	JOHN LINDSAY; DIEGO MARTIN-ADAN; FABIANO GUIMARAIS;	INWAGE LLC;
3,526	20220086006	2019-07-17	COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR ASSET MIXING	Pauline BERNAT; Silvia BARTOLUCCI;	
3,527	20210021407	2019-07-17	APPARATUS AND METHODS FOR BLOCKCHAIN-BASED VERIFICATION	Srilal Weerasinghe; Vipul Patel; Basil Badawiyeh; David Agranoff;	
3,528	20200027315	2019-07-17	SYSTEM, METHOD, AND DECENTRALIZED APPLICATION FOR BLOCKCHAIN-BASED GAMBLING	Justin Cotton;	
3,529	20210342833	2019-07-16	ITEM-GENERATING METHOD BASED ON BLOCKCHAIN	Ho Shin;	
3,530	20210019717	2019-07-16	METHOD AND SYSTEM FOR MANAGEMENT OF DIGITAL MEDIA RIGHTS VIA BLOCKCHAIN	Stephen FLINTER; Hao TANG; Justin PINKHAM; Karl INGRAM; Holly LYSAGHT;	Mastercard International Incorporated;
3,531	20200027117	2019-07-16	Real-Time Trusted Blockchain Attribution Platform	Christos Cotsakos; Serge Massicotte;	
3,532	20210021425	2019-07-16	METHOD, PLATFORM AND SYSTEM FOR ENSURING AUDITABILITY OF AN IMMUTABLE DIGITAL TRANSACTION	Mauricio DE ALMEIDA;	
3,533	20190340169	2019-07-15	BLOCKCHAIN MANAGEMENT METHOD AND BLOCKCHAIN MANAGEMENT SYSTEM	Tsunekazu SHIMA; Jun KOGURE;	FUJITSU LIMITED;
3,534	20200013046	2019-07-14	APPARATUS AND METHOD FOR PROVIDING TRANSACTION SECURITY AND/OR ACCOUNT SECURITY	RAYMOND JOAO;	
3,535	20220255754	2019-07-12	CONTROL APPARATUS, DATA REGISTRATION SYSTEM, AND CONTROL PROGRAM	Tatsuro ISHIDA; Atsushi NAKADAIRA; Shigeru FUJIMURA; Shigenori OHASHI; Hiroki WATANABE;	
3,536	20210012447	2019-07-12	Method and System for Processing Firearm-Related Data	Mathieu Glaude; Mark Lawson;	
3,537	20200034356	2019-07-11	METHOD, APPARATUS, DEVICE AND STORAGE MEDIUM FOR IMPLEMENTING APPLICATION BASED ON BLOCKCHAIN NETWORK	Ya'nan YU;	
3,538	20220279041	2019-07-10	DATA SHARING SYSTEM, MANAGEMENT TERMINAL, DATA SHARING METHOD, AND DATA SHARING PROGRAM	Tatsuro ISHIDA; Atsushi NAKADAIRA; Shigeru Fujimura; Shigenori Ohashi; Hiroki Watanabe;	
3,539	20210014046	2019-07-10	ASSURED LEDGER OF RECORDS	Kirill Ivkushkin; Vladimir Stepanov; Pavel Kirillov; Andrei Zhulin; Petr Fedchenkov; Dmitrii Zhulin;	
3,540	20200042933	2019-07-10	DETERMINING ITEM MORTALITY BASED ON TRACKED ENVIRONMENTAL CONDITIONS DURING TRANSIT	Joseph Jurich, JR; David Schuhardt;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,541	20200013055	2019-07-09	Systems and Methods for Blockchain Based Identity Verification and Transaction Processing	Richard Sandor;	
3,542	20210273780	2019-07-08	ENCRYPTED BLOCKCHAIN VOTING SYSTEM	Dragos-Liviu Crintea; Paul Cannon;	
3,543	20210012335	2019-07-08	METHODS FOR BUILDING ASSETS BLOCKCHAIN FOR ASSET BACKED DIGITIZATION AND SECURITIZATION OF REAL ESTATE PROSPECTIVE EARNINGS ASSETS	Shao ZHU; Gu CHEN; Jun BIAN; Keith WENG;	
3,544	20210012416	2019-07-08	METHODS FOR BUILDING ASSETS BLOCKCHAIN FOR ASSET BACKED DIGITIZATION AND SECURITIZATION OF UTILITY INDUSTRY INFRASTRUCTURE ASSETS	Shao ZHU; Gu CHEN; Jun BIAN; Keith WENG;	
3,545	20210012419	2019-07-08	METHODS FOR BUILDING ASSETS BLOCKCHAIN FOR ASSET BACKED DIGITIZATION AND SECURITIZATION OF AUTO LOAN ASSETS	Shao ZHU; Gu CHEN; Jun BIAN; Keith WENG;	
3,546	20210012433	2019-07-08	METHODS FOR BUILDING ASSETS BLOCKCHAIN FOR ASSET BACKED DIGITIZATION AND SECURITIZATION OF SUPPLIER ACCOUNT RECEIVABLE ASSETS	Shao ZHU; Gu CHEN; Jun BIAN; Keith WENG;	
3,547	20200013027	2019-07-06	HYBRID PROOF OF WORK AND PROOF OF STAKE CONSENSUS TO REDUCE CIRCULATING TOKENS IN A BLOCKCHAIN SYSTEM	Xiaohan Zhu;	
3,548	20200013026	2019-07-03	SYSTEMS AND METHODS FOR BLOCKCHAIN ADDRESSES AND OWNER VERIFICATION	Willow NOONAN; Lancen LACHANCE; Luuk VAN DEN BROEK;	GMO GLOBALSIGN, INC.;
3,549	20210297397	2019-07-03	COMPUTER-IMPLEMENTED SYSTEM AND METHODS FOR OFF-CHAIN EXCHANGE OF TRANSACTIONS PERTAINING TO A DISTRIBUTED LEDGER	Silvia BARTOLUCCI; Pauline BERNAT;	
3,550	20210366586	2019-07-02	Enterprise Consumer Safety System	Thomas Ryan; Thomas Bartz; Richard Homan; William Parker; Kelly Tyler;	Other;
3,551	20210004794	2019-07-02	METHOD AND SYSTEM FOR AUTOMATICALLY GENERATING PERSONALIZED SMART CONTRACTS	Senthil Kumar Kumaresan; Afsal Marattil; Gurdeep Singh Virdi; Sanjoy Paul;	
3,552	20200014542	2019-07-02	DETECTION OF ANOMALIES IN A COMPUTER SYSTEM	Joshua McIver; Taulant Ramabaja; Peter Anewalt;	
3,553	20190327094	2019-07-02	INFORMATION AUTHENTICATION METHOD AND SYSTEM	Haibin KAN; Jie WEN; Baixiang LIU; Bin TAN; Sixian ZHANG; Xuefeng LI; Huanyu MA;	
3,554	20200007336	2019-07-01	Blockchain Powered Data Consortium for Verifying Smart Resumes and Degree Certificates	David Wengel;	
3,555	20200160455	2019-06-30	METHODS AND SYSTEMS OF A MARKETPLACE BLOCKCHAIN-BASED PROTOCOL PLATFORM WITH A TRUST SCORE	ASHWARYA SINGH; ANKUR SENGUPTA;	
3,556	20210294920	2019-06-28	A METHOD AND SYSTEM FOR MANAGING DIGITAL EVIDENCE USING A BLOCKCHAIN	Paul SACHS;	
3,557	20200005213	2019-06-28	SYSTEM AND METHOD TO MONITOR, ALERT AND PREDICT PRECURSORY BEHAVIOR	Jo Lynn J Clemens;	
3,558	20200005293	2019-06-28	CRYPTOCURRENCY GREETING CARDS	Babajide Opeola;	
3,559	20200007464	2019-06-28	METHOD AND MANAGEMENT SYSTEM OF DISTRIBUTED COMPUTATION	Wei-Cheng LO; Yu-Hung CHEN; Shun-Yu JHONG;	
3,560	20200410479	2019-06-27	METHOD AND SYSTEM FOR BLOCKCHAIN TRUST MANAGEMENT TO AVOID ONLINE FRAUD	Luis Giralte; Gian Romita;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,561	20210234710	2019-06-27	CONNECTED SYNTHETIC PHYSICALLY UNCLONABLE FUNCTION	Adrien FACON; Sylvain GUILLEY;	
3,562	20200311666	2019-06-27	ENCODING SENSOR DATA AND RESPONSES IN A DISTRIBUTED LEDGER	Douglas GRAY; Constanza HEATH; Gail Anna Rahn FREDERICK; Venkata Siva Vijayendra BHAMIDIPATI; Michael CHAN; Derek CHAMORRO;	
3,563	20200136809	2019-06-26	SYSTEMS AND METHODS FOR DECENTRALIZED DISTRIBUTED STORAGE USING BLOCKCHAIN	Rhys Newman; Alex Lee;	Xanadu Big Data, LLC; HashBlock Inc.;
3,564	20200057417	2019-06-26	BLOCKCHAIN-BASED OPTIMIZATION METHOD FOR COMPLEX SCENARIOS IN ENERGY SYSTEM	JIAN PING; SIJIE CHEN; ZHENG YAN; CHONGQING KANG; LIANGZHONG YAO; MINHUI QIAN; LIANG TANG; CHENJUN SUN; ZHUORAN WANG;	
3,565	20210273819	2019-06-25	CREATING A VEHICLE CERTIFICATE USING A BLOCKCHAIN	Joerg RUECKRIEMEN;	Bundesdruckerei GMBH;
3,566	20210125158	2019-06-25	BLOCKCHAIN CRYPTOCURRENCY TRANSMISSION METHOD USING BLOCKCHAIN SELF-AUTHENTICATION PROCESS	Ho KYUNG;	
3,567	20190318816	2019-06-25	HEALTHCARE TRANSACTION VALIDATION VIA BLOCKCHAIN PROOF-OF WORK, SYSTEMS AND METHODS	Nicholas Witchey;	Nant Holdings IP, LLC;
3,568	20200043045	2019-06-25	MULTIDIMENSIONAL PRIVACY CONTROL	Joseph JURICH, JR; Christopher JOHNSON;	
3,569	20200005410	2019-06-25	System and Method for Facilitating Legal Review for Commercial Loan Transactions	Peter McKee;	
3,570	20190392432	2019-06-25	CAPITAL INHERITANCE SYSTEM AND METHOD FOR FACILITATING TRANSFER OF DIGITAL CRYPTOCURRENCY	Abhijit Keskar; Akash Mishra;	
3,571	20190394113	2019-06-25	SYSTEMS AND METHODS TO AUTOMATICALLY EVALUATE BLOCKCHAIN-BASED SOLUTION PERFORMANCE	Keman Huang;	Blocktest Global;
3,572	20190318326	2019-06-25	CRYPTOCURRENCY KIOSK/ATM DEVICE AND SYSTEM AND METHOD OF USING THE SAME	John Russell; Mark Russell;	
3,573	20200403809	2019-06-24	SERVICE REQUEST AUTHENTICATION UTILIZING PERMISSIONS ASSOCIATED WITH DIGITAL CERTIFICATES	Michael CHAN; Derek CHAMORRO; Venkata Siva Vijayendra BHAMIDIPATI; Arpit JAIN; Ralph FORSYTHE;	
3,574	20190394175	2019-06-21	SYSTEMS AND METHODS FOR PERMISSIONED BLOCKCHAIN INFRASTRUCTURE WITH FINE-GRAINED ACCESS CONTROL AND CONFIDENTIALITY-PRESERVING PUBLISH/SUBSCRIBE MESSAGING	Haibin ZHANG; Sisi DUAN; Yelena YESHA;	
3,575	20190394242	2019-06-21	System and method of a requirement, active compliance and resource management for cyber security application	Rex Wig; Angel Martinez;	
3,576	20190394243	2019-06-21	System and method of a requirement, active compliance and resource management for cyber security application	Rex Wiig; Angel Martinez;	
3,577	20210382872	2019-06-20	Blockchain-based Data Storage Method, Related Device and Storage Medium	Yinhui Tang;	
3,578	20210272111	2019-06-20	Multi-Chain Concurrent Transaction Method	Sijin WU; Zhiwen WANG;	
3,579	20200034550	2019-06-18	SYSTEM AND METHOD TO PROTECT DATA PRIVACY OF LIGHTWEIGHT DEVICES USING BLOCKCHAIN AND MULTI-PARTY COMPUTATION	Hyun (Tiffany) Kim; Joshua Lampkins;	
3,580	20190391979	2019-06-18	USING SEGMENTS TO IMPROVE ACCESS SPEED IN BLOCKCHAIN NETWORKS	Adam Bistram;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,581	20190394267	2019-06-18	DYNAMIC VOTING NODES IN BLOCKCHAIN NETWORKS	Adam Bistram;	
3,582	20220158834	2019-06-18	METHOD AND DEVICE EMPLOYING SMART CONTRACT TO REALIZE IDENTITY-BASED KEY MANAGEMENT	Dongwei YANG; Dong WANG; Wei JIANG; Ping ZHEN; Jiaxing XUAN; Guomin LI; Xin SHI; Wanli MA; Junwei MA; Yang WANG; Lei ZHOU;	
3,583	20200412526	2019-06-17	METHOD AND APPARATUS FOR VERIFYING SMART CONTRACTS IN BLOCKCHAIN, AND STORAGE MEDIUM	Bo JING;	
3,584	20220247570	2019-06-17	CONTENT USE SYSTEM, PERMISSION TERMINAL, BROWSING TERMINAL, DISTRIBUTION TERMINAL, AND CONTENT USE PROGRAM	Hiroki Watanabe; Shigenori Ohashi; Tatsuro Ishida; Shigeru Fujimura; Atsushi Nakadaira;	
3,585	20200394085	2019-06-17	SMART CONTRACT INFORMATION REDIRECT TO UPDATED VERSION OF SMART CONTRACT	Marc MERCURI;	
3,586	20190384968	2019-06-14	System and Method for Targeted and Customizable Advertising and Enhanced Hygiene Using Integrated Blockchain Management	Scott Brown; Cory Galakatos;	
3,587	20190392403	2019-06-14	COLLECTING AND SORTING GARBAGE AND MANAGING RECYCLING USING SENSING TECHNOLOGY	Antonio Rainaldi; Alberto Crivellaro;	
3,588	20200394651	2019-06-13	DYNAMIC OFF-CHAIN DIGITAL CURRENCY TRANSACTION PROCESSING	KARL KREDER, III; ALEXANDER MILLER; JOHN BOYD, IV;	
3,589	20210075599	2019-06-11	BLOCKCHAIN VOTING SYSTEM AND METHOD WITH AUDIT TRAIL VERIFICATION	Douglas Pepe; Michael Abboud;	
3,590	20200394321	2019-06-11	DOCUMENT REDACTION AND RECONCILIATION	Igor Ramos; Marc Dickenson; Sumabala Nair;	
3,591	20200395107	2019-06-11	SECURE ENVIRONMENT DEVICE MANAGEMENT	ADAM GRIFFIN; SRINIVAS TUMMALAPENTA; NIKHILKUMAR SHAH; HUYANH NGO; PAUL RAGONE;	
3,592	20200302468	2019-06-11	System and Method Including a Distributed Ledger Data Structure for Authenticating and Clearing Coupons	Kishore Karuppan; Michael Loyson; Curtis Jackson;	
3,593	20190378094	2019-06-11	DATA ANALYTICS FRAMEWORK FOR IDENTIFYING A SAVINGS OPPORTUNITY FOR SELF-FUNDED HEALTHCARE PAYERS	John Quinn;	
3,594	20190378224	2019-06-11	BLOCKCHAIN-BASED DISTRIBUTION PLATFORM	Walter Krych;	
3,595	20220223242	2019-06-10	SYSTEM AND METHOD OF CONTROLLING ACCESS OF A USER'S HEALTH INFORMATION STORED OVER A HEALTH CARE NETWORK	Chrissa McFarlane;	
3,596	20220198419	2019-06-10	SYSTEM AND METHOD FOR MANAGING PAYMENTS FOR ACCESSING PATIENTS' INFORMATION	Chrissa McFarlane;	
3,597	20220199208	2019-06-10	SYSTEM AND METHOD OF MANAGING ACCESS OF A USER'S HEALTH INFORMATION STORED OVER A HEALTH CARE NETWORK	Chrissa McFarlane;	
3,598	20220188816	2019-06-10	SYSTEM AND METHOD FOR FACILITATING PAYMENT REQUESTS WITHIN A HEALTH CARE NETWORK	Chrissa McFarlane;	
3,599	20200388365	2019-06-10	DECENTRALIZED PRESCRIPTION REFILLS	Dulce Ponceleon; Nathalie Baracaldo Angel; Nitin Gaur;	
3,600	20200286050	2019-06-10	METHOD OF AUTOMATICALLY PROVIDING CRYPTOCURRENCY TO RECOMMENDER USING SNS PROPAGATION	In KIM;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,601	20190377660	2019-06-07	METHODS AND SYSTEMS FOR BLOCKCHAIN TESTING	Keman Huang;	Blocktest Global;
3,602	20200160465	2019-06-07	System and Method of IP Ownership and IP Transactions with Guaranteed Buy Valuation and Broker Rewards	ERICH SPANGENBERG; DANIEL BORK; PASCAL ASSELOT; BRIAN BERMAN;	
3,603	20190379649	2019-06-07	System and Method for Mobile Platforms Wireless Communication Data Integrity and Storage for Aiding with Anomaly Investigations	Alden Fuchs; Mike Hess;	
3,604	20220076246	2019-06-06	METHOD, SYSTEM, AND COMPUTER READABLE MEDIUM FOR TRANSFERRING CRYPTOGRAPHIC TOKENS	Desmond Griffin; Angela Griffin;	PERK HERO SOFTWARE INC.;
3,605	20190303933	2019-06-05	NOVEL APPLICATION OF BLOCKCHAIN DATA STRUCTURE FOR INSURANCE CERTIFICATE MANAGEMENT	JOHN LINDSAY; ROY LINDSAY; JOSE PAOLO RECIO HUELGAS;	BITWAGE, INC.;
3,606	20190289068	2019-06-05	METHOD, APPARATUS AND SYSTEM FOR REALIZING COMMUNICATION BETWEEN BLOCKCHAINS	Huanyu MA; Xuefeng LI; Xiaochuan WU;	
3,607	20190370793	2019-06-03	HYBRID CONSENSUS FOR BLOCKCHAIN USING PROOF OF WORK AND PROOF OF STAKE	Xiaohan Zhu; Yang Yu;	
3,608	20200359550	2019-06-03	FARM ECOSYSTEM	Bao Tran; Ha Tran;	
3,609	20190373137	2019-06-03	BLOCKCHANNEL SCANNER SYSTEMS AND METHODS	RICHARD KRUKAR; LUIS ORTIZ;	
3,610	20220247582	2019-05-31	DATA MANAGEMENT METHOD, DATA DISTRIBUTION SYSTEM, COMPUTER PROGRAM AND RECORDING MEDIUM	Batnyam Enkhtaivan; Sanami Nakagawa; Keisuke Kajigaya; Takao Takenouchi;	NEC Corporation;
3,611	20200380624	2019-05-31	SMART CONTRACT TEMPLATE META-PROGRAMMING SYSTEM AND METHOD	Ami Turgman; Yosef Dinerstein; Ashwarya Poddar;	
3,612	20190370799	2019-05-30	APPLICATION FOR CREATING REAL TIME SMART CONTRACTS	Jose Vivas; Gustavo Muci; Diego Primavesi;	Investa Tech Consulting, Inc.;
3,613	20200382309	2019-05-29	APPROXIMATE HASH VERIFICATION FOR BLOCKCHAIN	Praveen Jayachandran;	
3,614	20200118207	2019-05-29	BLOCKCHAIN BASED INVOICE SALES	Dejan Jovanovic;	
3,615	20190370798	2019-05-29	BLOCKCHAIN ASSET ISSUING AND REDEMPTION METHODS AND APPARATUSES, AND ELECTRONIC DEVICE THEREFORE	Danqing Hu; Sen Lin; Junliang ZHANG;	Alibaba Group Holding Limited;
3,616	20190370807	2019-05-29	ASSET TRANSFER METHOD AND APPARATUS, AND ELECTRONIC DEVICE	Danqing Hu; Sen Lin; Junliang ZHANG;	Alibaba Group Holding Limited;
3,617	20190370816	2019-05-29	BLOCKCHAIN-BASED MERCHANDISE TRACING METHODS AND APPARATUS	Danqing Hu;	Alibaba Group Holding Limited;
3,618	20200374340	2019-05-25	OPTIMIZATION OF DELIVERY OF BLOCKS	Petr Novotny; Shiqiang Wang; Qi Zhang; Venkatraman Ramakrishna;	
3,619	20190363890	2019-05-24	Nested Blockchain System	Christopher Johnson;	
3,620	20190278805	2019-05-24	VISUAL BLOCKCHAIN BROWSER	Yanpeng Li;	Alibaba Group Holding Limited;

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#	Pub. No	Filed	Title	Inventors	Assignees
3,621	20190361869	2019-05-24	SYSTEMS, DEVICES, AND METHODS FOR TRACKING CREATION AND MODIFICATION OF DIGITAL RECORDS	Hajo Krabbenhöft; Joe Naylor;	
3,622	20190279206	2019-05-24	OFF-CHAIN SMART CONTRACT SERVICE BASED ON TRUSTED EXECUTION ENVIRONMENT	Xuyang Song; Ying Yan; Honglin Qiu; Boran Zhao; Li Lin;	Alibaba Group Holding Limited;
3,623	20200372497	2019-05-23	PHYSICAL CURRENCY FOR ENABLING IN-PERSON COMMERCIAL TRANSACTIONS USING BLOCKCHAIN TECHNOLOGY	Franz Stradal;	
3,624	20190278765	2019-05-23	SHARED SECRET-BASED BLOCKCHAIN STORAGE	Pengfei Ying; Zheng Liu;	Alibaba Group Holding Limited;
3,625	20200372547	2019-05-23	USING DIGITAL LEDGER TECHNOLOGY TO TRACK TRANSACTIONS OF A CONTACT CENTER FOR VOICE AND/OR VIDEO COMMUNICATIONS THAT ARE ON HOLD IN A CONTACT CENTER QUEUE	Pushkar Deole; John Young;	
3,626	20210203478	2019-05-22	INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, AND PROGRAM	Kaoru Matsunaga; Takeshi Katayama; Yasuyuki Kato; Daisuke Sasaki;	
3,627	20190362323	2019-05-21	SOCIAL NETWORK SITE THAT GIVES USERS THE ABILITY TO SEND AND RECEIVE CRYPTOCURRENCIES FROM ONE USER TO ANOTHER	DeAngelo Singleton;	Other;
3,628	20210233068	2019-05-20	SETTLEMENT SYSTEM, SETTLEMENT METHOD, USER DEVICE, AND SETTLEMENT PROGRAM	Hiroki Watanabe; Shigenori Ohashi; Shigeru Fujimura; Atsushi Nakadaira; Kota HIDAKA;	
3,629	20210209584	2019-05-20	A Method and System for Transferring a Digital Asset and for Managing a Digital Wallet Application	Michael Donald; Alexander Donald;	
3,630	20190273620	2019-05-20	DATA SHARING METHOD AND DATA SHARING SYSTEM	Xiaochuan WU; Xuefeng LI; Zejun GAN;	
3,631	20200013073	2019-05-17	SYSTEMS AND METHODS FOR USING CODES AND IMAGES WITHIN A BLOCKCHAIN	Konstantinos Bakalis;	
3,632	20190355472	2019-05-17	COMPUTER-IMPLEMENTED SYSTEM AND METHODS FOR PREDICTING THE HEALTH AND THERAPEUTIC BEHAVIOR OF INDIVIDUALS USING ARTIFICIAL INTELLIGENCE, SMART CONTRACTS AND BLOCKCHAIN	John Kutzko;	
3,633	20220005023	2019-05-17	Programmable Transactions	Terry Angelos; Cuy Sheffield; Anirudh Malkani; Anthony Shanley;	
3,634	20220253841	2019-05-16	METHOD FOR PROVIDING NEUTRAL HOST NETWORK SERVICE BY USING BLOCKCHAIN, AND SYSTEM AND DEVICE THEREFOR	Jong LEE;	HFR, INC.;
3,635	20210209483	2019-05-15	SWARM CONTROL APPARATUS AND METHOD USING DYNAMIC RULE-BASED BLOCKCHAIN	Ranjan BOSE; Anoop JAIN; Gokul NARASIMHA;	SAMSUNG ELECTRONICS CO., LTD.;
3,636	20210224776	2019-05-15	BLOCKCHAIN-BASED ENTITLEMENT SERVICE	Akshay HUNDIA; Yuri DA SILVA FERREIRA;	
3,637	20190354945	2019-05-15	REAL-TIME BUYING, SELLING, AND/OR TRADING BLOCKCHAIN-BASED GOODS USING TRADITIONAL CURRENCY	Amitt Mahajan; Payom Dousti;	
3,638	20200364709	2019-05-14	Networked Computer System for Multi-Party Payment Distribution and Pricing	David Newman;	
3,639	20200013029	2019-05-14	Systems and Methods for Aging, Disability and Palliative (ADP) Care Utility Savings and Exchange	Jiao Gu; Steven Reynolds; Chirag Bhatt;	
3,640	20190266128	2019-05-14	METHOD AND SYSTEM FOR VERIFICATION OF DELETED DATA FOR BLOCKCHAINS	Kumiko Maeda; Munetaka Ohtani; Yutaka Oishi; Chikafumi Yasumoto; Jiayun Zhu;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,641	20200145194	2019-05-10	BLOCKCHAIN INFRASTRUCTURE SOLUTIONS	Michael Stollery;	
3,642	20190347652	2019-05-07	METHODOLOGY AND SYSTEM FOR SELECTING NODES TO EXECUTE CHAINCODE IN A BLOCKCHAIN ENVIRONMENT WITH A MOBILE MONEY GATEWAY	Sandra JOHNSON;	
3,643	20210240858	2019-05-07	SYSTEM FOR PROTECTING INTEGRITY OF TRANSACTION DATA	Ghislain TSAFACK CHETSA; Adhikari A U D P WIJESUNDERA; Zahir-Abbas SUMAR;	
3,644	20190347243	2019-05-07	SYSTEM AND METHOD FOR COLLABORATIVE SHARING OF INFORMATION	Bruce WILKINSON; Joseph JURICH;	Walmart Apollo, LLC;
3,645	20190347660	2019-05-07	SYSTEM AND METHOD FOR PROTECTION OF CONFIDENTIAL INFORMATION	Bruce WILKINSON; Joseph JURICH;	Walmart Apollo, LLC;
3,646	20210136068	2019-05-03	TELECOM NODE CONTROL VIA BLOCKCHAIN	Bernard SMEETS; Alexander PANTUS; Jonathan OLSSON;	Telefonaktiebolaget LM Ericsson (publ);
3,647	20210385068	2019-05-02	BLOCKCHAIN BASED MANAGEMENT OF INFORMATION ON IMAGING CONSUMBALE USAGE	Seunghee OH;	
3,648	20220114582	2019-05-02	METHOD, TRANSACTION MANAGEMENT DEVICE AND COMPUTER-READABLE MEDIA FOR FACILITATING CONCURRENT TRANSACTIONS	Arun SHANMUGAM; Dinusha WEERASEKARA; Ranjith KANDACHERI; Siakchuah TAN;	SINGAPORE AIRLINES LIMITED;
3,649	20200351399	2019-05-02	CONTACT CENTER TRANSACTION SYSTEM THAT USES A DISTRIBUTED DIGITAL LEDGER	John Young; Pushkar Deole; David Chavez; Laurent Philonenko;	
3,650	20190342085	2019-05-02	SYSTEM AND METHOD FOR TRACKING PRODUCT AND PROVIDING VERIFIED PRODUCT INFORMATION AND CONSUMER REWARDS	Nathan John Walter KUBE; Frank MARCUS; Samuel WEBB; Toby Sharrim Theun SUMMERS;	
3,651	20200327556	2019-04-30	METHOD TO ACCEPT CERTIFICATIONS WITH BLOCKCHAIN TRANSACTIONS	Jeff Wang; George Lim; Jiaxiang Chen;	
3,652	20190340607	2019-04-30	SYSTEM FOR CENTRAL AUTHORITY-PERMISSIONED TRANSFER OF BLOCKCHAIN TOKENS	Scott Lynn; Alberto Simon;	Masterworks.io, LLC;
3,653	20190260761	2019-04-30	Registering received email documents in a blockchain	Kelce Wilson;	
3,654	20210126794	2019-04-30	METHODS, APPARATUS AND SYSTEM FOR IDENTIFICATION VERIFICATION	Chris FORRESTER; Kristofer COWARD; Joseph WEINBERG; Fredrico NASSIRE; Juan AGUINACO;	SHYFT NETWORK INC.;
3,655	20200342529	2019-04-29	METHODS FOR COMPREHENSIVELY DIGITIZING ASSETS AND UPLOADING ASSETS ON THE BLOCKCHAIN	Shao ZHU; Gu CHEN; Jun BIAN; Keith WENG;	
3,656	20200342528	2019-04-29	METHODS FOR BUILDING ASSETS BLOCKCHAIN FOR ASSET BACKED DIGITIZATION AND SECURITIZATION	Shao ZHU; Gu CHEN; Jun BIAN; Keith WENG;	
3,657	20190311357	2019-04-29	Method and System for Exchange of Value or Tokens Between Blockchain Networks	Vijay Madisetti; Arshdeep Bahga;	Other;
3,658	20210234702	2019-04-29	MULTI-DECENTRALIZED PRIVATE BLOCKCHAINS NETWORK	Sergey BEKIYANTS;	
3,659	20200342530	2019-04-29	DYNAMIC ASSET PACKAGE AND METHODS FOR USING A DYNAMIC ASSET PACKAGE FOR ENSURING ASSET PACKAGE QUALITY FOR SECURITIZATION	Shao ZHU; Gu CHEN; Jun BIAN; Keith WENG;	
3,660	20190333149	2019-04-29	System and Method of Managing a Cryptocurrency-Based Portfolio	Donnie Kim;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,661	20200327978	2019-04-26	METHODS, SYSTEMS, APPARATUSES AND DEVICES FOR FACILITATING DATA MANAGEMENT OF MEDICAL IMAGING DATA	George Fower;	
3,662	20190333048	2019-04-26	SYSTEMS AND METHODS FOR ZERO KNOWLEDGE CRYPTO-ASSET EXCHANGE	Ken DiCross; Luke Shepard;	
3,663	20210272017	2019-04-25	MACHINE LEARNING ON A BLOCKCHAIN	Kushal SINGLA; Joy BOSE; Sharvil KATARIYA;	SAMSUNG ELECTRONICS CO., LTD.;
3,664	20210075623	2019-04-25	DECENTRALIZED DATA VERIFICATION	Christopher PETERSEN;	
3,665	20210233074	2019-04-24	PARTITIONING A BLOCKCHAIN NETWORK	Dean KRAMER; Martin SEWELL; Bassem AMMAR;	
3,666	20210234665	2019-04-24	PARTITIONING A BLOCKCHAIN NETWORK	Dean KRAMER; Martin SEWELL; Bassem AMMAR;	
3,667	20210312444	2019-04-23	DATA PROCESSING METHOD, NODE, BLOCKCHAIN NETWORK, AND VIRTUAL DATA CARRIER	Zhuo Liu;	
3,668	20200050741	2019-04-23	METHOD FOR RIGHTS MANAGEMENT, SYSTEM FOR RIGHTS MANAGEMENT, READABLE STORAGE MEDIUM, AND COMPUTER DEVICE	Siyu ZHU; Litong HAN;	
3,669	20190317935	2019-04-23	BLOCKCHAIN-IMPLEMENTED SMART CONTRACT MANAGEMENT FOR DIGITAL TWIN ASSETS	Joseph Berti; Lisa DeLuca;	
3,670	20210256514	2019-04-22	METHOD AND DEVICE OF ISSUING REWARD TO WORK PUBLISHER ON THE BASIS OF BLOCKCHAIN	Xinying Yang;	Advanced New Technologies Co., Ltd.;
3,671	20190370847	2019-04-22	METHOD AND SYSTEMS RELATING TO THE USE OF BLOCKCHAIN AND SELF-SOVEREIGN IDENTITY FOR GIFT CARDS, REWARDS, AND INCENTIVES PROGRAMS	Sal Khan;	
3,672	20190251071	2019-04-22	BLOCKCHAIN DATA RELATIONSHIP STRUCTURING SCHEME BASED ON BINARY LOG REPLICATION	Kailai Shao; Xuming Lu; Pengtao Qi;	Alibaba Group Holding Limited;
3,673	20190251553	2019-04-22	BLOCKCHAIN DATA PROTECTION BASED ON ACCOUNT NOTE MODEL WITH ZERO-KNOWLEDGE PROOF	Baoli Ma; Wenbin Zhang; Huanyu Ma; Zheng Liu; Lichun Li;	Alibaba Group Holding Limited;
3,674	20190251566	2019-04-22	MANAGING PRIVATE TRANSACTIONS ON BLOCKCHAIN NETWORKS BASED ON WORKFLOW	Dong Pan; Wenbin Zhang; Xuebing Yan;	Alibaba Group Holding Limited;
3,675	20190253252	2019-04-22	DOMAIN NAME SCHEME FOR CROSS-CHAIN INTERACTIONS IN BLOCKCHAIN SYSTEMS	Honglin Qiu;	Alibaba Group Holding Limited;
3,676	20190244195	2019-04-22	BLOCKCHAIN SYSTEM SUPPORTING PUBLIC AND PRIVATE TRANSACTIONS UNDER ACCOUNT MODELS	Baoli Ma; Wenbin Zhang;	Alibaba Group Holding Limited;
3,677	20190377722	2019-04-21	ARRAY STRUCTURES	David Stefferud; Grant Mora; Declan Kenny;	
3,678	20190325420	2019-04-20	Wireless Network Services Operating with Blockchain Technology	Dean Gardner;	CROSSOVER CAPITAL;
3,679	20220215038	2019-04-19	DISTRIBUTED STORAGE OF BLOCKS IN BLOCKCHAINS	Jingyu FENG; Shaoqing LV; Guangyue LU;	
3,680	20210158338	2019-04-19	METHOD FOR INDEXING DOMAIN TO DIGITAL ASSET	Chung LEE; Seung SONG;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,681	20190323858	2019-04-19	SYSTEMS AND METHODS FOR UTILITY USAGE NEGOTIATION BETWEEN FACILITIES	Bruce Wilkinson; Charles Lobo; Sid Shake;	
3,682	20200334773	2019-04-18	System and Method of IP Ownership and IP Transactions with Guaranteed Buy Valuation and Broker Rewards	ERICH SPANGENBERG; DANIEL BORK; PASCAL ASSELOT; BRIAN BERMAN;	
3,683	20210264391	2019-04-17	METHOD AND DEVICE FOR DISTRIBUTING COPYRIGHT EARNINGS ON BASIS OF BLOCKCHAIN	Xinying Yang;	Advanced New Technologies Co., Ltd.;
3,684	20210248209	2019-04-17	METHOD AND DEVICE OF ISSUING REWARD TO WORK USER ON THE BASIS OF BLOCKCHAIN	Xinying Yang;	Advanced New Technologies Co., Ltd.;
3,685	20210117933	2019-04-17	PERSONAL PROTECTIVE EQUIPMENT MANAGEMENT SYSTEM WITH DISTRIBUTED DIGITAL BLOCKCHAIN LEDGER	Eric Lobner; Oscar Naim D'Paola; Michael Gannon; Joseph Kronzer; Johannes PM. Kusters; Lyle Luppes;	
3,686	20210248676	2019-04-16	METHOD AND DEVICE FOR PERFORMING CREDIT EVALUATION ON COPYRIGHT USERS ON THE BASIS OF BLOCKCHAIN	Xinying Yang;	Advanced New Technologies Co., Ltd.;
3,687	20210234672	2019-04-16	METHOD AND SYSTEM FOR TRACING FULL-LIFE-CYCLE QUALITY OF PREFABRICATED PART BASED ON BLOCKCHAIN	TAO ZENG; HAISHAN GUO; KANG LIU; YUZHONG CAO; XIAOJIE YANG; HU QI; LIMING LI;	
3,688	20200334677	2019-04-16	TRANSPARENT BLOCKCHAIN SIDECHAINS TO SUPPORT BLOCKCHAIN PROCESSING HETEROGENEITY	Adiseshu HARI; Muralidharan KODIALAM; T LAKSHMAN;	
3,689	20190318399	2019-04-16	PROJECT CREATION SYSTEM USING BLOCKCHAIN	Christopher Davis; Don Richmond; Corey Hertz; Bob Giargiari; Bryan Hertz; Kevin Hertz; Ian LeWinter;	
3,690	20190318425	2019-04-16	ENERGY FUTURE TOKEN PLATFORM	Alan Tilley; Gregory Robinson;	
3,691	20190318433	2019-04-16	REAL ESTATE MARKETPLACE METHOD AND SYSTEM	Regan MCGEE; Robbie FREETHY; Alex SELLINK; Rahul RAMESH;	NOBUL CORPORATION;
3,692	20210314143	2019-04-15	ENCRYPTION FOR BLOCKCHAIN CRYPTOCURRENCY TRANSACTIONS AND USES IN CONJUNCTION WITH CARBON CREDITS	Jason Conner;	
3,693	20210065168	2019-04-12	METHOD FOR PROCESSING VEHICLE-RELATED INFORMATION BASED ON BLOCKCHAIN AND APPARATUS	Jun Liu; Xin Liu; Zhaohui Guo; Fei Lan;	
3,694	20190332921	2019-04-12	DECENTRALIZED STORAGE STRUCTURES AND METHODS FOR ARTIFICIAL INTELLIGENCE SYSTEMS	Daniel Rodriguez;	
3,695	20190318348	2019-04-11	MEDIA LICENSING METHOD AND SYSTEM USING BLOCKCHAIN	Vadim Brenner; Stephen White; Mijat Nenezic; Srdan Markovic;	
3,696	20210097532	2019-04-11	SYSTEMS AND METHODS FOR RECORDING ASSETS AND TRANSACTIONS THEREOF IN BLOCKCHAINS	Sak Mahasuverachai;	
3,697	20190355460	2019-04-09	System and Method of Providing a Secure Prescription Management	Howard Mann;	
3,698	20210160235	2019-04-08	USER-WEARABLE DEVICES ASSURING AUTHENTICATION AND VALIDATION OF DATA STORAGE AND TRANSMISSION THAT UTILIZE BLOCKCHAIN	Daniel Lerner;	
3,699	20190311353	2019-04-05	BLOCKCHAIN PAYMENT SYSTEM	Eric Solis;	
3,700	20190311443	2019-04-05	METHODS, SYSTEMS, APPARATUSES AND DEVICES FOR FACILITATING PROVISIONING OF AUDIT DATA RELATED TO ENERGY CONSUMPTION, WATER CONSUMPTION, WATER QUALITY, GREENHOUSE GAS EMISSIONS, AND AIR EMISSIONS USING BLOCKCHAIN	Russell Blades;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,701	20190310900	2019-04-05	SYSTEM, METHOD, AND COMPUTER-READABLE MEDIUM FOR ALLOCATING DIGITAL DATA PROCESSING SYSTEM RESOURCES	John Jong Suk LEE; Julian HALDENBY; Perry Aaron Jones HALDENBY; Paul Mon-Wah CHAN; Eythan D'AMICO;	Shufl Inc.;
3,702	20190304582	2019-04-03	Methods and System for Real Time, Cognitive Integration with Clinical Decision Support Systems featuring Interoperable Data Exchange on Cloud-Based and Blockchain Networks	Stephen Blumenthal; Dale Potter; Kevin Simon; Baxter Garcia;	
3,703	20200311583	2019-04-01	SYSTEM AND METHODS FOR FAULT TOLERANCE IN DECENTRALIZED MODEL BUILDING FOR MACHINE LEARNING USING BLOCKCHAIN	SATHYANARAYANAN MANAMOHAN; Krishnaprasad Shastry; Vishesh Garg; Eng Goh;	
3,704	20190226554	2019-04-01	TIME ALTERING APPARATUS	Keir Finlow-Bates; Jonathan Callan;	
3,705	20200313856	2019-03-29	SYSTEMS AND METHODS OF BLOCKCHAIN PLATFORM FOR INTERMEDIARIES AND PASSWORDLESS LOGIN	Saswata Basu; Siva Dirisala;	0Chain, LLC;
3,706	20190303363	2019-03-29	SYSTEM AND METHOD FOR OPERATING A BLOCKCHAIN NETWORK	Frederick Kwok Yin LEUNG; Marcin DUDAR; Peter On Bon CHAN;	
3,707	20190303926	2019-03-29	BLOCKCHAIN LOAN TRANSACTION SYSTEMS AND METHODS	Jonathan Yantis; William Quigley;	
3,708	20190303853	2019-03-28	SYSTEM AND METHOD FOR SUPPLY CHAIN VERIFICATION USING BLOCKCHAIN	Robert CANTRELL; Daniel YOUNG; John O'BRIEN; Brian MCHALE; Todd MATTINGLY;	Walmart Apollo, LLC;
3,709	20190303854	2019-03-28	DELIVERY VERIFICATION SYSTEM USING VIDEOS AND BLOCKCHAIN	John O'Brien; Daniel Young; Robert Cantrell; Brian McHale; Bruce Wilkinson; Donald High;	
3,710	20190303867	2019-03-28	BLOCKCHAIN BASED CROWDSOURCING MEDICAL BILLING FOR MEDICAL INSURANCE CLAIMS PROCESSING	VINOD NAIR;	
3,711	20200235912	2019-03-28	IMMUTABLE ASSET AND CONNECTED SERVICE MANAGEMENT	Tasker Generes, JR;	
3,712	20200090817	2019-03-28	SYSTEM AND METHOD FOR SECURE DRUG DISCOVERY INFORMATION PROCESSING	Gunjan Bhardwaj; Om Prakash;	
3,713	20220191037	2019-03-27	DISTRIBUTED HASH TABLE BASED BLOCKCHAIN ARCHITECTURE FOR RESOURCE CONSTRAINED ENVIRONMENTS	Yahya HASSANZADEH NAZARABADI; Oznur OZKASAP; Alptekin KUPCU;	KOC UNIVERSITESI;
3,714	20220129980	2019-03-27	INTELLECTUAL PROPERTY RIGHT TRADE SYSTEM USING BLOCKCHAIN, AND OPERATING METHOD THEREFOR	In Son;	
3,715	20190306235	2019-03-27	Private Blockchain With Decentralized External Gateway	Thomas Veale; Bo Yao; Prageeth Nuwan Kumara Maha Badalge; Sushanth Krishnaswamy; Yuxuan Zhang;	
3,716	20200311723	2019-03-27	SYSTEMS AND METHODS FOR BLOCKCHAIN-BASED TRADING OF PORTFOLIOS	Todd Miller; Larry Snyder;	
3,717	20190299105	2019-03-27	METHOD AND SYSTEM FOR CONVERTING DIGITAL ASSETS IN A GAMING PLATFORM	Hugh Knight; Haniff Knight;	Truly Simplistic Innovations Inc;
3,718	20200313855	2019-03-26	CONSENSUS METHOD FOR BLOCKCHAIN VIA VIRTUAL MACHINE BASED HYBRID DELEGATED PROOF OF STAKE AND PROOF OF WORK (VDPOSW)	Si Yin;	Other;
3,719	20200313887	2019-03-26	Micoservices Based Mainchain/Sidechain (MMS) Architecture For Blockchain	Si Yin;	Other;
3,720	20190303790	2019-03-26	PROOF OF WORK BASED ON TRAINING OF MACHINE LEARNING MODELS FOR BLOCKCHAIN NETWORKS	Mark Harvilla; Patrick Gerzanics; Marius Rusu; Jascha Wanger;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,721	20210150522	2019-03-25	COMPUTER-IMPLEMENTED SYSTEM AND METHOD SUITABLE FOR INCREASING THE SECURITY OF INSTANT OFF-LINE BLOCKCHAIN TRANSACTIONS	Thomas TREVETHAN;	
3,722	20200311699	2019-03-25	REWARD SYSTEMS AND METHODS THAT EMPLOY BLOCKCHAIN AND DIGITAL CRYPTO TOKENS TO REWARD USERS WITHIN AN ORGANIZATION	Divya Ranjit; Medha Prabhala; Sreedhar Karukonda; Chad Holdorf;	
3,723	20210375409	2019-03-22	SYSTEMS AND METHODS FOR BLOCKCHAIN-BASED HEALTH DATA VALIDATION AND ACCESS MANAGEMENT	Konstantin ROMANTSOV; Garri ZMUDZE; Aleksandrs ZAVORONKOVS;	
3,724	20190220768	2019-03-21	CONSTRUCTING TOPOLOGY FOR SATISFYING PARTITION TOLERANCE IN CONSORTIUM BLOCKCHAIN CONSENSUS	Hui Li; Jiangxing Wu; Kejiao Li; Peng Yi; Han Wang; Fusheng Zhu; Hanxu Hou; Kedan Li; Xichun Zhang;	PEKING UNIVERSITY SHENZHEN GRADUATE SCHOOL; CHINA NATIONAL DIGITAL SWITCHING SYSTEM ENGINEERING & TECHNOLOGICAL R&D CENTER; SHENZHEN CESTBON TECHNOLOGY CO. LIMITED;
3,725	20200210925	2019-03-21	System and method for calculating GRP ratings	Aleksei KUZNETCOV; Marat KAPELYUSHNIK;	Adoptomedia OÜ;
3,726	20200302527	2019-03-20	BLOCKCHAIN SMART CONTRACTS FOR EMPLOYEE STOCK OPTION TOKENS	Max LYADVINSKY; Alexey RAEVSKY; Anton PETRUSHKIN;	
3,727	20190295078	2019-03-20	CONTROL SYSTEM AND METHOD FOR CONTROLLING PRIVATE BLOCKCHAIN SYSTEM	Suk Bae;	Graph Blockchain Limited;
3,728	20190295079	2019-03-20	CONTROL SYSTEM AND METHOD FOR CONTROLLING PRIVATE BLOCKCHAIN SYSTEM	Suk Bae;	Graph Blockchain Limited;
3,729	20220156736	2019-03-20	PAYMENT TRANSACTION HANDLING IN A RADIO COMMUNICATION NETWORK	Darwin CHANDRAN; M RAMKRISHNA; K ARAVIND VIKIRAM;	
3,730	20200013049	2019-03-20	Coin-Basis application designed to calculate the basis of crypto currency	Carl Ingram; Michael Pickett; Tom Brown;	
3,731	20220108313	2019-03-19	METHOD IN BLOCKCHAIN SYSTEMS FOR FAST STABILIZATION AND INCREASED RESPONSIVENESS	Vinay Ribeiro; Ovia Seshadri;	
3,732	20200302563	2019-03-18	NEGOTIATING SERVICE LEVEL OBJECTS AND AGREEMENTS THROUGH BLOCKCHAIN	Thomas Golway; Sandeep Panda;	
3,733	20200410460	2019-03-18	METHOD AND SYSTEM FOR ASSESSING FUTURE EXECUTION OF A SMART CONTRACT BASED ON PREVIOUS EXECUTIONS ON A BLOCKCHAIN-BASED PLATFORM	Kfir NISSAN; Gilad EISENBERGER;	VALID NETWORK LTD;
3,734	20190288833	2019-03-15	System and Method for Securing Private Keys Behind a Biometric Authentication Gateway	David Nelms; Sid Shake; Charles Lobo;	
3,735	20210012278	2019-03-14	SYSTEMS AND METHODS FOR SUPPLY CHAIN MANAGEMENT AND INTEGRITY VERIFICATION VIA BLOCKCHAIN	Haggai ALON; Nadav YORAN; David ROSENBLATT;	
3,736	20220012727	2019-03-14	PERSONAL INFORMATION MANAGEMENT SYSTEM, PERSONAL INFORMATION MANAGEMENT APPARATUS, PERSONAL INFORMATION MANAGEMENT METHOD	Kosei YAMAZAKI; Hiroyuki SHIBAI; Ryuta GOCHO;	HITACHI, LTD.;
3,737	20190288832	2019-03-14	SEPARATION OF TRANSACTION AND ACCOUNT DATA IN BLOCKCHAINS	Enyan Dang; Wei-Tek Tsai; Wei Tsai;	
3,738	20200294041	2019-03-13	Real-Time Processing Of Transactions For Centralized Blockchains	Alexander Ocher; Viktor Lapitski; Andrey Belyy;	
3,739	20190286629	2019-03-12	METHOD FOR PROCESSING TRANSACTIONS USING BLOCKCHAIN NETWORK, AND TRANSACTION MANAGEMENT SERVER USING THE SAME	Gyehan SONG; Igoo LEE; Seoho RYU;	WAY2BIT Co. Ltd.;
3,740	20190287082	2019-03-12	METHOD FOR PROCESSING TRANSACTIONS USING BLOCKCHAIN NETWORKS, AND TRANSACTION MANAGEMENT SERVER USING THE SAME	Gyehan SONG; Igoo LEE; Seoho RYU;	WAY2BIT Co. Ltd.;

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#	Pub. No	Filed	Title	Inventors	Assignees
3,741	20190287100	2019-03-12	METHOD FOR MANAGING TOKEN BASED ON HETEROGENEOUS BLOCKCHAIN NETWORKS, AND TOKEN MANAGEMENT SERVER USING THE SAME	Gyehan SONG; Kyungho YUNE; Bongjun KIM;	WAY2BIT Co. Ltd.;
3,742	20190279321	2019-03-12	PROOF OF PUBLIC IDEA DISCLOSURE USING BLOCKCHAIN	Eli Sheets; Kitrick Sheets;	
3,743	20190318327	2019-03-11	SYSTEMS, METHODS, AND COMPUTER PROGRAMS FOR USING A BLOCKCHAIN MARKETPLACE	Lawrence Sowell; Benjamin Meyer;	
3,744	20190280854	2019-03-11	SKILLS PASSPORT BLOCKCHAIN PLATFORM	Sudhir WADHWA; Felix ORTIZ;	
3,745	20210044589	2019-03-11	ACCESS CONTROL	Jonathan ROSCOE;	
3,746	20200294152	2019-03-11	Method of Placing Insurance Coverage With Several Insurers	Robert Fletcher; Robin Fletcher; Curtis Droege;	Intellectual Property Control Corporation;
3,747	20190333171	2019-03-08	TRANSPORTATION EXCHANGE BASED ON BLOCKCHAIN TECHNOLOGY	Tokhir Tokhtabaev;	
3,748	20200242690	2019-03-08	DIGITAL COMMODITY EXCHANGE SYSTEM AND METHOD	SHIH-CHENG WANG;	
3,749	20220182496	2019-03-07	BLOCKCHAIN FOR COMMUNICATION OF SUBSCRIBER DATA RECORDS BETWEEN PUBLIC LAND MOBILE NETWORKS	K ARUNKUMAR; Darwin CHANDRAN; Karthikeyan CHANDRASEKAR; Ramkumar N; Gopala RAMASUBBU; Ravi Sekhar Reddy V;	Telefonaktiebolaget LM Ericsson (publ);
3,750	20190281053	2019-03-07	METHOD AND APPARATUS FOR FACILITATING FRICTIONLESS TWO-FACTOR AUTHENTICATION	Wendell BROWN; Mark KLEIN;	
3,751	20190279172	2019-03-06	Methods and Systems for Object Validated Blockchain Accounts	Evan Duffield; Andy Freer; Timothy Flynn; Nathan Marley; Darren Tapp; Alex Werner; Will Wray;	Dash Core Group, Inc.;
3,752	20190384895	2019-03-05	SYSTEM FOR DOCUMENT AND CERTIFICATE MANAGEMENT USING DIRECTED ACYCLIC GRAPH BASED TAGGING	Nathan JIN; Patrick Zhang; George Wu;	Ivy Food Technology, Inc.;
3,753	20200285626	2019-03-04	SYSTEMS AND METHODS FOR SECURELY STORING BUILDING MANAGEMENT DATA OF A BUILDING MANAGEMENT SYSTEM USING A BLOCKCHAIN	Rajagopal Palanivelu; Sruthi Karnam; Srivatsa Haridas; Rahul Kishore; Seema Pathak; Vanathi Ravindran;	
3,754	20200285637	2019-03-04	METHOD AND SYSTEM FOR INFORMATION VISUALIZATION AND DIGITAL INTERACTIONS FOR ENTERPRISE APPLICATIONS ON BLOCKCHAIN	Jayati Bandyopadhyay; Avantika Gupta; Ashwini Marathe; Sitara Shah; Krishnaprasad Narayanan;	
3,755	20210058243	2019-03-04	SYSTEM FOR STRUCTURING OBJECTS FOR OPERATION IN SOFTWARE ENVIRONMENTS AND METHODS FOR ITS IMPLEMENTATION	Valerii Starodubtsev;	
3,756	20200286133	2019-03-04	HIERARCHICAL PROXY POWER SYSTEM FOR ADMINISTRATION OF CHARITABLE TRUST	Manu Kurian;	
3,757	20190304259	2019-03-01	SPORTS BETTING APPARATUS AND METHOD	RAYMOND JOAO;	
3,758	20210266311	2019-02-28	BLOCKCHAIN AND DNSSEC-BASED USER AUTHENTICATION METHOD, SYSTEM, DEVICE AND MEDIUM	Yu ZENG; Yuedong ZHANG; Peng ZUO; Meng YUAN; Haikuo ZHANG; Weiping YANG;	
3,759	20190279240	2019-02-28	WEB CONTENT GENERATION AND STORAGE VIA BLOCKCHAIN	Joseph DiTomaso;	
3,760	20190279241	2019-02-28	CONTENT-BASED MINING VIA BLOCKCHAIN	Joseph DiTomaso;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,761	20210055718	2019-02-28	COMPUTER-IMPLEMENTED METHOD FOR PROVIDING DATA, IN PARTICULAR FOR CONFORMITY TRACKING	Andreas Rathgeb; Manish Udas;	
3,762	20190325436	2019-02-28	SYSTEM AND METHOD FOR BLOCKCHAIN-BASED AUTHENTICATION	Long CHENG; Yanpeng LI;	
3,763	20190265690	2019-02-27	SYSTEM AND METHOD FOR A FAILSAFE SYSTEM FOR AUTONOMOUS VEHICLES	Todd MATTINGLY; Robert CANTRELL; John O'BRIEN; Justin SCHUHARDT; Brian MCHALE;	Walmart Apollo, LLC;
3,764	20190228409	2019-02-27	Transaction Pools Using Smart Contracts and Blockchains	Vijay Madisetti; Arshdeep Bahga;	Other;
3,765	20220150077	2019-02-25	SYSTEM AND METHOD FOR BLOCKCHAIN PLATFORM-BASED SERVICE	Nam KIM;	DATA ALLIANCE CO., LTD.;
3,766	20190266612	2019-02-25	SYSTEM AND METHOD FOR VERIFYING PRODUCTS USING BLOCKCHAIN	Brian McHale; Daniel Young; Jennifer Northrup; Richard McSorley, JR; Christopher Heeney; Joseph Jurich;	Walmart Apollo, LLC;
3,767	20220180374	2019-02-25	ARCHITECTURE, SYSTEMS, AND METHODS USED IN CARBON CREDIT AND BLOCK CHAIN SYSTEMS	Jason Cooner;	
3,768	20190266568	2019-02-25	BLOCKCHAIN-BASED SYSTEM AND METHOD FOR CROWDSOURCED DELIVERY	John O'BRIEN; Robert CANTRELL; Brian MCHALE; Todd MATTINGLY;	Walmart Apollo, LLC;
3,769	20190197622	2019-02-25	SYSTEM AND METHOD OF PROVIDING UNIQUE IDENTIFIERS IN SECURITY BLOCKCHAIN-BASED TOKENS	Vincent MOLINARI; Christopher PALLOTTA; Joseph LATONA;	
3,770	20220129977	2019-02-22	ONLINE TOKENIZATION OF OUTSTANDING DEBT	Christopher BRADLEY;	
3,771	20200273111	2019-02-22	Method of Placing Insurance Coverage With Several Insurers	Robert Fletcher; Robin Fletcher; Curtis Droege;	Intellectual Property Control Corporation;
3,772	20200272945	2019-02-21	SYSTEM AND METHOD OF DECENTRALIZED MODEL BUILDING FOR MACHINE LEARNING AND DATA PRIVACY PRESERVING USING BLOCKCHAIN	SATHYANARAYANAN MANAMOHAN; KRISHNAPRASAD SHASTRY; VISHESH GARG; ENG GOH;	
3,773	20210103904	2019-02-21	METHOD AND SYSTEM FOR FRANKING POSTAL ARTICLES AND FOR BILLING A LOGISTICS SERVICE	Thomas Bayer; Michael Bueker; Monika Sturm; Michael Zettler; Jan Dodel; Holger Schmitt;	
3,774	20190258610	2019-02-21	BYZANTINE FAULT-TOLERANT ALGORITHM WITH FOUR STEPS	Enyan Dang; Wei-Tek Tsai; Wei Tsai;	
3,775	20200265530	2019-02-20	Digital Property Authentication and Management System	Lewis Lee; Daniel Crouse; David Andrews; Samuel Fleming; Lewis Lee; Samuel Desmond;	
3,776	20200265532	2019-02-20	Digital Property Authentication and Management System	Lewis Lee; Daniel Crouse; David Andrews; Samuel Fleming;	
3,777	20200265533	2019-02-20	Digital Property Authentication and Management System	Lewis Lee; Daniel Crouse; David Andrews; Samuel Fleming;	
3,778	20200082470	2019-02-19	COMBINED BLOCKCHAIN PLATFORM AND ASSOCIATED METHOD	Anuj Sharma;	
3,779	20190182048	2019-02-19	Method and System for Securing a Blockchain with Proof-of-Transactions	David Lancashire;	
3,780	20210049690	2019-02-19	COMPUTER IMPLEMENTED VOTING PROCESS AND SYSTEM	Craig WRIGHT;	nChain Holdings Limited;

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#	Pub. No	Filed	Title	Inventors	Assignees
3,781	20190260573	2019-02-18	Computerized Method For Managing Product Such As Wine and Cigar Utilizing Micro Chip Implanted Container and Blockchain Ledger System	Arisa Goto;	
3,782	20210109920	2019-02-16	Method for Validating Transaction in Blockchain Network and Node for Configuring Same Network	Yuzo KANO; Takafumi KOMIYAMA;	
3,783	20220138748	2019-02-15	METHOD AND SYSTEM FOR SETTLING A BLOCKCHAIN TRANSACTION	Scott MILLAR; Albert JANSON; Farhod FATHPOUR PAKZAD; Sergey CHERNIKOV; Tanchuck ANTON;	
3,784	20200266994	2019-02-15	SYSTEM AND METHOD FOR IMPLEMENTING BLOCKCHAIN TRANSACTIONS USING A CONSUMER APPLIANCE	Jeff Drake;	
3,785	20200265442	2019-02-15	SYSTEM AND METHOD FOR A VEHICLE CUSTOMER SUPPORT BLOCKCHAIN-BASED PLATFORM	Nutonya PARKER;	TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH AMERICA, INC.;
3,786	20200265481	2019-02-15	DONOR AND RECIPIENT AUTHENTIC AUTHORIZATION	Manu Kurian;	
3,787	20190260715	2019-02-15	COMPUTER SYSTEM, CONNECTION APPARATUS, AND PROCESSING METHOD USING TRANSACTION	Takayuki SUZUKI; Toshirou YAMAYOSHI; Hisayoshi SATO; Masayuki YOSHINO; Ken NAGANUMA; Dai WATANABE;	
3,788	20200211000	2019-02-14	BLOCKCHAIN NETWORK AND NODES FOR TRACKING DEVICE AS A SERVICE OPERATIONS	Parthasarathy Narasimhan;	
3,789	20190251075	2019-02-14	ASSET MANAGEMENT METHOD AND APPARATUS, AND ELECTRONIC DEVICE	Xuebing Yan;	Alibaba Group Holding Limited;
3,790	20190251504	2019-02-13	TRANSPORTATION NETWORK FOR CONTINUOUS MOVEMENT OF CARGO	Jeremy Spillman;	
3,791	20190251527	2019-02-13	System, Method, and Computer Program Product for a Distributed, Cryptographically Secured Proof-of-Intent Transaction Network	Christopher Surdak;	
3,792	20190253524	2019-02-13	SERVER APPARATUS, CLIENT APPARATUS, AND DATA PROCESSING SYSTEM	Yusuke HOSHIZUKI;	AXELL CORPORATION;
3,793	20210042294	2019-02-12	BLOCKCHAIN-BASED CONSENT MANAGEMENT SYSTEM AND METHOD	Neeraj Srivastava;	DLT Labs, Inc.;
3,794	20190303670	2019-02-12	Inspection Of Freight Containers And Other Transport Industry Equipment	Aaron Bryden;	
3,795	20200035339	2019-02-11	BLOCKCHAIN SECURITY SYSTEM FOR SECURE RECORD ACCESS ACROSS MULTIPLE COMPUTER SYSTEMS	Sri Eevani; Raghavendra Suresh; Ravi Srinivasan;	
3,796	20190325431	2019-02-11	System and Method of Securely Exchanging Digital Token Currency for Goods and Services	Howard Mann;	
3,797	20190276135	2019-02-11	UNCREWED AERIAL FREIGHTER(TM) SYSTEM	Jan van Merkensteijn, IV;	
3,798	20210027369	2019-02-06	DECENTRALIZED ALGO-SHARING INFRASTRUCTURE FOR ZERO-LOSS ALGORITHMIC TRADING	Fazal RAHEMAN; Ali RAHEMAN; Sajid ANWAR;	
3,799	20200008299	2019-02-04	FLEXIBLE PRINTED ELECTRONICS	Bao Tran; Ha Tran;	
3,800	20190244287	2019-02-01	UTILIZING A MACHINE LEARNING MODEL AND BLOCKCHAIN TECHNOLOGY TO MANAGE COLLATERAL	Debi Prasad Datta; Harish Sankaranarayanan; K Satishkumar;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,801	20190244207	2019-01-31	SYSTEMS, METHODS AND MACHINE-READABLE MEDIUMS FOR BLOCKCHAIN ENFORCED CONDITIONAL TRANSFER OF CRYPTOCURRENCY	EHAB SAMUEL;	
3,802	20200242595	2019-01-30	SYSTEMS, METHODS, AND APPARATUSES UTILIZING A BLENDED BLOCKCHAIN LEDGER IN A CLOUD SERVICE TO ADDRESS LOCAL STORAGE	Daniel Harrison;	
3,803	20200242717	2019-01-30	PREVENTION OF IDENTIFICATION DOCUMENT FORGERY THROUGH USE OF BLOCKCHAIN TECHNOLOGY AND BIOMETRICS BASED AUTHENTICATION	PRANAB AGARWAL; CRAIG PEARSON; MICHAEL HOOD;	
3,804	20190236539	2019-01-30	SYSTEM AND METHOD FOR DELIVERY VEHICLE SECURITY USING BLOCKCHAIN	Brian MCHALE; Jennifer NORTHRUP; Richard MCSORLEY; Steven LEWIS; Christopher HEENEY; Joseph JURICH;	Walmart Apollo, LLC;
3,805	20190236604	2019-01-30	SYSTEM AND METHOD FOR VERIFYING RETAIL RETURNS USING BLOCKCHAIN	Brian MCHALE; David NELMS; John O'BRIEN; Robert CANTRELL;	Walmart Apollo, LLC;
3,806	20190236605	2019-01-30	SYSTEM AND METHOD FOR AUTHORIZING RETAIL RETURNS USING BLOCKCHAIN	Brian MCHALE; David NELMS; John O'BRIEN;	Walmart Apollo, LLC;
3,807	20190238338	2019-01-30	CLONING DRONES USING BLOCKCHAIN	John O'BRIEN; Donald HIGH; Joseph JURICH; Brian MCHALE; Robert CANTRELL; Todd MATTINGLY;	Walmart Apollo, LLC;
3,808	20190238319	2019-01-30	RIGHTS MANAGEMENT OF CONTENT	Michael Beck;	
3,809	20190236564	2019-01-29	SYSTEM AND METHOD FOR DIGITAL CURRENCY VIA BLOCKCHAIN	Robert CANTRELL; David NELMS; John O'BRIEN; Brian MCHALE;	Walmart Apollo, LLC;
3,810	20210182871	2019-01-28	POST-PROCESSING METHOD AND DEVICE BASED ON COPYRIGHT REGISTRATION INFORMATION, APPARATUS, AND MEDIUM	Yan ZHANG; Haitao HUANG; Xinjie HUANG; Xiaohao WANG;	
3,811	20190156065	2019-01-27	System and methods for storing information regarding ideas, discoveries and scientific achievements	Gelu Comanescu;	Other;
3,812	20200242703	2019-01-25	BLOCKCHAIN PAYROLL SYSTEM	Roberto Masiero; Fabiano Pereira;	
3,813	20190288513	2019-01-25	DECENTRALIZED ENERGY MANAGEMENT UTILIZING BLOCKCHAIN TECHNOLOGY	Kiyoshi Nakayama; Ratnesh Sharma;	
3,814	20200242593	2019-01-25	VALUE OPTIMIZING DATA STORE	Pralhad Deshpande; Laura Wynter;	
3,815	20190236698	2019-01-24	METHOD AND SYSTEM FOR RECONCILING THE EXCHANGE OF CRYPTOCURRENCIES UTILIZING BLOCKCHAIN	Richard Postrel;	
3,816	20190272589	2019-01-24	SECURITIZATION OF TRANSPORTATION UNITS	Erik Simpson;	
3,817	20190251526	2019-01-24	Method and System for Implementing Digital Currency Tied to Physical Precious Metals	Mark Jackson;	
3,818	20190228429	2019-01-24	SAFETY INDEX FOR THE CALCULATION OF A RATING BASED ON USER GENERATED REPORTS OR ACTIONS AND REWARDS SYSTEM THEREFOR	Peter Mottur; James Cobery; Claude Sheer; Nathan Whittaker;	Vizsafe, Inc.;
3,819	20200236032	2019-01-23	Blockchain Routing Protocols	Nitin Singla; Sunil Jayadevappa; Yashavantha Naguvanahalli;	
3,820	20200236031	2019-01-23	Blockchain Routing Protocols	Nitin Singla; Sunil Jayadevappa; Yashavantha Naguvanahalli;	

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3,821	20190229930	2019-01-23	BLOCKCHAIN FOR THE CONNECTED HOME	Asad Haque; Noopur Davis; Sridhar Solur;	
3,822	20210035090	2019-01-23	SYSTEM AND METHOD FOR SECURE DATA DELIVERY	Philip IANNACCONE;	
3,823	20190268165	2019-01-23	CRYPTOASSET CUSTODIAL SYSTEM WITH DIFFERENT RULES GOVERNING ACCESS TO LOGICALLY SEPARATED CRYPTOASSETS	Diogo Monica; Nathan McCauley; Boaz Avital; Riyaz Faizullabhoy;	
3,824	20210176160	2019-01-22	METHOD AND DEVICE FOR SYNCHRONIZING NODE OF BLOCKCHAIN	Wenyu Yang; Chunmeng Gao;	BEIJING KINGSOFT INTERNET SECURITY SOFTWARE CO., LTD.;
3,825	20190228469	2019-01-22	METHOD AND APPARATUS FOR A CONSUMER CONTROLLED, DECENTRALIZED FINANCIAL PROFILE	Michael Yu; Eugene Marinelli; Nima Ghamsari;	Blend Labs, Inc.;
3,826	20190229931	2019-01-22	DISTRIBUTED TELEPHONE NUMBER LEDGER AND REGISTER	Adam Uzelac;	Level 3 Communications, LLC;
3,827	20200358812	2019-01-18	METHOD FOR DETERMINING MAIN CHAIN OF BLOCKCHAIN, DEVICE, AND STORAGE MEDIUM	Wei XIAO;	
3,828	20190228391	2019-01-18	BLOCKCHAIN BALANCE ADJUSTMENT	Danqing Hu; Xuebing Yan;	Alibaba Group Holding Limited;
3,829	20190228468	2019-01-18	REGULATORY INSPECTION IN A BLOCKCHAIN NETWORK	Danqing Hu; Sen Lin;	Alibaba Group Holding Limited;
3,830	20190266597	2019-01-18	Healthcare Syndicate Electronic Token	Omar Mohtar;	
3,831	20190228388	2019-01-18	FUND FLOW METHOD AND APPARATUS, AND ELECTRONIC DEVICE	Danqing Hu; Xuebing Yan;	Alibaba Group Holding Limited;
3,832	20190228389	2019-01-18	FUND FLOW REPORT GENERATION METHOD AND DEVICE	Danqing Hu; Sen Lin;	Alibaba Group Holding Limited;
3,833	20190228393	2019-01-18	FUND FLOW PROCESSING METHOD AND DEVICE	Danqing Hu; Xuebing Yan;	Alibaba Group Holding Limited;
3,834	20190222418	2019-01-11	Systems and Methods for Key Exchange in Blockchain	John O'Brien; Aditya Hemdev; Adrian Cabal; Steven Lewis; Chris Heeney; Joseph Jurich, JR; Robert Cantrell; Todd Mattingly; Brian McHale; Bruce Wilkinson; Donald High;	
3,835	20200220881	2019-01-09	WEIGHTED VERIFICATION OF ENTITY DATA BLOCKS ON A BLOCKCHAIN	Ashwin KRISHNAMURTHY; Avishek GYAN CHAND; Preeti ANADURE; Mukul ARORA;	
3,836	20200050479	2019-01-09	BLOCKCHAIN NETWORK AND TASK SCHEDULING METHOD THEREFOR	DAXIN ZHU; YU WANG;	
3,837	20200052885	2019-01-09	FILE STORAGE METHOD AND APPARATUS FOR BLOCKCHAIN NETWORK	DAXIN ZHU; YU WANG;	
3,838	20200052996	2019-01-09	CONSENSUS INCENTIVE METHOD FOR BLOCKCHAIN	DAXIN ZHU; YU WANG;	
3,839	20190146946	2019-01-09	METHOD AND DEVICE FOR ARCHIVING BLOCK DATA OF BLOCKCHAIN AND METHOD AND DEVICE FOR QUERYING THE SAME	Le ZHANG;	
3,840	20200220725	2019-01-09	SYSTEM AND METHOD FOR AUTHENTICATING A CALLER OF A TELEPHONIC CALL	MICHAEL HUDSON; JOHN BARRS, II; PREDRAG MAKSIMOVIC; VLADIMIR PERIC;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,841	20200220729	2019-01-09	SYSTEM AND METHOD FOR AUTHENTICATING A SENDER OF AN ELECTRONIC MAIL (E-MAIL) OVER A NETWORK	MICHAEL HUDSON; JOHN BARRS, II;	
3,842	20200220730	2019-01-09	SYSTEM AND METHOD FOR AUTHENTICATING SENDER(S) OF AN ELECTRONIC MESSAGE TRANSMITTED OVER A TELEPHONY NETWORK	MICHAEL HUDSON; JOHN BARRS, II;	
3,843	20200067714	2019-01-08	BLOCKCHAIN BASED SYSTEM TO PERFORM A TRANSACTION AND METHOD THEREOF	VINOD NAIR;	
3,844	20200381088	2019-01-08	METHOD AND SYSTEM FOR CLINICAL TRIAL RESOURCE MANAGEMENT USING BLOCK CHAIN	Min KIM; Ji LEE; Sang JEONG;	INDUSTRIAL COOPERATION FOUNDATION CHONBUK NATIONAL UNIVERSITY;
3,845	20200218940	2019-01-08	CREATING AND MANAGING MACHINE LEARNING MODELS IN A SHARED NETWORK ENVIRONMENT	HOWARD ANGLIN; FANG WANG; SU LIU; ANNA CHANEY;	
3,846	20190251503	2019-01-08	STRATEGY GAME LAYER OVER PRICE BASED NAVIGATION	Erik Simpson;	
3,847	20190311447	2019-01-07	METHOD AND APPARATUS FOR REAL TIME, DYNAMIC MANAGEMENT OF REAL ESTATE FINANCE, SERVICES, AND REPORTING	James Strnad, II;	
3,848	20190220854	2019-01-04	Techniques for Blockchain Transactions	Gregori Pesci; Joshua Child; Damon Hogan;	
3,849	20210065324	2019-01-03	RIGHTS MANAGEMENT METHOD, DEVICE AND SYSTEM, AND STORAGE MEDIUM	Zhengong ZHAO; Zheng WU;	
3,850	20200219017	2019-01-03	MARKET LAYER PRICE QUEUE MAP ROUTING FOR MULTI-LAYERED NODAL NETWORK TOPOLOGY FOR A MULTI-MODAL SECURE FORWARD MARKET AUCTION IN TRANSPORTATION CAPACITY AND SPACE	Erik Simpson;	
3,851	20200074438	2019-01-03	MOBILE DEVICE PAYMENT SYSTEM AND METHOD	ANDREW BOEMI;	
3,852	20190205788	2019-01-03	METHOD OF USING DIGITAL CURRENCY FOR INCENTIVIZING DISTRIBUTED DISCOVERY OF NOVEL ALLOYS	David Hall; Conrad Rosenbrock; Benjamin Swenson; Jared Eggett; Matthew Van Dyke; Raphael Pak;	
3,853	20200213215	2019-01-02	ACCESS DEVICE BLOCKCHAIN NETWORK SYSTEMS AND METHODS	Sunil Jayadevappa; Yashavantha Nagaraju; Nitin Singla;	
3,854	20200211305	2019-01-02	AUTHORIZED ACCESS EVALUATION AND REMEDIATION SYSTEM	Michael Bender; Shilpa Shetty; Stan Daley; Kedar Daptardar;	
3,855	20200211092	2018-12-31	ADAPTIVE PRODUCT LISTING USING BLOCKCHAIN INVENTORY AND SMART CONTRACTS	Pankaj Sarin;	
3,856	20220067033	2018-12-27	METHOD AND APPARATUS FOR PROCESSING DATA FOR A BLOCKCHAIN	Yan ZHANG; Yi SHI; Antonio WANG;	
3,857	20200210170	2018-12-27	RESOLVING POTENTIAL MERGE CONFLICTS BY UTILIZING A DISTRIBUTED BLOCKCHAIN FRAMEWORK	Kyle Johnson;	
3,858	20200210996	2018-12-27	SYSTEMS, METHODS, AND PLATFORMS FOR PROVIDING TRACKING THROUGH BLOCKCHAIN NETWORKS	Joshua Edwards; Abdelkader Benkreira; Michael Mossoba; WIlliam Carroll, II;	
3,859	20220038280	2018-12-21	TECHNIQUE FOR COMPUTING A BLOCK IN A BLOCKCHAIN NETWORK	Oscar PUNAL; Mohammad JAFARI;	Telefonaktiebolaget LM Ericsson (publ);
3,860	20200202318	2018-12-21	SYSTEMS AND METHODS FOR RECORDING LICENSING OR USAGE OF AVIATION SOFTWARE PRODUCTS USING SHARED LEDGER DATABASES	Abdur RAB; Prashanth THIRUMALAIVENJAMUR; Arivazhagan V; Keerthi JAYARAJAN;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,861	20200201838	2018-12-20	MIDDLEWARE TO AUTOMATICALLY VERIFY SMART CONTRACTS ON BLOCKCHAINS	Gabriela Ciocarlie; Karim Eldefrawy; Tancrede Lepoint; Jorge Laserna; Akos Hajdu; Dejan Jovanovic;	
3,862	20200202291	2018-12-20	BIOMETRIC AUTHENTICATION IN PRODUCT DISTRIBUTION	Kazuto Yamamoto; Randy Soriano;	
3,863	20200202343	2018-12-20	BLOCKCHAIN-BASED SUSPICIOUS ACTIVITY VERIFICATION AND RECORDING	Meng Shi; Udeep Manchanda; Bailiang Gong; Yongmei Xue;	
3,864	20200167745	2018-12-20	DATA MANAGEMENT SYSTEM AND METHOD OF DISTRIBUTING A DIGITAL CONTENT FILE	Dong-hwan Shin; Kyung-jun Park; Hong-joon Ha; Lae-wook Lee; Hwa-min Yu; Jong-uk Choi;	MARKANY INC.;
3,865	20200167764	2018-12-20	BLOCKCHAIN-BASED TRANSACTION RECORDATION METHOD AND RELATED PRODUCTS	Xiahong Lin;	
3,866	20200193468	2018-12-17	BLOCKCHAIN FOR ADS AND COUPONS	James Rice;	
3,867	20210166220	2018-12-15	Method for Enabling Access to Past Transaction in Blockchain Network, and Node	Yuzo KANO; Takafumi KOMIYAMA;	
3,868	20200193521	2018-12-15	CONTEXT-AWARE BLOCKCHAIN INSURANCE	Jennifer Elworthy;	
3,869	20190188627	2018-12-13	SYSTEM FOR CREATING COLLABORATIVE PROJECT DATA	Gregory Hein; Bryan Goerger;	
3,870	20210073795	2018-12-12	DEVICE FOR STORING DIGITAL KEYS FOR SIGNING TRANSACTIONS ON A BLOCKCHAIN	Emmanuel RUIZ; Carlos PILOTO FONSECA; Ruben ALFONSO REYES; Brian ROETEN;	
3,871	20200082388	2018-12-12	AUTHENTICATING SERVER AND METHOD FOR TRANSACTIONS ON BLOCKCHAIN	Chung-Li WANG; Chun-Wei HUANG; Haw YUAN; Chi-Liang CHENG; Hong-Bin YANG; Li-Zhong YEO; Yu-Chieh TSENG;	
3,872	20200322132	2018-12-12	SYSTEM AND METHOD FOR AUTHENTICATING OFF-CHAIN DATA BASED ON PROOF VERIFICATION	Alexandra COVACI; Simone MADEO; Patrick MOTYLINSKI; Stephane VINCENT;	
3,873	20200195421	2018-12-12	MINING FOR INTERNET ACCESS	JEAN-FRANCOIS GAGNON;	
3,874	20210319384	2018-12-11	Blockchain-Based Energy Interaction Apparatus, Energy Internet System and Interaction Method	Lingjun Wang; Fangcui Xu; Xiao Luo;	
3,875	20200184739	2018-12-10	BLOCK CHAIN BASED SYSTEM AND METHOD FOR IMPROVING AIRCRAFT MAINTENANCE SERVICES	Visvanathan Nathan; R Umashankar; Sachin Pratap; Sivakumar Kanagarajan; Sreenivas Venkataramappa; Amrit Mann;	HONEYWELL INTERNATIONAL INC.;
3,876	20200184470	2018-12-08	IDENTITY ECOSYSTEM	Kapil Singh; Suresh Chari; Sridhar Muppidi;	
3,877	20200184404	2018-12-06	Fleet Trigger-Based Incentives With Blockchain	Abraham Mezaael; Thomas Woloszyn; Shaheer Ahmed;	
3,878	20200186458	2018-12-06	AUTONOMOUS SYSTEM ROUTE VALIDATION VIA BLOCKCHAIN	Paul Farag; Andrew Watts; Cameron Byrne;	
3,879	20190385223	2018-12-06	Blockchain Banking Gateway	Amit Sharma;	
3,880	20210049562	2018-12-06	METHOD AND APPARATUS FOR CREATING A CRYPTOCURRENCY OR DIGITAL LEDGER TOKEN INDEX FOR BLOCKCHAINS	Clarke Long; Ian Sayers;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,881	20210391992	2018-12-05	MANAGING CLIENT AUTHORISATION	Joshua Schiffman; Remy Husson; Thalia Laing;	Hewlett-Packard Development Company, L.P.;
3,882	20200175514	2018-12-04	USING A BLOCKCHAIN TO ESTABLISH A WEB OF TRUST	Eric Bier; Marc Mosko;	
3,883	20190139136	2018-12-04	SYSTEMS AND METHODS FOR TRADING, CLEARING AND SETTLING SECURITIES TRANSACTIONS USING BLOCKCHAIN TECHNOLOGY	Vincent Molinari; Joe Latona; Christopher Pallotta; Clifford Friedman;	
3,884	20210068711	2018-12-04	COMPUTERIZED REWARD SYSTEM OF DIGITAL ASSETS	Aldric TRINDADE NEGRIER; Luis RODRIGUES DE SOUSA; Samuel RAMOS;	
3,885	20200177579	2018-12-03	Encrypted Blockchain Object Transfers Using Smart Contracts	Craig Allen;	
3,886	20200412554	2018-11-30	ID AS SERVICE BASED ON BLOCKCHAIN	Jong Lee;	SANGMYUNG UNIVERSITY CHEONAN COUNCIL FOR INDUSTRY-ACADEMIC COOPERATION FOUNDATION;
3,887	20190172026	2018-11-30	CROSS BLOCKCHAIN SECURE TRANSACTIONS	Peter Vessenes; Philip Hofer;	
3,888	20210174357	2018-11-30	Method for Making Smart Contract Executable in Block Chain Network, and Node	Yuzo KANO; Takafumi KOMIYAMA;	
3,889	20190384587	2018-11-29	SYSTEM AND METHOD FOR INSTALLING LOADABLE SOFTWARE AIRPLANE PARTS (LSAP) OF A SET OF CERTIFIED ORCHESTRATED PROCEDURES USING A BLOCKCHAIN NETWORK	Sujay Rao; Satyanarayan Kar; Lawrence Surace;	HONEYWELL INTERNATIONAL INC.;
3,890	20200174990	2018-11-29	Accountably Redactable Data Structures	Anthony Pratkanis;	
3,891	20200175503	2018-11-29	RESOURCE-BASED DISTRIBUTED PUBLIC LEDGER SYSTEM	Pankaj Sarin;	
3,892	20210406250	2018-11-28	METHOD AND SYSTEM FOR REDUCING THE SIZE OF A BLOCKCHAIN	Oscar NOVO DIAZ; Valentin TUDOR; Aitor HERNANDEZ HERRANZ;	Telefonaktiebolaget LM Ericsson (publ);
3,893	20200167770	2018-11-28	BLOCKCHAIN IMPLEMENTATION ACROSS MULTIPLE ORGANIZATIONS	Manu Kurian; Lalit Dhawan;	
3,894	20200167756	2018-11-28	HYBRIDIZED CRYPTOCURRENCY AND REGULATED CURRENCY STRUCTURE	Aaron Baughman; Barry Graham; Craig Trim;	
3,895	20190180274	2018-11-28	METHODOLOGY AND SYSTEM FOR A BLOCKCHAIN-BASED MOBILE MONEY GATEWAY	Sandra JOHNSON;	
3,896	20200213100	2018-11-27	MULTI-CHAIN INFORMATION MANAGEMENT METHOD, STORAGE MEDIUM AND BLOCKCHAIN IDENTITY PARSER	Quan Zhang; Bo Zhu;	
3,897	20200167740	2018-11-26	SYSTEM AND METHOD FOR TRANSITIONING A BLOCKCHAIN BETWEEN DIFFERENT STATES	Keir Finlow-Bates;	
3,898	20200364788	2018-11-26	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR ENHANCED BITCOIN WALLETS	Craig WRIGHT;	
3,899	20200349566	2018-11-23	DEVICE CONTROL METHOD AND RELATED DEVICE	Jingqing MEI;	HUAWEI TECHNOLOGIES CO., LTD.;
3,900	20200160330	2018-11-21	LIGHTWEIGHT BLOCKCHAIN SUPPORTED TRANSACTION PLATFORM WITH PROOF-OF-TWO CONSENSUS AND CENTRALIZED IDENTIFICATION MANAGEMENT	Jun Yan;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,901	20190173854	2018-11-21	DECENTRALIZED INFORMATION SHARING NETWORK	Michael Beck;	
3,902	20200160352	2018-11-20	METHOD AND SYSTEM FOR IDENTIFYING PRODUCT GENUINENESS	Vipul Mehrotra; Ved Pratap Singh Chauhan; Jaipal Kumawat;	MASTERCARD INTERNATIONAL INCORPORATED;
3,903	20190199700	2018-11-20	SYSTEM AND METHOD FOR BLOCK CHAIN ENCRYPTED COMMUNICATION AND IDENTIFICATION	Marc Abramowitz;	
3,904	20190156440	2018-11-20	BLOCKCHAIN-BASED ROOM INVENTORY MANAGEMENT SYSTEM	Chun Wang; Chung Hsieh;	
3,905	20190156938	2018-11-20	SYSTEM, METHOD AND DATA MODEL FOR SECURE PRESCRIPTION MANAGEMENT	Michael Brunner;	
3,906	20200162261	2018-11-18	SYSTEM AND METHOD OF BLOCKCHAIN CONSENSUS MECHANISM WITH CUSTOM HARDWARE BASED ON GEOGRAPHIC DISTRIBUTION, DENSITY, NODE ASSET AND REPUTATION	Ramachandran Iyer;	
3,907	20200162260	2018-11-16	Blockchain Ledger for Persisting and Verifying Oil and Gas Events	Carlos Boneti; Christopher Leader;	
3,908	20190164236	2018-11-16	METHOD OF MATCHING RENEWABLE ENERGY PRODUCTION TO END-USER CONSUMPTION VIA BLOCKCHAIN SYSTEMS	Timothy MAYNE; Serge UMANSKY;	
3,909	20190156363	2018-11-16	IMPLEMENTATION OF A LOYALTY PROGRAM AND EXCHANGE SYSTEM UTILIZING A BLOCKCHAIN	Richard Postrel;	
3,910	20200250779	2018-11-16	Worldwide Prior Art and Legal Representative Repository and System for Cooperation Between Worldwide National Patent Offices	ERICH SPANGENBERG; DANIEL BORK; PASCAL ASSELOT; BRIAN BERMAN;	
3,911	20200051166	2018-11-16	SYSTEM AND METHOD FOR TRADING ASSETS AMONG PARTIES THROUGH TOKENIZATION OF ASSETS	Myoung LOH; Si SONG;	TICKETSOCKET KOREA Co., Ltd.;
3,912	20200160326	2018-11-15	SYSTEM AND METHOD FOR OPTIMIZING DATA WRITING TO A BLOCKCHAIN	Pankaj Sarin;	
3,913	20200160334	2018-11-15	ENHANCED CONTRACT EXECUTION	Alfredo Alba; Chad DeLuca; Linda Kato; Anna Gentile; Chris Kau; Daniel Gruhl;	
3,914	20200151840	2018-11-14	PEER-TO-PEER SCHOLARSHIP, MENTORSHIP, AND APPRENTICESHIP DISTRIBUTED APPLICATION, METHOD, AND SYSTEM USING A BLOCKCHAIN	Micah McCrary-Dennis;	
3,915	20190158270	2018-11-14	Exchanging Asset, Maintenance, And Spares Parts Information Via Blockchain	Joseph Berti;	International Business Machines Corporation;
3,916	20200153605	2018-11-13	SYSTEMS AND METHODS FOR PRE-EXECUTING TRANSACTION VALIDATION FOR BLOCKCHAIN APPLICATIONS	Shiwen HU; Xiaohan MA; Guojun CHU;	
3,917	20210287210	2018-11-09	Blockchain Transaction Storing and Queuing Method	Sijin Wu; Zhiwen Wang;	
3,918	20200151661	2018-11-09	DECENTRALIZED CARGO MARKETPLACE AND DELIVERY	Abraham MEZAAEL;	
3,919	20200151266	2018-11-08	DATA PROCESSING USING EXTERNAL INFORMATION	Hironori Takeuchi; Takaaki Tateishi;	
3,920	20190141048	2018-11-07	BLOCKCHAIN IDENTIFICATION SYSTEM	Jay Fallah; Scott Rankine; Josef Zankowicz;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,921	20200142693	2018-11-07	TRANSPARENT CODE PROCESSING	Matthias Neugschwandtner; Anil Kurmus;	
3,922	20210182849	2018-11-06	LIMITED SCOPE BLOCKCHAIN SYSTEM	John DAVIES; Andrew WEINSTEIN; Justin HANDVILLE;	
3,923	20210174360	2018-11-06	BLOCKCHAIN SYSTEM	John DAVIES; Andrew WEINSTEIN; Justin HANDVILLE;	
3,924	20200142965	2018-11-06	MIGRATION OF A LEGACY SYSTEM	Komminist Weldemariam; Praveen Jayachandran; Abdigani Diriye;	
3,925	20200143085	2018-11-05	SYSTEM, BUSINESS AND TECHNICAL METHODS, AND ARTICLE OF MANUFACTURE FOR DESIGN, IMPLEMENTATION, AND USAGE OF INTERNET OF THINGS DEVICES AND INFRASTRUCTURE, SOCIAL MEDIA ARCHITECTURE AND GENERAL COMPUTING DEVICE SECURITY ADVANCEMENTS	JASON COONER;	
3,926	20200143496	2018-11-05	PROOF-CARRYING SMART CONTRACT	Shin Saito; Takaaki Tateishi;	
3,927	20200143365	2018-11-03	REAL-TIME MONITORING OF OBJECTS IN BLOCKCHAIN NETWORKS	Hiroaki Nakamura;	
3,928	20190385153	2018-11-03	INTELLIGENT GAS METER SYSTEM WITH LIGHT WALLET	HUA CUI; YUSEN YANG;	HEPU Technology Development (Beijing) Co., LTD.;
3,929	20190385154	2018-11-03	INTELLIGENT WATER METER SYSTEM WITH LIGHT WALLET	HUA CUI; YUSEN YANG;	HEPU Technology Development (Beijing) Co., LTD.;
3,930	20190325430	2018-11-03	INTELLIGENT ELECTRICITY METER SYSTEM WITH LIGHT WALLET	HUA CUI; YUSEN YANG; BO XU; ZHI TAN; HUI CHEN;	HEPU Technology Development (Beijing) Co., LTD.;
3,931	20200143337	2018-11-02	SECURE COMPUTER NETWORK-BASED PLATFORM	Larry Conroy; Jason Davidson;	
3,932	20210004774	2018-11-01	METHOD AND SYSTEM PROVIDING INTEROPERABILITY BETWEEN BLOCKCHAIN ECOSYSTEMS	Vivekanand RAMGOPAL;	Tata Consultancy Services Limited;
3,933	20210192514	2018-11-01	DISTRIBUTED COMPUTING SYSTEM AND METHOD	Alexandra COVACI; Simone MADEO; Patrick MOTYLINSKI; Stephane VINCENT;	
3,934	20200349540	2018-10-31	CONTENT DISTRIBUTION MANAGEMENT SYSTEM AND METHOD USING BLOCKCHAIN TECHNOLOGY	Chang CHO; Jung MIN;	
3,935	20200344511	2018-10-31	CONTENT DISTRIBUTION MANAGEMENT SYSTEM AND METHOD USING BLOCKCHAIN TECHNOLOGY	Chang CHO; Jung MIN;	
3,936	20200134606	2018-10-31	ASSET MANAGEMENT IN ASSET-BASED BLOCKCHAIN SYSTEM	Stephen Todd; Assaf Natanzon;	
3,937	20200136831	2018-10-31	API AND DOMAIN SPECIFIC LANGUAGE FOR 1 TO MANY, STATE-BASED, GRANULAR, TERMS AND CONDITIONS ACCEPTANCE	Debra Danielson; Brendan Doherty;	
3,938	20200133658	2018-10-30	CHANGE GOVERNANCE USING BLOCKCHAIN	Siddharth Agrawal; Chetan Somaiah;	
3,939	20210019765	2018-10-30	BLOCKCHAIN-BASED BUSINESS PROCESSING METHOD AND SYSTEM	Hongqi LIN;	
3,940	20190132350	2018-10-30	SYSTEM AND METHOD FOR VALIDATION OF DISTRIBUTED DATA STORAGE SYSTEMS	Alfred SMITH; Muhammad KHAN;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,941	20210377041	2018-10-29	SYSTEM FOR RECORDING VERIFICATION KEYS ON A BLOCKCHAIN	Alexandra COVACI; Simone MADEO; Patrick MOTYLINSKI; Stephane VINCENT;	
3,942	20210144006	2018-10-29	A Traceable Method of the Blockchain Data	Tianjun Ma; Haixia Xu; Peili Li; Yongheng Mu;	
3,943	20200278959	2018-10-26	SYSTEM AND METHOD FOR BLOCKCHAIN COEXISTENCE	Vivekanand RAMGOPAL;	Tata Consultancy Services Limited;
3,944	20200134216	2018-10-26	SYSTEMS AND METHODS TO UPDATE SHARED DATABASES USING BLOCKCHAIN TECHNOLOGY	Sriram R; Norman BALCHUNAS, JR; Swetha BALASA; Pushpa Veerabhadra REDDY;	Honeywell International Inc.;
3,945	20200134592	2018-10-26	SYSTEMS AND METHODS FOR VEHICLE SHARING ON PEER-TO-PEER NETWORKS	Prashant Rao; Abhishek Sharma; Amanuel Zeryihun; Pramita Mitra; David Melcher;	Ford Global Technologies, LLC;
3,946	20200134221	2018-10-25	SYSTEM AND METHOD FOR BLOCKCHAIN DOCUMENT ACCESS AND DISTRIBUTION CONTROL	William SU; Jia ZHANG;	
3,947	20190182313	2018-10-25	APPARATUS AND METHOD FOR PROCESSING BLOCKCHAIN TRANSACTION IN DISTRIBUTED MANNER	Hyun YOO; Jong YIM; Ji KWAK; Sun KIM; Thai Tung;	Electronics and Telecommunications Research Institute;
3,948	20190130392	2018-10-25	AUTOMATIC GENERATION OF TAX INFORMATION FROM A DISTRIBUTED LEDGER	Gaurav Kale;	
3,949	20190122161	2018-10-25	Real-Time Skills-Based and Competency Assessment System and Method	Frank Cicio, JR;	iQ4 LLC;
3,950	20210398126	2018-10-24	BLOCKCHAIN INFORMATION DETERMINATION SERVER, BLOCKCHAIN INFORMATION DETERMINATION METHOD, AND RECORDING MEDIUM IN WHICH BLOCKCHAIN INFORMATION DETERMINATION PROGRAM IS RECORDED	Hyun LEE;	BIGSTER INC.;
3,951	20200295942	2018-10-23	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR LINKING A BLOCKCHAIN TO A SET OF DIGITAL TWINS	Silvia BARTOLUCCI; Simone MADEO;	
3,952	20190122183	2018-10-23	BLOCKCHAIN SCHEDULING	Nik KALYANI; Scott Adams; Quin Harker;	
3,953	20190122258	2018-10-23	DETECTION SYSTEM FOR IDENTIFYING ABUSE AND FRAUD USING ARTIFICIAL INTELLIGENCE ACROSS A PEER-TO-PEER DISTRIBUTED CONTENT OR PAYMENT NETWORKS	Chiron BRAMBERGER; Jonathan GILLHAM; Daniel SHAPIRO;	
3,954	20200327629	2018-10-19	System and Method of IP Ownership and IP Registration Via a Blockchain Transactional Platform	ERICH SPANGENBERG; DANIEL BORK; PASCAL ASSELOT; BRIAN BERMAN;	
3,955	20200126173	2018-10-19	METHOD AND APPARATUS FOR BLOCKCHAIN ASSISTED DYNAMIC CONTRACT ADJUSTMENT	Abraham MEZAAEL; Jeffrey BLAIR; John VANGELOV; Aziz MAKKIYA;	
3,956	20190121813	2018-10-19	System and Method of Sovereign Digital Identity Search and Bidirectional Matching	Timothy Galebach; Jared Bowie; Michael Chin; Stephen Galebach;	
3,957	20190372756	2018-10-18	Method for managing content based on blockchain and system for performing the method	Suhyun KIM; Gyuwon SONG;	KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY;
3,958	20190114706	2018-10-17	BLOCKCHAIN ORACLE FOR MANAGING LOANS COLLATERALIZED BY DIGITAL ASSETS	Gregg Bell; Matthew Hill; Shawn Owen;	SALT Lending Holdings, Inc.;
3,959	20190116036	2018-10-17	SYSTEM AND METHOD FOR BUILDING A BLOCKCHAIN APPLICATION	RAHUL SABHARWAL; ROHIT THUKRAL; VINEET GOGIA;	
3,960	20210314154	2018-10-17	APPARATUS AND METHOD FOR DYNAMIC SHARDING OF CONCURRENT BLOCKCHAINS	Remy Husson; Joshua Schiffman; Thalia Laing;	Hewlett-Packard Development Company, L.P.;

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#	Pub. No	Filed	Title	Inventors	Assignees
3,961	20200126114	2018-10-17	Blockchain-Based Advertising Delivering and Evaluation Method	Ku-Chang Kuo; Che-Ming Hsu; Yi-Han Chen; Ku-Lan Kan;	
3,962	20190392429	2018-10-17	CAPITAL INHERITANCE SYSTEM AND METHOD FOR FACILITATING TRANSFER OF DIGITAL CRYPTOCURRENCY	Abhijit Keskar; Akash Mishra;	
3,963	20200117730	2018-10-16	DATABASE MANAGEMENT	Kapil VASWANI; Manuel COSTA; Mark RUSSINOVICH;	
3,964	20190050831	2018-10-16	SYSTEM AND METHOD FOR MULTI-TIERED DISTRIBUTED NETWORK TRANSACTIONAL DATABASE	Dan Kikinis;	
3,965	20200118120	2018-10-15	METHODS AND SYSTEMS FOR PROVIDING A CUSTOMIZED NETWORK	Eileen HING; Charles Hing;	
3,966	20190050431	2018-10-13	SYSTEM AND METHOD FOR ENFORCING THE STRUCTURE AND CONTENT OF DATABASES SYNCHRONIZED OVER A DISTRIBUTED LEDGER	Jonathan Callan; Keir Finlow-Bates;	
3,967	20200118118	2018-10-12	Method and Apparatus for Processing Digital Asset Based on Blockchain	Yan ZHOU; Ruicong TANG; Hua ZHANG;	
3,968	20190114632	2018-10-12	METHOD AND SYSTEM TO PROVIDE ATTRIBUTION TO BLOCKCHAIN TRANSACTIONS	John Rome; Bethann Rome; Thomas Ketcham, II;	
3,969	20200117733	2018-10-11	BLOCKCHAIN INTEGRATION LAYER	Kai-Christoph Mueller; Frank Renkes; Brian McKellar;	
3,970	20210342899	2018-10-11	METHOD AND APPARATUS FOR TRANSACTING RESOURCE FLOW	Yi SHI; Yang ZHANG;	Hefei Dappworks Technology Co., Ltd.;
3,971	20200118131	2018-10-11	DATABASE TRANSACTION COMPLIANCE	Abdigani Diriye; Komminist Weldemariam; Kumar Bhaskaran; Clifford Pickover;	
3,972	20190116038	2018-10-11	Attestation With Embedded Encryption Keys	Steven Sprague;	
3,973	20200118086	2018-10-10	SMART CONTRACTS WITHIN A BLOCKCHAIN SYSTEM TO DYNAMICALLY AND AUTOMATICALLY MANAGE A REPLACEMENT PROCESS	Brice Achkir;	
3,974	20190108576	2018-10-10	BLOCKCHAIN SYSTEMS AND METHODS FOR PROCUREMENT	Frank LaPrade; Matthew Tomaszewicz;	Capital One Services, LLC;
3,975	20200118073	2018-10-10	BLOCKCHAINS FOR SECURED TRANSPORT OF A TANGIBLE FINANCIAL PRODUCT	Jeremy Phillips; Kurry Tran;	Capital One Services, LLC;
3,976	20190108499	2018-10-09	Decentralized Digital Token within an App Ecosystem	Bing Liu;	
3,977	20200372511	2018-10-08	Information Reminding Method and Apparatus, and Electronic Device	Kangzong ZHANG;	
3,978	20190108232	2018-10-08	Systems and Methods for Reputation Verification	Craig Calcaterra; Wulf Kaal;	SyTRes LLC;
3,979	20200111105	2018-10-05	METHOD AND SYSTEM FOR TRACKING AND USING CARBON CREDITS VIA BLOCKCHAIN	Pulkit Gupta; Ashish Jain; Bhupinder Narang; Shuvam Sengupta;	MASTERCARD INTERNATIONAL INCORPORATED;
3,980	20200313896	2018-10-04	DECLARATIVE SMART CONTRACTS	Silvio Micali;	

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#	Pub. No	Filed	Title	Inventors	Assignees
3,981	20190303886	2018-10-04	SYSTEM AND METHOD FOR MULTI-TIERED DISTRIBUTED NETWORK TRANSACTIONAL DATABASE	Dan Kikinis;	
3,982	20200250665	2018-10-02	Blockchain-based electronic transaction system free of sales platform and method thereof	Ching WU; Chun-Wei YU;	
3,983	20200103233	2018-10-01	DECENTRALIZED DISTRIBUTED MAP USING BLOCKCHAIN	Donal McErlean;	
3,984	20200051041	2018-10-01	SYSTEM AND METHOD FOR ARBITRATING A BLOCKCHAIN TRANSACTION	Hajoon Ko;	
3,985	20190392407	2018-09-29	ENCRYPTED ASSET TRANSFER SYSTEM AND METHOD FOR FACILITATING TRANSFER OF DIGITAL ASSETS	Abhijit Keskar;	
3,986	20190050854	2018-09-28	BLOCKCHAIN-BASED DIGITAL DATA EXCHANGE	Xue Yang; Florence Pon; Naissa Conde; Wei Koay; Maruti Gupta Hyde;	
3,987	20190097819	2018-09-27	System and Method for Determining the Relative Timing of Events Occurring in Geographically Disparate Locations	William Woodcock, IV;	
3,988	20200097862	2018-09-26	METHOD AND SYSTEM FOR OWNERSHIP VERIFICATION VIA BLOCKCHAIN	Ankur Arora; Chavan Yadav; Shashank Trivedi;	MASTERCARD INTERNATIONAL INCORPORATED;
3,989	20200097967	2018-09-26	METHOD AND SYSTEM FOR REFUND PROCESSING VIA BLOCKCHAIN	Rakesh Patel; Ankur Arora; Aditya Koduri;	MASTERCARD INTERNATIONAL INCORPORATED;
3,990	20190097806	2018-09-26	System and Methods for Resolving Data Discrepancies in a Distributed System with Blockchain Controls	David Vann; Steven Lewis; Rick Bough;	
3,991	20200097671	2018-09-25	Method of Managing Ownership of Virtual Object and Related Interactive Platform	Peter Chou; Chih-Heng Che;	
3,992	20190098013	2018-09-24	System and Methods for Location Verification with Blockchain Controls	Bruce Wilkinson;	
3,993	20190385183	2018-09-21	METHOD FOR AUTOMATICALLY PROVIDING CRYPTOCURRENCY TO RECOMMENDER USING PROPAGATION ON SNS	Sang RYU;	
3,994	20200097950	2018-09-20	PRIVILEGED ENTITY CONSENSUS FOR DIGITAL ASSET CREATION	David Thompson;	
3,995	20190155997	2018-09-20	CONTENT LICENSING PLATFORM, SYSTEM, AND METHOD	Bryan Vos; Nathan Finochio; Joel Auge; Steven Bosman; Joel Koops; Joel Houston;	1969329 Ontario Inc.;
3,996	20190384842	2018-09-19	SYSTEMS, METHODS AND DATA STRUCTURES FOR WORKFLOW BLOCKCHAINS	Dwarkanath Rao;	Toyota Motor Engineering & Manufacturing North America, Inc.;
3,997	20200242594	2018-09-18	SYSTEMS AND METHODS FOR SPECIALIZED CRYPTOCURRENCY TRANSACTIONS	Christopher MCCONNELL; Tracy AUERBACH;	
3,998	20190086235	2018-09-18	Smart Power Meter	HUA CUI; YUSEN YANG;	HEPU Technology Development (Beijing) Co., LTD.;
3,999	20190089155	2018-09-18	Energy Internet Router	HUA CUI; YUSEN YANG;	HEPU Technology Development (Beijing) Co., LTD.;
4,000	20210194890	2018-09-14	IN A DISTRIBUTED COMPUTING SYSTEM WITH UNTRUSTED ENTITIES METHOD AND APPARATUS FOR ENABLING COORDINATED EXECUTIONS OF ACTIONS	Swarup MOHALIK; Ramamurthy BADRINATH; Sandhya BASKARAN; Perepu SATHEESH KUMAR; Anshu SHUKLA;	

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#	Pub. No	Filed	Title	Inventors	Assignees
4,001	20200311678	2018-09-14	SMART CONTRACT EXECUTION USING DISTRIBUTED COORDINATION	John FLETCHER; Thomas TREVETHAN;	
4,002	20200313884	2018-09-14	SMART CONTRACT EXECUTION USING DISTRIBUTED COORDINATION	Thomas TREVETHAN;	
4,003	20200089908	2018-09-14	System, Method, and Apparatus for Digitally Managing Personal Data	Medhat Faltas;	
4,004	20200090143	2018-09-14	System, Method, and Apparatus for Online Content Platform and Related Cryptocurrency	Andrea Iervolino;	
4,005	20190087547	2018-09-14	DATA CAPTURE METHOD	Bennett I Oscar Collen; Christopher Murdock;	
4,006	20200092360	2018-09-13	SPARSE PEER WITH TRANSIENT PARTICIPATION	Balaji Viswanathan; Krishnasuri Narayanam; Senthilnathan Natarajan; Vinayaka Pandit;	
4,007	20200092361	2018-09-13	SPARSE PEER WITH TRANSIENT PARTICIPATION	Balaji Viswanathan; Krishnasuri Narayanam; Senthilnathan Natarajan; Vinayaka Pandit;	
4,008	20200092362	2018-09-13	A SPARSE PEER WITH TRANSIENT PARTICIPATION	Balaji Viswanathan; Krishnasuri Narayanam; Senthilnathan Natarajan; Vinayaka Pandit;	
4,009	20220060335	2018-09-12	METHOD FOR CREATING A BLOCKCHAIN DIGITAL IDENTITY, BASED ON AN ELECTRONIC SIGNATURE	Antonio PINEDO HOYVIK; Miguel CARMONA TAMAYO; Andrés VAZQUEZ SANCHEZ; Teodoro SANCHEZ JIMENEZ; Carina ESTRADA VILLEGAS; María José MARTINEZ VIVAS; Ariano HERNANDEZ HUERTA;	SIGNE,S.A.; NODALBLOCK,S.L.;
4,010	20200082405	2018-09-12	METHOD AND SYSTEM FOR CLIENT SUPPORT IN A BLOCKCHAIN NETWORK	Wenting Li; Ghassan Karame;	
4,011	20190080404	2018-09-10	SYSTEM AND METHOD OF PROVIDING A TIMING FEATURE TO TOKEN OFFERINGS	Vincent MOLINARI; Christopher PALLOTTA;	
4,012	20190080407	2018-09-10	SYSTEM AND METHOD OF PROVIDING UNIQUE IDENTIFIERS IN SECURITY BLOCKCHAIN-BASED TOKENS	Vincent MOLINARI; Christopher PALLOTTA; Joseph LATONA;	
4,013	20200082349	2018-09-07	Blockchain Timeclock System	Mitchel Maio;	
4,014	20200082359	2018-09-07	Evaluating Blockchain Computer Protocols	Yiji Xu;	
4,015	20200082398	2018-09-07	Proof-of-Devotion Blockchain Consensus Algorithm	Yiji Xu;	
4,016	20200082933	2018-09-07	PRE-AUTHORIZATION PROCESS USING BLOCKCHAIN	Fang Lu; Uri Kartoun; Shilpa Mahatma; Vishrawas Gopalakrishnan;	
4,017	20200084019	2018-09-07	Blockchain Ranking Engine	Yiji Xu;	
4,018	20200084041	2018-09-07	Automated Blockchain Protocol Update	Yiji Xu;	
4,019	20190080304	2018-09-07	ON-CHAIN FEES IN A BLOCKCHAIN DISTRIBUTION NETWORK	Uri Klarman; Aleksandar Kuzmanovic;	
4,020	20190005469	2018-09-07	Collateral Management With Blockchain and Smart Contracts Apparatuses, Methods and Systems	Sanjeev Dhupkar; Nishant Mehta; Harsh Singh; Thomas McGuire;	

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#	Pub. No	Filed	Title	Inventors	Assignees
4,021	20200082391	2018-09-06	PERFORMING BILATERAL NEGOTIATIONS ON A BLOCKCHAIN	Elli Androulaki; Angelo De Caro; Matthias Neugschwandtner; Alessandro Sorniotti;	
4,022	20190073701	2018-09-06	VEHICLE VALUATION MODEL BASED ON VEHICLE TELEMETRY	Haydn Sonnad; Hammad Hai;	
4,023	20190074968	2018-09-06	METHOD, APPARATUS AND SYSTEM FOR DATA ENCRYPTION AND DECRYPTION	Wenqing LIU; Juntao PENG;	
4,024	20200028691	2018-09-05	SYSTEM AND METHOD FOR A BLOCKCHAIN BASED AUTOMATED CERTIFIABLE WORKFLOW PROCESS	Sujay Rao; Satyanarayan Kar; Mritunjay Chourasia; Dinesh Rekula;	HONEYWELL INTERNATIONAL INC.;
4,025	20200074470	2018-09-05	DATABASE CONFIGURATION FOR ASSET TRANSFERS	Pralhad Deshpande; Muhammad Asif;	
4,026	20190087793	2018-08-31	ADDING CONCURRENCY TO SMART CONTRACTS	Thomas Dickerson; Paul Gazzillo; Maurice Herlihy; Eric Koskinen;	
4,027	20180374173	2018-08-31	COPYRIGHT MANAGEMENT METHOD AND SYSTEM	Yixin CHEN; Junrong Wen; Deqian Liu; Pu Zhang;	
4,028	20200074493	2018-08-30	SYSTEMS AND METHODS OF BLOCKCHAIN PLATFORM FOR AUTOMATED ASSET BASED PROVISIONING OF RESOURCES	Saswata Basu;	Other;
4,029	20200076574	2018-08-30	SYSTEMS AND METHODS OF BLOCKCHAIN PLATFORM FOR RULE-BASED DE-CENTRALIZED ROLES AND CONTROL	Thomas Austin; Saswata Basu;	0Chain, LLC;
4,030	20200042982	2018-08-30	Digital Contracts in Blockchain Environments	Paul Snow;	Factom;
4,031	20200074458	2018-08-30	PRIVACY PRESERVING TRANSACTION SYSTEM	Chander Govindarajan; Pralhad Deshpande;	
4,032	20200074419	2018-08-29	METHOD OF CONDUCTING A DIGITAL CURRENCY EXCHANGE TRANSACTION UTILIZING BLOCKCHAIN	Pragasen GOVENDER;	
4,033	20230245247	2018-08-28	Online Platform for Digital Content via Blockchain	Hongzheng Xiong;	
4,034	20190080538	2018-08-26	NOVEL HIGH ASSURANCE IDENTITY AUTHENTICATION AND GRANULAR ACCESS OVERSIGHT AND MANAGEMENT SYSTEM BASED ON INDOOR TRACKING, GPS AND BIOMETRIC IDENTIFICATION	Alex Shahidi;	
4,035	20200349565	2018-08-24	CONSTRAINTS ON INPUTS OF AN UNLOCKING TRANSACTION IN A BLOCKCHAIN	Ying CHAN; Dean KRAMER;	
4,036	20200202350	2018-08-24	CONSTRAINTS ON OUTPUTS OF AN UNLOCKING TRANSACTION IN A BLOCKCHAIN	Ying CHAN; Dean KRAMER;	
4,037	20200064792	2018-08-24	Event Engine for Building Management System Using Distributed Devices and Blockchain Ledger	Matthew Roberts; Miguel Galvez; Stephen Tarmey; Ashwin Lingannagari;	
4,038	20200064796	2018-08-24	Building Management System with Blockchain Ledger	Miguel Galvez; Walter Martin; Danny Hyun;	
4,039	20200065899	2018-08-23	ITEM MARKET PLACE IN BLOCKCHAIN ENVIRONMENT	Bernhard Fritsch; Seyedmohammadreza Hashemifesharaki;	
4,040	20200226618	2018-08-23	PLATFORM, METHOD AND DEVICE FOR TRACING AN OBJECT	Wei ZHANG;	BEIJING JINGDONG SHANGKE INFORMATION TECHNOLOGY CO., LTD.; BEIJING JINGDONG CENTURY TRADING CO., LTD.;

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#	Pub. No	Filed	Title	Inventors	Assignees
4,041	20190340269	2018-08-23	BLOCKCHAIN-ENABLED INDUSTRIAL DEVICES	Tim Biernat; Juergen Weinhofer; Sharath Chander Reddy Baddam; Douglas Reichard; Subbian Govindaraj;	
4,042	20190012665	2018-08-22	Systems and Methods that Utilize Blockchain Digital Certificates for Data Transactions	Craig Allen; Christopher Hale; Catherine Nomura;	
4,043	20190005595	2018-08-21	System and Method of Peer-to-Peer Electronic Exchange of Intellectual Property	Kyle Tautenhan; De'Ontarius Summers;	
4,044	20190058582	2018-08-17	ACCESSING BLOCKCHAIN DATA FROM APPLICATIONS	Prasoon Pathak; Suvrata Acharya;	
4,045	20210312472	2018-08-17	METHOD AND SYSTEM FOR PREDICTION OF SMART CONTRACT VIOLATION USING DYNAMIC STATE SPACE CREATION	Sandhya BASKARAN; Swarup MOHALIK; Anshu SHUKLA;	Telefonaktiebolaget LM Ericsson (publ);
4,046	20200057980	2018-08-17	SYSTEM AND METHOD FOR ASSET TRACKING AND MANAGEMENT	Aaron Perkowitz; Angot Pierre;	
4,047	20200202334	2018-08-14	INDIRECT TRANSACTION PROCESSES ON THE BASIS OF A BLOCKCHAIN ARCHITECTURE	Alexander GRAF; Michael ROTTER; Susanne FLUG; Johannes PECHER;	ZF Friedrichshafen AG;
4,048	20190362068	2018-08-14	Blockchain Oracle	Haozhou WANG;	
4,049	20200058381	2018-08-14	System and Method for Auditing, Monitoring, Recording, and Executing Healthcare Transactions, Communications, and Decisions	Miteshkumar Patel;	
4,050	20210192498	2018-08-13	RANDOM NUMBER GENERATION IN A BLOCKCHAIN	Ying CHAN; Dean KRAMER;	
4,051	20200219097	2018-08-13	RANDOM NUMBER GENERATION IN A BLOCKCHAIN	Ying CHAN; Dean KRAMER;	
4,052	20200235936	2018-08-13	A METHOD RELATING TO A MOTOR VEHICLE DRIVER ASSISTANCE SYSTEM	JOCHEN SCHNABEL; OLAF SCHWARTZ; JONAS VILLASMIL;	VEONEER SWEDEN AB;
4,053	20200051165	2018-08-12	Method and Platform for Community Commercial Transactions	Yen-Hung Lai;	
4,054	20190095879	2018-08-10	BLOCKCHAIN PAYMENT CHANNELS WITH TRUSTED EXECUTION ENVIRONMENTS	Ittay Eyal; Emin Sirer; Peter Pietzuch; Joshua Lind;	
4,055	20200051010	2018-08-10	MODIFYING TRADING PLANS DURING TRANSIT OF A CONVEYANCE	Gopal Bhageria; Sarbajit Rakshit; Siddarth Saraya;	
4,056	20220311619	2018-08-09	VERIFICATION OF INTERACTIONS SYSTEM AND METHOD	Mahdi Zamani; Lucianna Kiffer; Loi Luu; Karl Bunz;	
4,057	20200160354	2018-08-06	Article Attestation System Using Blockchain	James Howard; Siddhant Vashist; Carlo Supina; Karl Battle; Jonathan Diaz-Lopez; James Snyder; James LC. Werness, Jr; Tien Yi TH. Whiting;	
4,058	20200042615	2018-08-06	Talmud and the blockchain	Wesley Boudville;	
4,059	20180343266	2018-08-06	MOBILE COMMUNICATION DEVICE MONITORING SYSTEMS AND METHODS	Robert Lotter; Timothy Allard;	
4,060	20180343305	2018-08-06	MOBILE COMMUNICATION DEVICE MONITORING SYSTEMS AND METHODS	Robert Lotter; Timothy Allard;	

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#	Pub. No	Filed	Title	Inventors	Assignees
4,061	20180343306	2018-08-06	MOBILE COMMUNICATION DEVICE MONITORING SYSTEMS AND METHODS	Robert Lotter; Timothy Allard;	
4,062	20180343339	2018-08-06	MOBILE COMMUNICATION DEVICE MONITORING SYSTEMS AND METHODS	Robert Lotter; Timothy Allard;	
4,063	20200043115	2018-08-02	PERMISSIONED BLOCKCHAIN ECOSYSTEM FOR ECONOMIC DEVELOPMENT INCENTIVES	Scott NELSON; Karthik RAMASWAMY;	
4,064	20190043024	2018-08-02	Method and System for Securing a Blockchain with Proof-of-Transactions	David Lancashire;	
4,065	20190044725	2018-08-02	Method and System for Securing a Blockchain with Proof-of-Transactions	David Lancashire;	
4,066	20210200724	2018-08-02	METHOD AND CONTROL SYSTEM FOR CONTROLLING AND/OR MONITORING DEVICES	Thomas Jetzfellner;	
4,067	20190038791	2018-08-02	Medical Device Inspection and Sterilization	Lawrence Gerrans; Kaan Erol; Oscar Pantoja;	
4,068	20200042925	2018-07-31	METHODS AND SYSTEMS FOR MEASURING AND IMPROVING REAL-TIME USER SATISFACTION IN HOSPITALITY INDUSTRY	Rohit Ramani; Madhusudhan Reddy;	DIGIVERV INC;
4,069	20200042971	2018-07-31	SYSTEM AND METHOD FOR TRANSACTION ACCOUNT BASED MICRO-PAYMENTS	Alaric Eby; Andras Ferenczi; Harish Naik; Vishnuvajhala Subrahmanyam;	American Express Travel Related Services Co., Inc.;
4,070	20190034923	2018-07-31	SECURE AND CONFIDENTIAL CUSTODIAL TRANSACTION SYSTEM, METHOD AND DEVICE USING ZERO-KNOWLEDGE PROTOCOL	Maurizio Greco; Ryan Orr; Maksym Petkus; Jon Garvin; Susanne Somerville;	
4,071	20200037158	2018-07-30	SYSTEMS AND METHODS FOR USING SMART CONTRACT AND LIGHT AND SOUND EMITTING ASSETS PROVISIONED WITH DISTRIBUTED LEDGER ADDRESSES TO IDENTIFY AND LOCATE ASSETS	ABILASH SOUNDARARAJAN; MICHAEL TENNEFOSS;	
4,072	20200036514	2018-07-27	DATA RECORDING AND RETRIEVAL USING AN OPERATIONAL TOKEN	David Christensen; Jamie Zimmerman;	
4,073	20200051071	2018-07-25	Electronic transaction system and method using a blockchain to store transaction records	Ching WU; Chun-Wei YU;	
4,074	20200034457	2018-07-24	SYSTEM AND METHODS FOR ORGANIZING AND INTER-RELATING HIERARCHICAL DATA FILES USING A DISTRIBUTED DATABASE	Paul BRODY; Duncan WESTLAND; Chaitanya KONDA;	Ernst & Young U.S.LLP; Ernst & Young Services (UK) Limited;
4,075	20190050855	2018-07-24	BLOCKCHAIN-BASED SYSTEMS, METHODS, AND APPARATUS FOR SECURING ACCESS TO INFORMATION STORES	William Martino; Stuart Popejoy;	
4,076	20200026834	2018-07-23	BLOCKCHAIN IDENTITY SAFE AND AUTHENTICATION SYSTEM	Hemen Vimadalal; Rohan Pinto;	
4,077	20200027084	2018-07-23	Method and System for Hybrid Payment Authorization	Peter Groarke; Ahmed Hosny;	MASTERCARD INTERNATIONAL INCORPORATED;
4,078	20200027169	2018-07-21	BLOCKCHAIN-ENABLED DOUBLE ENTRY RECORDKEEPING SYSTEM AND METHOD OF IMPLEMENTING THE SAME	RENATO VALENCIA;	
4,079	20190027237	2018-07-20	BLOCKCHAIN NETWORK FOR SECURE EXCHANGE OF HEALTHCARE INFORMATION	Chrissa McFarlane;	
4,080	20210019849	2018-07-19	Method for External Data-Based Constructing Various Triggering Mechanisms to Execute Smart Contract in Blockchain Network and System Thereof	Dejun Qian; Guochang Xu; Bin Jiang; Jiangang Wu; Zhaojun He; Xi Luo;	SHANGHAI FENFU INFORMATION TECHNOLOGY CO., LTD.;

PATENT APPLICATION PUBLICATIONS

#	Pub. No	Filed	Title	Inventors	Assignees
4,081	20200027183	2018-07-19	NETWORK COMPUTER SYSTEM TO DETERMINE SUITABILITIES OF VEHICLES USING BLOCKCHAIN RECORDS	Euan Guttridge;	
4,082	20200027080	2018-07-18	SCALABLE RECONCILIATION OF CRYPTO ASSETS IN A BLOCKCHAIN NETWORK	Daniel Holland; Ksenia Kiseleva; Vahagn Grigoryan;	
4,083	20230334036	2018-07-16	COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR MANAGING A LARGE DISTRIBUTED MEMORY POOL IN A BLOCKCHAIN NETWORK	Alexandra COVACI; Giuseppe DESTEFANIS; Simone MADEO; Patrick MOTYLINSKI; Stephane VINCENT;	
4,084	20200213125	2018-07-16	COMPUTER-IMPLEMENTED SYSTEM AND METHOD ENABLING SECURE STORAGE OF A LARGE BLOCKCHAIN OVER A PLURALITY OF STORAGE NODES	Giuseppe DESTEFANIS; Simone MADEO; Patrick MOTYLINSKI; Stephane VINCENT;	
4,085	20200020424	2018-07-16	BLOCKCHAIN ELECTRONIC MEDICAL RECORD SYSTEM	Che-Min Lin;	
4,086	20200021570	2018-07-16	BLOCKCHAIN DENTAL IMPLANT SYSTEM	Che-Min Lin;	
4,087	20210288813	2018-07-13	VERIFICATION OF LAWFUL INTERCEPTION DATA	Amedeo IMBIMBO; Laura PAPPACENA; Pompeo SANTORO;	
4,088	20200242604	2018-07-09	TRANSACTION SELECTION DEVICE FOR SELECTING BLOCKCHAIN TRANSACTIONS	Rainer Falk;	
4,089	20210103873	2018-07-09	BLOCKCHAIN-BASED SLEEVE GROUTING QUALITY TRACING METHOD AND SYSTEM, AND COLLECTION TERMINAL	TAO ZENG; HAISHAN GUO; KANG LIU; YUZHONG CAO; HU QI; LIMING LI;	
4,090	20180315046	2018-07-07	APPARATUS AND METHOD FOR PROVIDING TRANSACTION SECURITY AND/OR ACCOUNT SECURITY	RAYMOND JOAO;	
4,091	20210279736	2018-07-06	BLOCKCHAIN SECURE TRANSACTION METHOD AND DEVICE BASED ON BIOMARKER AUTHENTICATION	Weitao Sun;	
4,092	20200119926	2018-07-06	METHODS AND SYSTEMS FOR PROCESSING HIGH VOLUME, FAST SETTLEMENT BLOCKCHAIN TRANSACTIONS	Pablo BUKI;	
4,093	20200013025	2018-07-06	CONDITIONAL DEFERRED TRANSACTIONS FOR BLOCKCHAIN	Mudit Verma; Seep Goel; Abhishek Singh; Praveen Jayachandran;	
4,094	20200013050	2018-07-06	BLOCKCHAIN BASED PAYMENTS FOR DIGITAL CERTIFICATE PROVISIONING OF INTERNET OF THINGS DEVICES	Keir Finlow-Bates; Jonathan Callan;	
4,095	20190012595	2018-07-06	NEURAL NETWORK CONSENSUS USING BLOCKCHAIN	Nurettin Beser; Saran Saund; Paul Lambert;	
4,096	20210295615	2018-07-03	ELECTRIC VEHICLE ENERGY BALANCE CREDITING AND DEBITING SYSTEM AND A METHOD THEREOF	Gorazd Gotovac; Ziga Povalej;	Elaphe Pogonske Tehnologije D. o.o.;
4,097	20190007198	2018-07-02	TRANSFER OF CONTENT IN A PEER-TO-PEER NETWORK	Christoph NEUMANN; Jaideep CHANDRASHEKAR; Erwan LE MERRER;	
4,098	20200005207	2018-06-29	BLOCKCHAIN TRACKING OF ORGANIZATIONAL TIME FOR COST ANALYSIS AND SCHEDULING	Charles Yin-Che Lee; Ben Cheung; Pamela Bhattacharya; Juliana Pena Ocampo; Chala Fufa; Mayerber Loureiro De Carvalho Neto; Warren Johnson, III;	
4,099	20190251576	2018-06-29	TRACKING AND VERIFYING AUTHENTICITY OF AN ASSET VIA A DISTRIBUTED LEDGER	Tarek Saab; Bruce Kleinman; Joshua Baker; Philipp Fuhrmann;	
4,100	20180349845	2018-06-27	BLOCKCHAIN SYSTEM AND METHOD FOR CALCULATING LOCATION OF TIME-CRUCIAL SHIPMENTS ACCORDING TO EXPECTATION AND SMART CONTRACTS	Elliot Klein;	

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#	Pub. No	Filed	Title	Inventors	Assignees
4,101	20210264051	2018-06-26	BLOCKCHAIN SYSTEM, BLOCKCHAIN MANAGEMENT APPARATUS, NETWORK CONTROL APPARATUS, METHOD AND PROGRAM	Toshio KOIDE;	NEC Corporation;
4,102	20180302417	2018-06-26	Website Integrity and Date Verification with a Blockchain	Kelce Wilson;	
4,103	20190392178	2018-06-26	Method and System for Monitoring a Smart Contract on a Distributed Ledger	dan rice;	Bootstrap Legal Inc.;
4,104	20190392438	2018-06-26	Method and System for Modifying a Smart Contract on a Distributed Ledger	Dan Rice;	Bootstrap Legal Inc.;
4,105	20190392536	2018-06-26	Method and System for Creating and Managing a Smart Contract on a Distributed Ledger	Dan Rice;	Bootstrap Legal Inc.;
4,106	20190019208	2018-06-26	CONSUMER DATA AND PRIVACY CONTROLS IN A SOCIAL NETWORKING ENVIRONMENT	Richard Postrel;	
4,107	20210256016	2018-06-25	BLOCKCHAIN SYSTEM AND METHOD	Vincent Gramoli; Tyler Crain; Christopher Natoli; Guillaume Vizier;	
4,108	20190394046	2018-06-22	SECURE FIRMWARE UPDATES FOR REMOTE VEHICLES	Ao-Jan Su;	
4,109	20190392118	2018-06-20	Blockchain Version Control	Guy Elden; Mitchel Maio; James Ford;	
4,110	20210160077	2018-06-19	METHODS AND SYSTEMS FOR A CONSISTENT DISTRIBUTED MEMORY POOL IN A BLOCKCHAIN NETWORK	Giuseppe DESTEFANIS; Simone MADEO; Patrick MOTYLINSKI; Stephane VINCENT;	
4,111	20190385215	2018-06-19	BUYER-CENTRIC MARKETPLACE USING BLOCKCHAIN	Andras Ferenczi; Dallas Gale; Nilesh Jadhav; Harish Naik;	American Express Travel Related Services Company, Inc.;
4,112	20190386968	2018-06-18	METHOD TO SECURELY BROKER TRUSTED DISTRIBUTED TASK CONTRACTS	Brandon GOOD; Willard WISEMAN; Benjamin BECKMANN; Li ZHANG;	
4,113	20180300694	2018-06-16	Method for intelligently selecting accounting node of blockchain	Kai Duan; Jianwu Chen;	Beijing Good Fortune Innovative Intelligence Technology Co.Ltd;
4,114	20180375847	2018-06-15	STORED VALUE USER IDENTIFICATION SYSTEM USING BLOCKCHAIN OR MATH-BASED FUNCTION	DAVID SCHROPFER;	
4,115	20180293312	2018-06-15	Computerized Method and System for Organizing Video Files	Tony Tateossian;	
4,116	20210243201	2018-06-14	BLOCKCHAIN-BASED VERIFICATION FRAMEWORK	Sebastien Tandel; Gustavo Brand; Juliano Vacaro; Dorian Langbeck;	
4,117	20190251523	2018-06-14	SYSTEMS AND METHODS OF CONVERTING ELECTRONIC TRANSMISSIONS INTO DIGITAL CURRENCY	Danny Rittman; Aliza Schnapp;	
4,118	20190385136	2018-06-13	System and Method for Generating Permanent Data Records and Assets for Digital Items in a Networked Video Game System	Maxim Blagov; Witold Radomski;	Enjin PTE LTD;
4,119	20200366463	2018-06-11	Apparatuses for Providing a Set of Cryptographically Protected, Filtered, and Sorted Transaction Data Records of a Link of a Blockchain	Rainer Falk;	Siemens Aktiengesellschaft;
4,120	20200211003	2018-06-11	SYSTEMS AND METHODS FOR AVOIDING OR REDUCING CRYPTOGRAPHICALLY STRANDED RESOURCES ON A BLOCKCHAIN NETWORK	John FLETCHER;	

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#	Pub. No	Filed	Title	Inventors	Assignees
4,121	20210083856	2018-06-11	IMPROVED HARDWARE SECURITY MODULE MANAGEMENT	Joshua DANIEL;	British Telecommunications Public Limited Company;
4,122	20190378134	2018-06-08	ANNOTATIONS FOR PROTOCOL FLOW IMPLEMENTING TRANSACTIONS OF A DISTRIBUTED LEDGER SYSTEM	Qurratul Ain Shams Asari;	
4,123	20200151340	2018-06-07	MONITORING A BLOCKCHAIN	Rainer Falk;	
4,124	20190333031	2018-06-07	SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR VALIDATING BLOCKCHAIN OR DISTRIBUTED LEDGER TRANSACTIONS IN A SERVICE REQUIRING PAYMENT	David Kravitz;	
4,125	20210081546	2018-06-07	SYSTEM AND METHOD FOR THE CRYPTOGRAPHICALLY PROTECTED MONITORING OF AT LEAST ONE COMPONENT OF A DEVICE OR AN APPARATUS	Rainer Falk;	
4,126	20200167773	2018-06-06	Linked Multiple Blockchain System	Karen Cervenka; Kim Wagner;	
4,127	20190378139	2018-06-06	TRACKING AND RECOVERING TRANSACTIONS PERFORMED ACROSS MULTIPLE APPLICATIONS	Sanjaykumar Stribady; Saket Sharma; Gursel Taskale;	
4,128	20210083852	2018-06-05	COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR MANAGING LARGE BLOCKS OVER A BLOCKCHAIN NETWORK	Giuseppe DESTEFANIS; Simone MADEO; Patrick MOTYLINSKI; Stephane VINCENT;	
4,129	20180337847	2018-06-05	INDEXING A MULTI-LAYER BLOCKCHAIN SYSTEM	Hui Li; Haopeng Li; Huajun Ma; Han Wang; Peng Yi; Kedan Li; Xin Yang;	PEKING UNIVERSITY SHENZHEN GRADUATE SCHOOL;
4,130	20200202312	2018-06-04	METHOD AND SYSTEM FOR SELECTIVELY USING NETWORK CODING FOR PROPAGATING TRANSACTIONS IN A BLOCKCHAIN NETWORK	Giuseppe DESTEFANIS; Simone MADEO; Patrick MOTYLINSKI; Stephane VINCENT;	
4,131	20200186335	2018-06-04	CREDENTIAL GENERATION AND DISTRIBUTION METHOD AND SYSTEM FOR A BLOCKCHAIN NETWORK	Giuseppe DESTEFANIS; Simone MADEO; Patrick MOTYLINSKI; Stephane VINCENT;	
4,132	20200119907	2018-06-04	BLOCKCHAIN DATABASE FOR ADDITIVE MANUFACTURING	Andreas Graichen;	Siemens Aktiengesellschaft;
4,133	20190172023	2018-06-02	Blockchain Probation	Ross Brandborg;	
4,134	20190370634	2018-06-01	DATA PLATFORM TO PROTECT SECURITY OF DATA USED BY MACHINE LEARNING MODELS SUPPORTED BY BLOCKCHAIN	Marcio Ferreira Moreno; Lucas Correia Villa Real; Renato Fontoura de Gusmao Cerqueira;	
4,135	20210160056	2018-06-01	METHOD AND APPARATUS FOR DECENTRALIZED TRUST EVALUATION IN A DISTRIBUTED NETWORK	Zheng Yan;	
4,136	20210082045	2018-05-30	SMART CONTRACT FOR COPY TRADING	Johnathan ASSIA; Paz DIAMANT;	
4,137	20210042756	2018-05-30	Blockchain-based Security Management Method, Related Device and Storage Medium	Dengchao Zhang;	
4,138	20190370504	2018-05-30	DIGITAL VALUE TOKENS CREATED AND SECURELY TRANSFERRED BY PROOF OF ELECTRICAL POWER GENERATION	Leo Edwardsson;	
4,139	20190372755	2018-05-29	SYSTEM AND METHOD FOR RECORDING CHANGING STANDARDS USING BLOCKCHAIN	Patrick Tadie;	Wilmington Trust, N.A.;
4,140	20190363896	2018-05-26	BLOCKCHAIN BASED DECENTRALIZED AND DISTRIBUTED CERTIFICATE AUTHORITY	Keir Finlow-Bates;	

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#	Pub. No	Filed	Title	Inventors	Assignees
4,141	20190361917	2018-05-25	SMART DEVICE	Bao Tran; Ha Tran;	
4,142	20200151165	2018-05-23	SCRIPT BASED BLOCKCHAIN INTERACTION	Ying CHAN; Dean KRAMER;	
4,143	20200151713	2018-05-23	SCRIPT-BASED BLOCKCHAIN INTERACTION	Ying CHAN; Dean KRAMER;	
4,144	20200151714	2018-05-23	SCRIPT BASED BLOCKCHAIN INTERACTION	Ying CHAN; Dean KRAMER;	
4,145	20200145373	2018-05-22	SYSTEM FOR BLOCKCHAIN BASED DOMAIN NAME AND IP NUMBER REGISTER	Ric RICHARDSON;	HAVENTEC PTY LTD;
4,146	20190354606	2018-05-18	Private Cryptocoinage in Blockchain Environments	Paul Snow;	
4,147	20190354607	2018-05-18	Personal Blockchain Services	Paul Snow;	Factom;
4,148	20180336202	2018-05-18	SYSTEM AND METHOD TO REPRESENT DOCUMENTS FOR SEARCH IN A GRAPH	Kazem Jahanbakhsh;	0934781 B.C. Ltd;
4,149	20190353709	2018-05-15	TRUSTED BATTERY METER AND BATTERY MONITORING SYSTEM	Dirk Kaisers;	
4,150	20190347651	2018-05-12	COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR TRANSFERRING MONEY FROM A SENDER TO A RECIPIENT	Mauricio Moreno;	
4,151	20220172284	2018-05-09	Identifying Multiple Mortgage Ready Properties	Benjamin Tarmann; Richard Rhodes; Lokesh Awasthy; Denise DeRoeck; Jaime Skaggs; Jacob Alt; Shanna Phillips; Shyam Tummala; Matthew Meierotto; Richard Groonwald; Brian Hughes;	
4,152	20210272145	2018-05-09	Incentivizing an Agent Based Upon Mortgage Ready Data Updated	Benjamin Tarmann; Richard Rhodes; Lokesh Awasthy; Denise DeRoeck; Jaime Skaggs; Jacob Alt; Shanna Phillips; Shyam Tummala; Matthew Meierotto; Richard Groonwald; Brian Hughes;	
4,153	20190147555	2018-05-09	Block Chain Technology Products Circulation Patent Innovation to Promote Methods	Yapeng LU;	
4,154	20200184465	2018-05-08	A SYSTEM FOR VIRTUAL CURRENCY BASED ON BLOCKCHAIN ARCHITECTURE AND PHYSICAL MARKING	Tzemah Kislev; Nadav Yoran; Haggai Alon; Mor Kaplinsky; Avital Trachtman; Avraham Barhon; Ami Shafran; Guy Amir;	
4,155	20190050810	2018-05-08	TERMINAL AUTOMATION SOLUTIONS SUPPORTING BLOCKCHAIN TECHNOLOGY	Narendra K V. Nagalla; Soundari Arunachalam; Nagaraja Sundaresh; Sumanth Lingesh; Nagabhushan Rahut;	
4,156	20210166221	2018-05-08	DEVICE AND METHOD FOR PROVIDING TRANSACTION SERVICE OF CRYPTOCURRENCY BY MEANS OF ELECTRONIC WALLET	Ki NOH;	
4,157	20200294040	2018-05-07	SYSTEM AND METHOD FOR PAYMENT TRANSACTION AUTHENTICATION BASED ON A CRYPTOGRAPHIC CHALLENGE	Prakash Sundaresan; Lionello Lunesu; Antoine Cote;	Trusted Key Solutions Inc.;
4,158	20190034925	2018-05-07	SYSTEM AND METHOD FOR PAYMENT TRANSACTION AUTHENTICATION BASED ON A CRYPTOGRAPHIC CHALLENGE	Prakash Sundaresan;	Trusted Key Solutions Inc.;
4,159	20180253452	2018-05-07	SYSTEM AND METHOD FOR ENFORCING THE STRUCTURE AND CONTENT OF DATABASES SYNCHRONIZED OVER A DISTRIBUTED LEDGER	Jonathan Callan; Keir Finlow-Bates;	
4,160	20190052453	2018-05-04	APPARATUS AND METHOD FOR USING BLOCKCHAINS WITH SECURE CUSTODY TRANSFER DATA, SEALING DATA, AND OTHER DATA ASSOCIATED WITH MATERIAL TRANSFERS	Ruud de Ligt;	

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#	Pub. No	Filed	Title	Inventors	Assignees
4,161	20190340352	2018-05-03	METHOD FOR PRODUCING DYNAMIC PASSWORD IDENTIFICATION FOR USERS SUCH AS MACHINES	Ivan Peeters; Kris Rottiers;	
4,162	20190340685	2018-05-03	BLOCKCHAIN-BASED ASSET AND IMMUTABLE REAL-TIME INTELLIGENT SECURITIES PLATFORM	Chris Wade; Manish Dutta;	
4,163	20180315072	2018-05-01	METHOD AND SYSTEM OF FACILITATING MANAGEMENT OF CRYPTOCURRENCY BASED LOYALTY POINTS ASSOCIATED WITH ONE OR MORE OF A PRODUCT AND A SERVICE	Greg Rubin;	
4,164	20190066206	2018-04-30	PEER-TO-PEER TRADING WITH BLOCKCHAIN TECHNOLOGY	Howard Marks;	
4,165	20190332691	2018-04-30	UNIVERSAL SUBSCRIPTION AND CRYPTOCURRENCY PAYMENT MANAGEMENT PLATFORMS AND METHODS OF USE	Robert Beadles; Sneh Bhatt;	
4,166	20190333030	2018-04-30	BLOCKCHAIN-BASED DIGITAL TOKEN UTILIZATION	Suki Ramasamy; Sasidhar Purushothaman;	
4,167	20190333033	2018-04-29	SYSTEM AND METHOD FOR CREATING, STORING AND TRANSFERRING UNFORGEABLE DIGITAL ASSETS IN A DATABASE	Keir Finlow-Bates;	
4,168	20190333142	2018-04-27	SYSTEMS AND METHODS FOR PROCESSING APPLICANT INFORMATION AND ADMINISTERING A MORTGAGE VIA BLOCKCHAIN-BASED SMART CONTRACTS	Sarah THOMAS;	
4,169	20190333029	2018-04-26	SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR VALIDATING BLOCKCHAIN OR DISTRIBUTED LEDGER TRANSACTIONS IN A SERVICE REQUIRING PAYMENT	David Kravitz;	
4,170	20200366495	2018-04-25	PROOF OF MAJORITY BLOCK CONSENSUS METHOD FOR GENERATING AND UPLOADING A BLOCK TO A BLOCKCHAIN	Jeffrey MAHONEY;	
4,171	20210042295	2018-04-25	BLOCKCHAIN-BASED DATA MANAGEMENT METHOD AND RELATED SYSTEM	Kaining Wang;	
4,172	20200193432	2018-04-24	METHOD AND SYSTEM FOR SETTLING A BLOCKCHAIN TRANSACTION	Scott MILLAR; Albert JANSSON; Farhod FATHPOUR PAKZAD;	
4,173	20180343120	2018-04-24	SYSTEMS AND METHODS FOR PROVIDING A UNIVERSAL DECENTRALIZED SOLUTION FOR VERIFICATION OF USERS WITH CROSS-VERIFICATION FEATURES	Marcus Andrade;	
4,174	20190325038	2018-04-21	CONSENSUS BASED EDITABLE BLOCKCHAIN	Keir Finlow-Bates;	
4,175	20190080402	2018-04-20	SYSTEM AND METHOD FOR PROVIDING A REGULATORY-COMPLIANT TOKEN	Vincent Molinari; Christopher Pallotta;	
4,176	20190325522	2018-04-18	BLOCKCHAIN DRIVEN UNIFIED MULTI-PARTY SYSTEM AND METHOD FOR MONITORED TRANSACTIONS OF URBAN ASSETS	Krupa Bathia; Aditya Hegde; Krishnaprasad Narayanan; Ashwini Marathe; Tridib Mukherjee;	
4,177	20210342946	2018-04-18	Using a Distributed Ledger for Line Item Determination	William Leise; Douglas Graff; Anthony McCoy; Jaime Skaggs; Shawn Call; Stacie McCullough; Wendy Clayton; Melinda Magerkurth; Kim Flesher; Travis Runge;	
4,178	20210326992	2018-04-18	Using a Distributed Ledger for Subrogation Recommendations	William Leise; Douglas Graff; Anthony McCoy; Jaime Skaggs; Shawn Call; Stacie McCullough; Wendy Clayton; Melinda Magerkurth; Kim Flesher; Travis Runge;	
4,179	20190318359	2018-04-17	METHOD AND SYSTEM FOR FRAUD PREVENTION VIA BLOCKCHAIN	Ankur ARORA;	MASTERCARD INTERNATIONAL INCORPORATED;
4,180	20190320037	2018-04-17	CONTENT LINKING AND AGGREGATION	Rahul Nair;	

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#	Pub. No	Filed	Title	Inventors	Assignees
4,181	20180232828	2018-04-16	APPARATUS AND METHOD FOR PROVIDING AND/OR FOR PROCESSING INFORMATION FOR, REGARDING, AND/OR FOR FACILITATING, THE COMMERCIALIZATION, DEVELOPMENT, MARKETING, SALE, TRANSFER, LICENSING, AND/OR MONETIZATION, OF INTELLECTUAL PROPERTY	RAYMOND JOAO;	
4,182	20190318329	2018-04-12	INTERNET-OF-THINGS ENABLED REAL-TIME EVENT PROCESSING	Joseph Castinado; Charles Kendall;	
4,183	20210083871	2018-04-11	METHOD AND DEVICE FOR IMPLEMENTATION OF SAFE TRANSACTIONS IN BLOCKCHAIN INFRASTRUCTURE	Aleksey Smirnov;	Other;
4,184	20190318814	2018-04-11	Health Care System using Blockchain	Toby Unwin;	
4,185	20210118532	2018-04-10	METHOD AND SYSTEM FOR PROVIDING BLOCKCHAIN-BASED MEDICAL INFORMATION PLATFORM, AND NON-TRANSITORY COMPUTER-READABLE RECORDING MEDIUM	Woo KHO; Eun LEE;	MediBloc Co., Ltd.;
4,186	20180225693	2018-04-10	CONSUMER DATA AND PRIVACY CONTROLS IN A SOCIAL NETWORKING ENVIRONMENT	Richard Postrel;	
4,187	20180293670	2018-04-09	ARCHITECTURE OF SOCIAL NETWORKING QUESTION AND ANSWER PLATFORM BASED ON BLOCKCHAIN	Yi Yin;	
4,188	20190311359	2018-04-06	Method for Tokenization of Financial Contracts on Decentralized Computing Networks	Nicholas Fett;	
4,189	20200089895	2018-04-04	PROOF OF TICKET CONSENSUS PROCESSING ON A CONFIDENTIAL BLOCKCHAIN NETWORK	Jonathan GOLLOGLY;	
4,190	20180294956	2018-04-04	Systems and Methods for Data Backup and Authentication Using Blockchain	John O'Brien; Brian McHale; Robert Cantrell; Donald High; Bruce Wilkinson; Todd Mattingly;	
4,191	20180240085	2018-04-04	Two-level Blockchain-based identity and transaction framework for loyalty system	Dmitry Balachov; Denis Slabinskiy;	
4,192	20190303920	2018-04-02	TRANSACTION PROCESS USING BLOCKCHAIN TOKEN SMART CONTRACTS	Balaji Balaraman; Andras Ferenczi; Dallas Gale; Nilesh Jadhav; Harish Naik;	American Express Travel Related Services Company, Inc.;
4,193	20180285996	2018-04-02	METHODS AND SYSTEM FOR MANAGING INTELLECTUAL PROPERTY USING A BLOCKCHAIN	Moses Ma;	FutureLab Consulting Inc.;
4,194	20180248981	2018-04-02	ENHANCED PERSONAL CARE SYSTEM EMPLOYING BLOCKCHAIN FUNCTIONALITY	Ayman Salem;	
4,195	20190303541	2018-04-02	AUDITING SMART CONTRACTS CONFIGURED TO MANAGE AND DOCUMENT SOFTWARE AUDITS	Ashok Reddy; Sreenivasan Rajagopal; Petr Vlasek;	
4,196	20190303623	2018-04-02	PROMOTION SMART CONTRACTS FOR SOFTWARE DEVELOPMENT PROCESSES	Ashok Reddy; Sreenivasan Rajagopal; Petr Vlasek;	
4,197	20190303942	2018-04-02	FRAUD MANAGEMENT USING A DISTRIBUTED DATABASE	Balaji Balaraman; Rana Dasgupta; Andras Ferenczi; Vishnu Garg; Chad Gonzales; Farid Hatefi; Abhishek Jha; Upendra Mardikar; Sulubh Monga; Harish Naik; Timothy Rollins;	American Express Travel Related Services Company, Inc.;
4,198	20190305957	2018-04-02	EXECUTION SMART CONTRACTS CONFIGURED TO ESTABLISH TRUSTWORTHINESS OF CODE BEFORE EXECUTION	Ashok Reddy; Sreenivasan Rajagopal; Petr Vlasek;	
4,199	20190305959	2018-04-02	ANNOUNCEMENT SMART CONTRACTS TO ANNOUNCE SOFTWARE RELEASE	Ashok Reddy; Sreenivasan Rajagopal; Petr Vlasek;	
4,200	20190306173	2018-04-02	ALERT SMART CONTRACTS CONFIGURED TO MANAGE AND RESPOND TO ALERTS RELATED TO CODE	Ashok Reddy; Sreenivasan Rajagopal; Petr Vlasek;	

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#	Pub. No	Filed	Title	Inventors	Assignees
4,201	20180293557	2018-03-30	METHOD OF CHARGING ELECTRONIC CURRENCY AUTOMATICALLY BASED ON BLOCKCHAIN AND SYSTEM THEREOF	Hyung KIM; Ji RHIE; Heung CHAE; Yeong SEO;	SAMSUNG SDS CO., LTD.;
4,202	20190305932	2018-03-30	DISTRIBUTED KEY MANAGEMENT AND ENCRYPTION FOR BLOCKCHAINS	Patrick Townsend;	
4,203	20180270138	2018-03-30	GATEWAY AND METHOD FOR GATEWAY PERFORMANCE MONITORING	Erwan LE MERRER; Jaideep CHANDRASHEKAR; Christoph NEUMANN;	
4,204	20210021424	2018-03-29	TECHNIQUE FOR COMPUTING A BLOCK IN A BLOCKCHAIN NETWORK	Oscar PUNAL; Mohammad JAFARI;	Telefonaktieboiaget LM Ericsson (publ);
4,205	20200117585	2018-03-29	METHOD AND APPARATUS FOR COMPUTER-AIDED TESTING OF A BLOCKCHAIN	RAINER FALK;	
4,206	20180285810	2018-03-29	SYSTEMS AND METHODS OF BLOCKCHAIN TRANSACTION RECORDATION IN A FOOD SUPPLY CHAIN	Raja Ramachandran; Philip Harris; Christian Saucier; Nathan Jin; Francis Gouillart;	Ripe Technology, Inc.;
4,207	20200057865	2018-03-29	MANAGEMENT OF CO-OWNERSHIP DATABASE SYSTEM	Ying YAN; Thomas MOSCIBRODA; Yang CHEN; Qi LIU;	MICROSOFT TECHNOLOGY LICENSING, LLC;
4,208	20180284093	2018-03-29	Trusted Food Traceability System and Method and Sensor Network	Kevin Brown; Eugenio Minvielle;	
4,209	20210026844	2018-03-28	VIRTUAL BLOCKCHAIN SYSTEM, DATA MANAGEMENT METHOD, AND PROGRAM	Toshio KOIDE;	NEC Corporation;
4,210	20190303622	2018-03-28	BICAMERAL FRAMEWORK FOR FAST AND TAMPER-RESISTANT BLOCKCHAIN VALIDATION	Steven VERSTEEG; John BIRD; Deborah VETHECAN;	CA, Inc.;
4,211	20190303932	2018-03-28	METHOD AND SYSTEM FOR VERIFYING POLICY COMPLIANCE OF TRANSACTIONS IN A BLOCKCHAIN EXECUTING SMART CONTRACTS	Felix Klaedtke;	
4,212	20190303882	2018-03-28	BLOCKCHAIN-BASED PROPERTY UTILIZATION	Sasidhar Purushothaman; Suki Ramasamy;	
4,213	20190305968	2018-03-27	HUMAN-SOLVED PUZZLES AS PROOF-OF-WORK FOR BLOCKCHAIN	Steven VERSTEEG; John BIRD; Nathan HASTINGS; Xien YAO; Deborah VETHECAN;	CA, Inc.;
4,214	20210004788	2018-03-26	TRANSACTION SYSTEM AND TRANSACTION METHOD	Min KIM;	
4,215	20190172059	2018-03-26	REAL-TIME NET SETTLEMENT BY DISTRIBUTED LEDGER SYSTEM	Brandon Castagna; Bethe Warner;	
4,216	20190295202	2018-03-23	BLOCKCHAIN RECORDS ASSOCIATED WITH SEARCH WARRANT	Serge Mankovskii; Steven Greenspan; Maria Velez-Rojas; Guy Di Lella; Howard Abrams; Navid Nader-Rezvani; Mark Addleman; Otto Berkes; Paul Pronsati, JR;	
4,217	20190296907	2018-03-23	BLOCKCHAIN FOR TIME-BASED RELEASE OF INFORMATION	Steven VERSTEEG; John BIRD; Deborah VETHECAN;	CA, Inc.;
4,218	20180293576	2018-03-23	SYSTEM FOR CUSTOM CURRENCY TRANSACTION BASED ON BLOCKCHAIN AND OPERATING METHOD THEREOF	Kwang SONG; Jae KIM; Mun YANG; Dae PARK;	SAMSUNG SDS CO., LTD.;
4,219	20200065801	2018-03-22	METHOD AND DEVICE FOR DETERMINING TRANSACTION LEGITIMACY BASED ON BLOCKCHAIN	Lizhong LI;	SHANGHAI RUIQIWEI NETWORK TECHNOLOGY CO., LTD.;
4,220	20200067697	2018-03-22	METHOD FOR OPERATING A BLOCKCHAIN	Ivan Puddu; Alexandra Dmitrienko; Ghassan Karame; Srdjan Capkun;	

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#	Pub. No	Filed	Title	Inventors	Assignees
4,221	20180276626	2018-03-21	BLOCKCHAIN SYSTEMS AND METHODS	Brendan Laiben;	
4,222	20180268401	2018-03-16	SYSTEMS AND METHODS FOR HYBRID BLOCKCHAIN PLATFORM	Edison ORTIZ; Iustina-Miruna VINTILA;	
4,223	20200091725	2018-03-16	MICRO INVERTER AND CONTROLLER	Ignacio JUAREZ;	
4,224	20190287107	2018-03-15	RESOURCE EQUITY FOR BLOCKCHAIN	Nitin Gaur; Nikhil Gupta;	
4,225	20200118092	2018-03-13	Built by Blockchain: A Universal API for Nonnative Cross Chain Smart Contracts	Paul Gauvreau;	
4,226	20180276777	2018-03-13	INTELLIGENCE BASED METHOD AND PLATFORM FOR AGGREGATING, STORING AND ACCESSING FOOD SAFETY COURSES, CONTENT AND RECORDS	Tina Brillinger;	
4,227	20200394652	2018-03-08	A METHOD FOR CREATING COMMODITY ASSETS FROM UNREFINED COMMODITY RESERVES UTILIZING BLOCKCHAIN AND DISTRIBUTED LEDGER TECHNOLOGY	Chris Youb; Bruce Youb;	
4,228	20190279247	2018-03-08	CROWD-SOURCED MAPPING	Joshua Finken; Stephen O'Hara;	
4,229	20190279136	2018-03-06	METHOD AND SYSTEM FOR SELECTIVE DATA VISUALIZATION AND POSTING OF SUPPLY CHAIN INFORMATION TO A BLOCKCHAIN	ALEXANDER GERSHENSON; JAMES BARSIMANTOV;	
4,230	20210287296	2018-03-02	SYSTEMS AND METHODS FOR UTILIZING A BLOCKCHAIN FOR MAINTAINING INSURED LOSS HISTORY	William Leise; Jacob Alt; Jaime Skaggs; Eric Bellas; Shawn Call; Eric Moore; Melinda Magerkurth; Vicki King;	
4,231	20210264382	2018-03-02	SYSTEMS AND METHODS FOR UPDATING A LOSS HISTORY BLOCKCHAIN	William Leise; Jacob Alt; Jaime Skaggs; Eric Bellas; Shawn Call; Eric Moore; Melinda Magerkurth; Vicki King;	
4,232	20210264529	2018-03-02	SYSTEMS AND METHODS FOR UTILIZING A BLOCKCHAIN FOR MAINTAINING VEHICLE COLLISION LOSS HISTORY	William Leise; Jacob Alt; Jaime Skaggs; Eric Bellas; Shawn Call; Eric Moore; Melinda Magerkurth; Vicki King;	
4,233	20210264530	2018-03-02	SYSTEMS AND METHODS FOR CLAIM PROCESSING VIA BLOCKCHAIN	William Leise; Jacob Alt; Jaime Skaggs; Eric Bellas; Shawn Call; Eric Moore; Melinda Magerkurth; Vicki King;	
4,234	20210264531	2018-03-02	SYSTEMS AND METHODS FOR UPDATING AN INSURED LOSS HISTORY BLOCKCHAIN	William Leise; Jacob Alt; Jaime Skaggs; Eric Bellas; Shawn Call; Eric Moore; Melinda Magerkurth; Vicki King;	
4,235	20210264532	2018-03-02	Using a Distributed Ledger to Track a VIN Lifecycle	William Leise; Jacob Alt; Jaime Skaggs; Eric Bellas; Shawn Call; Eric Moore; Melinda Magerkurth; Vicki King;	
4,236	20210264539	2018-03-02	Using a Distributed Ledger for Tracking Vehicle Financial Events	William Leise; Jacob Alt; Jaime Skaggs; Eric Bellas; Shawn Call; Eric Moore; Melinda Magerkurth; Vicki King;	
4,237	20210133888	2018-03-02	Using a Distributed Ledger for the Auto Claims Process	William Leise; Jacob Alt; Jaime Skaggs; Eric Bellas; Shawn Call; Eric Moore; Melinda Magerkurth; Vicki King;	
4,238	20180247258	2018-02-28	OPERATING SYSTEM FOR ON-DEMAND ECONOMY	Jason Kolb; Aaron Larson; Jeremy Kolb;	
4,239	20200402026	2018-02-27	BLOCKCHAIN MANAGEMENT SYSTEM, BLOCKCHAIN MANAGEMENT APPARATUS, INFORMATION PROVIDING APPARATUS, AND BLOCKCHAIN MANAGEMENT METHOD	Ryo FURUKAWA;	NEC CORPORATION;
4,240	20200294039	2018-02-27	RETAIL BLOCKCHAIN METHOD AND APPARATUS	MICHAEL DE LUCA; HENRY KESISYAN;	

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4,241	20190258986	2018-02-22	SECURE DISTRIBUTED SUPPLY CHAIN TRANSACTIONAL MANAGEMENT SYSTEM	Kelly D X. Nguyen; Duc Pham;	IDLOGIQ INC.;
4,242	20190258991	2018-02-22	SYSTEM AND METHODS FOR QUERYING THE DISTRIBUTION PATH OF PRODUCT UNITS WITHIN A SUPPLY CHAIN	Kelly D X. Nguyen; Duc Pham;	IDLOGIQ INC.;
4,243	20220012780	2018-02-20	SYSTEMS AND METHODS FOR ESTIMATING VEHICLE VALUE VIA BLOCKCHAIN	William Leise; Douglas Graff; Stacie McCullough; Shawn Call; Eric Bellas; Jaime Skaggs; Jacob Alt; Eric Moore; Vicki King;	
4,244	20210312405	2018-02-20	SYSTEMS AND METHODS FOR RECALL COMPLIANCE VIA BLOCKCHAIN	William Leise; Douglas Graff; Stacie McCullough; Shawn Call; Eric Bellas; Jaime Skaggs; Jacob Alt; Eric Moore; Vicki King;	
4,245	20210312543	2018-02-20	SYSTEMS AND METHODS FOR ANALYZING VEHICLE FINANCING VIA BLOCKCHAIN	William Leise; Douglas Graff; Stacie McCullough; Shawn Call; Eric Bellas; Jaime Skaggs; Jacob Alt; Eric Moore; Vicki King;	
4,246	20190259007	2018-02-20	SYSTEMS AND METHODS FOR FACILITATING A TIME VARYING CRYPTOCURRENCY TRANSFER OVER A DECENTRALIZED NETWORK THROUGH SMART CONTRACTS ASSOCIATED WITH CRYPTOCURRENCY BLOCKCHAIN TECHNOLOGY	Joel LaMontagne;	
4,247	20230156455	2018-02-19	PROVISIONING A REMOTE UNIT VIA A BLOCKCHAIN NETWORK	Apostolis Salkinzis;	
4,248	20210089676	2018-02-16	METHODS AND SYSTEMS FOR SECURE DATA EXCHANGE	Bryan FORD; Linus GASSER; Eleftherios KOKORIS KOGIAS; Philipp JOVANOVIC;	
4,249	20180191503	2018-02-15	Asynchronous Crypto Asset Transfer and Social Aggregating, Fractionally Efficient Transfer Guidance, Conditional Triggered Transaction, Datastructures, Apparatuses, Methods and Systems	Vijaya Alwar; Ibrahim El-Kassem; Leon Landau; Ajay Kumar; Thomas McGuire;	
4,250	20190251199	2018-02-14	Transactions Across Blockchain Networks	Ivan Klianev;	
4,251	20190253256	2018-02-13	TRACKING AND VERIFYING AUTHENTICITY OF AN ASSET VIA A DISTRIBUTED LEDGER	Tarek Saab; Bruce Kleinman; Joshua Baker; Philipp Fuhrmann;	
4,252	20190251573	2018-02-09	SYSTEMS AND METHODS OF VERIFYING CREDENTIALS OF AIRCRAFT PERSONNEL USING A BLOCKCHAIN COMPUTER SYSTEM	Masatake TOYOTA; Laurent PEIRONE;	
4,253	20190188706	2018-02-08	TRANSFERENCE TRACKING	Brian McCurtis;	
4,254	20190236559	2018-01-31	Systems, methods, and apparatuses for implementing smart flow contracts using distributed ledger technologies in a cloud based computing environment	Prithvi Padmanabhan;	
4,255	20190236562	2018-01-31	SYSTEMS, METHODS, AND APPARATUSES FOR IMPLEMENTING DOCUMENT INTERFACE AND COLLABORATION USING QUIPCHAIN IN A CLOUD BASED COMPUTING ENVIRONMENT	Prithvi Padmanabhan;	
4,256	20190236606	2018-01-31	Systems, methods, and apparatuses for implementing a virtual chain model for distributed ledger technologies in a cloud based computing environment	Prithvi Padmanabhan; Adrian Kunzle;	
4,257	20190238316	2018-01-31	SYSTEMS, METHODS, AND APPARATUSES FOR IMPLEMENTING INTELLIGENT CONSENSUS, SMART CONSENSUS, AND WEIGHTED CONSENSUS MODELS FOR DISTRIBUTED LEDGER TECHNOLOGIES IN A CLOUD BASED COMPUTING ENVIRONMENT	Prithvi Padmanabhan;	
4,258	20180220278	2018-01-31	SYSTEM AND METHOD FOR SECURING AND VERIFYING INFORMATION FROM TRANSPORTATION MONITORS	Nir TAL; Tal MESHULAM; Eyal KAMIR; Tal BEN-PORATH; Tamir DAVID-HAY;	
4,259	20190236214	2018-01-30	SYSTEM AND METHOD FOR FACILITATING CLICKABLE LINKS SERVERS USING A DECENTRALIZED BLOCKCHAIN LEDGER	Michael Kokernak;	
4,260	20180218343	2018-01-30	SMART CONTRACT EXECUTION ON A BLOCKCHAIN	Jason Kolb; Aaron Larson;	

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4,261	20180218455	2018-01-30	SYSTEM FOR CREATING AND UTILIZING SMART POLICIES ON A BLOCKCHAIN	Jason Kolb; Aaron Larson;	
4,262	20180218176	2018-01-30	SYSTEM AND METHOD OF CREATING AN ASSET BASED AUTOMATED SECURE AGREEMENT	Erik Voorhees; Shawn Owen; Blake Cohen; Benjamin Yablon; Michael Mogren; Caleb Slade; Edward O'Brien; Raine Revere;	
4,263	20180174255	2018-01-30	SYSTEM AND METHOD FOR CREATING AND EXECUTING DATA-DRIVEN LEGAL CONTRACTS	Peter Geoffrey Lerato Hunn; Houman Shadab;	
4,264	20200274714	2018-01-29	SYSTEM FOR, METHOD OF, AND SERVER COMPUTER SYSTEM FOR IMPLEMENTING TRANSFORMATION OF AN ORIGINAL ENTITY INTO A VERIFIABLY AUTHENTICABLE ENTITY IN A HETEROGENEOUS COMMUNICATIONS NETWORK ENVIRONMENT	Roberto Jesus Arriola Suson;	
4,265	20180218454	2018-01-26	MANAGING PARTICIPATION IN A MONITORED SYSTEM USING BLOCKCHAIN TECHNOLOGY	John Simon; Donald High; Bruce Wilkinson; Todd Mattingly; Robert Cantrell; John O'Brien, V; Brian McHale; Joseph Jurich, JR;	
4,266	20180219676	2018-01-26	MANAGING SMART APPLIANCES USING BLOCKCHAIN TECHNOLOGY	Todd Mattingly; Donald High; Bruce Wilkinson; Brian McHale; Robert Cantrell; John O'Brien, V; Joseph Jurich, JR;	
4,267	20180232739	2018-01-26	SYSTEMS AND METHODS FOR BIOMETRIC TRANSACTION MANAGEMENT	Sharron BATTLE;	SELFIEPAY, INC.;
4,268	20190228461	2018-01-25	Omnichannel Commerce Platform with Integrated Mobile Shopping Platform, Online Shopping Platform, Commerce Data and Blockchain Layer	Marius Domokos; Babak Marhamat;	
4,269	20190079998	2018-01-25	BLOCKCHAIN DATA-PROCESSING ENGINE	Thomas Rush;	
4,270	20180211202	2018-01-24	METHOD, SYSTEM, APPARATUS, AND PROGRAM FOR REAL-TIME AND ONLINE FREIGHT MANAGEMENT	Eugenio YNION, JR;	
4,271	20220138741	2018-01-23	BLOCKCHAIN BASED BANKING IDENTITY AUTHENTICATION	Jacob Alt; Eric Bellas; Jaime Skaggs; Shawn Call; Melinda Magerkurth; Vicki King; Charles Roscow; Scott Shoop; Greg Hayes; Robert Jennings; Amber Nelson-Wolfe; Shyam Tummala;	
4,272	20210264000	2018-01-23	BLOCKCHAIN BASED ASSOCIATE INFORMATION AND LICENSING	Jacob Alt; Eric Bellas; Jaime Skaggs; Shawn Call; Melinda Magerkurth; Vicki King; Charles Roscow; Scott Shoop; Greg Hayes; Robert Jennings; Amber Nelson-Wolfe; Shyam Tummala;	
4,273	20210264426	2018-01-23	BLOCKCHAIN BASED ASSET ACCESS	Jacob Alt; Eric Bellas; Jaime Skaggs; Shawn Call; Melinda Magerkurth; Vicki King; Charles Roscow; Scott Shoop; Greg Hayes; Robert Jennings; Amber Nelson-Wolfe; Shyam Tummala;	
4,274	20190228351	2018-01-23	ELECTRONIC FORWARD MARKET EXCHANGE FOR TRANSPORTATION SEATS AND CAPACITY IN TRANSPORTATION SPACES AND VEHICLES	Erik Simpson; Stuart Simpson;	
4,275	20180152442	2018-01-23	BLOCKCHAIN-SUPPORTED, HASH TREE-BASED DIGITAL SIGNATURE INFRASTRUCTURE	Ahto BULDAS; Märt SAAREPERA; JEFFREY PEARCE;	Guardtime IP Holdings Limited;
4,276	20210342828	2018-01-22	SYSTEMS AND METHODS FOR ANTI-MONEY LAUNDERING COMPLIANCE VIA BLOCKCHAIN	Melinda Magerkurth; Eric Bellas; Jaime Skaggs; Shawn Call; Eric Moore; Vicki King; Burton Floyd; David Turrentine; Steven Olson; Timothy Wells; Corin Chapman; Edward Breitweiser; Robert Gomez; Shelia Smith;	
4,277	20210279722	2018-01-22	SYSTEMS AND METHODS FOR SECURELY FILING DOCUMENTS VIA BLOCKCHAIN	Melinda Magerkurth; Eric Bellas; Jaime Skaggs; Shawn Call; Eric Moore; Vicki King; Burton Floyd; David Turrentine; Steven Olson; Timothy Wells; Corin Chapman; Edward Breitweiser; Robert Gomez; Shelia Smith;	
4,278	20210279723	2018-01-22	SYSTEMS AND METHODS FOR INDUSTRY REPORTING VIA BLOCKCHAIN	Melinda Magerkurth; Eric Bellas; Jaime Skaggs; Shawn Call; Eric Moore; Vicki King; Burton Floyd; David Turrentine; Steven Olson; Timothy Wells; Corin Chapman; Edward Breitweiser; Robert Gomez; Shelia Smith;	
4,279	20210264052	2018-01-22	SYSTEMS AND METHODS FOR CONTROLLED ACCESS TO AUDIT DATA ON BLOCKCHAIN	Melinda Magerkurth; Eric Bellas; Jaime Skaggs; Shawn Call; Eric Moore; Vicki King; Burton Floyd; David Turrentine; Steven Olson; Timothy Wells; Corin Chapman; Edward Breitweiser; Robert Gomez; Shelia Smith;	
4,280	20190347655	2018-01-19	COMPUTER IMPLEMENTED METHOD AND SYSTEM	Martin SEWELL;	

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#	Pub. No	Filed	Title	Inventors	Assignees
4,281	20190228386	2018-01-19	RECORDING EVIDENCE OF ADDRESS/ACCOUNT ALLOCATIONS IN A DISTRIBUTED LEDGER	Carlos Maria Italo Rienzi Onnainty;	
4,282	20200258020	2018-01-18	A METHOD FOR RESOURCE ALLOCATION IN A UTILITY SERVICE NETWORK	William ELLIS; Alun PERKINS; Wojciech IDEC; Jeremy Nicholas Paul ELLIS;	
4,283	20190164220	2018-01-17	SYSTEM AND METHOD FOR DUAL BLOCKCHAIN BASED VALIDATION OF INSTRUMENT REFERENCE DATA AND TRANSACTION REPORTING	Vignesh Raj; Amrit Rajguru;	
4,284	20210350469	2018-01-12	DISTRIBUTED LEDGER SYSTEM FOR MANAGING VEHICLE SENSOR DATA UTILIZED TO DEVELOP COLLISION PROFILES	Ronny Bryant; Stacie McCullough; Mitchell Hill; Jacob Alt; Jaime Skaggs; Shawn Call; Eric Bellas; Vicki King; Melinda Magerkurth;	
4,285	20210279808	2018-01-12	DISTRIBUTED LEDGER SYSTEM FOR INSURANCE RECORD MANAGEMENT SYSTEMS	Ronny Bryant; Stacie McCullough; Mitchell Hill; Jacob Alt; Jaime Skaggs; Shawn Call; Eric Bellas; Vicki King; Melinda Magerkurth;	
4,286	20210264362	2018-01-12	DISTRIBUTED LEDGER SYSTEM FOR CLAIM PAYOUTS	Ronny Bryant; Stacie McCullough; Mitchell Hill; Jacob Alt; Jaime Skaggs; Shawn Call; Eric Bellas; Vicki King; Melinda Magerkurth;	
4,287	20210264527	2018-01-12	Distributed Ledger System for Managing Smart Home Data	Ronny Bryant; Stacie McCullough; Mitchell Hill; Jacob Alt; Jaime Skaggs; Shawn Call; Eric Bellas; Vicki King; Melinda Magerkurth;	
4,288	20190213633	2018-01-10	SYSTEM AND METHOD FOR FACILITATING CLICKABLE LINKS EMBEDDED DIGITAL ASSETS USING A BLOCKCHAIN LEDGER	Michael Kokernak;	
4,289	20190207751	2018-01-04	BLOCKCHAIN ENTERPRISE DATA MANAGEMENT	Ann Charlot Hunaes Harvey;	
4,290	20190156336	2018-01-03	SYSTEM AND METHOD TO VALIDATE BLOCKCHAIN TRANSACTIONS IN A DISTRIBUTED LEDGER NETWORK	Magesh Kasthuri;	
4,291	20180144114	2018-01-01	Securing Blockchain Transactions Against Cyberattacks	Michael Fiske;	
4,292	20190207748	2017-12-29	BLOCKCHAIN STORAGE DEVICE	Timothy Courtney;	
4,293	20190205849	2017-12-28	SYSTEM AND METHOD FOR PERSONALIZED TELLER SERVICES USING ENCRYPTION BASED SHARED ARCHITECTURE	Frank Nuzzi;	
4,294	20190199689	2017-12-21	SECURING DATA OBJECTS THROUGH BLOCKCHAIN COMPUTER PROGRAMS	Brian McKellar; Steffen Knoeller;	
4,295	20190197130	2017-12-21	ENSURING CONSISTENCY IN DISTRIBUTED INCREMENTAL CONTENT PUBLISHING	Shenghao Huang; Nelson Mei; Yogesh Upadhyay; Allen Reyes; Crystal Chen; Curtis Seaton; Bo Xing;	Microsoft Technology Licensing, LLC;
4,296	20190311336	2017-12-20	APPARATUS OF GENERATING CREDIT VIRTUAL CURRENCY AND APPARATUS OF MANAGING CREDIT VIRTUAL CURRENCY	Jung KIM; Moon CHO; Chy KIM; Young KIM; Hak KIM; Seung CHUNG;	SHINHAN CARD CO., LTD.; PAYMINT INC.; BLOCKCHAIN FACTORY CORPORATION;
4,297	20190188411	2017-12-19	Systems and Methods for Decentralizing Consumer Preferences, Consent and Permissions Management with Reward and Reputation Network for Enterprises Using a Blockchain Ledger	Vladislav Kroutik;	
4,298	20190188657	2017-12-19	METHOD AND SYSTEM FOR OUTSIDE GUARANTEES FOR A BLOCKCHAIN TRANSACTION	Ankur ARORA; Avinash KUMAR; Avdhesh VYAS; Srishti GUPTA;	Mastercard International Incorporated;
4,299	20190058709	2017-12-19	TENANT MANAGEMENT METHOD AND SYSTEM IN A CLOUD COMPUTING ENVIRONMENT	James Kempf; Joacim Halén; Tomas Mecklin;	
4,300	20210349443	2017-12-18	METHOD AND APPARATUS FOR THE COMPUTER-AIDED CREATION AND EXECUTION OF A CONTROL FUNCTION	Rainer Falk;	

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#	Pub. No	Filed	Title	Inventors	Assignees
4,301	20190188063	2017-12-18	MAPPING COMPUTER PROGRAMS TO NETWORK PROTOCOL METHODS	Brian McKellar; Manuel Heibel; Christopher Fries;	
4,302	20190188700	2017-12-15	Social Data Tracking Datastructures, Apparatuses, Methods and Systems	Randal August; Kersing Huang; Michael Thibodeau; Matthew George; Valdimir Tsitrin; Christopher Parsons;	
4,303	20190188086	2017-12-14	REDUNDANCY REDUCTION IN BLOCKCHAINS	Kumiko Maeda; Munetaka Ohtani; Yutaka Oishi; Chikafumi Yasumoto; Jiayun Zhu;	
4,304	20180167200	2017-12-13	OBTAINING A MEDICAL RECORD STORED ON A BLOCKCHAIN FROM A WEARABLE DEVICE	Donald High; Bruce Wilkinson; Todd Mattingly; Robert Cantrell; John O'Brien, V; Brian McHale; Joseph Jurich, JR;	
4,305	20180167394	2017-12-13	CONTROLLING ACCESS TO A LOCKED SPACE USING CRYPTOGRAPHIC KEYS STORED ON A BLOCKCHAIN	Donald High; Bruce Wilkinson; Todd Mattingly; John O'Brien, V; Robert Cantrell; Brian McHale; Joseph Jurich, Jr;	
4,306	20180197155	2017-12-12	Method and Apparatus for Processing Mobile Payment Using Blockchain Techniques	Christopher Georgen; Matthew Kindy, II; James Aman; Zihe Huang;	TOPL, LLC;
4,307	20180174129	2017-12-12	Method and Apparatus for Processing Mobile Payment Using Blockchain Techniques	Christopher Georgen; Matthew Kindy, II; James Aman; Zihe Huang;	TOPL, LLC;
4,308	20190180244	2017-12-09	System and Method for Applying Artificial Intelligence and Highly Distributed Storage Systems to Human Resources Information Management	Romella El Kharzazi;	
4,309	20210035102	2017-12-08	REMITTANCE PROCESSING METHOD AND SYSTEM, AND COMPUTER-READABLE STORAGE MEDIUM	Jiantao LIU; Yunfei DUAN; Wei XIN; Tingwei HOU; Jianping SUN; Zhihong LIAN;	
4,310	20190180276	2017-12-07	Automated Event Processing Computing Platform for Handling and Enriching Blockchain Data	Jisoo Lee; John Checco; William Stahlhut; Joseph Castinado; Brad Romano; Suki Ramasamy; Patrick Lawrence; Lekha Ananthakrishnan;	
4,311	20190347738	2017-12-06	SYSTEM AND METHOD FOR REDUCING FRAUD IN TRADE INSURANCE AND FINANCING	Maureen Nova Chua LEDESMA; Jessica MANIPON; Yroen MELGAR; Christian CALABIA;	VESL PTE. LTD.;
4,312	20180349706	2017-12-05	SECURELY AUTHENTICATING A RECORDING FILE FROM INITIAL COLLECTION THROUGH POST-PRODUCTION AND DISTRIBUTION	Roderick Hodgson; Shamir Allibhai;	Unveiled Labs, Inc.;
4,313	20180102013	2017-12-04	SYSTEM AND METHOD FOR SECURELY RECEIVING AND COUNTING VOTES IN AN ELECTION	Nikolaos Spanos; Andrew Martin; Eric Dixon;	Blockchain Technologies Corporation;
4,314	20190164150	2017-11-29	Using Blockchain Ledger for Selectively Allocating Transactions to User Accounts	Jisoo Lee; Christopher Vale; Sean Gutman; William Stahlhut;	
4,315	20190164157	2017-11-28	TRANSACTION AUTHORIZATION PROCESS USING BLOCKCHAIN	Balaji Balaraman; Andras Ferenczi; Sathish Muthukrishnan; Harish Naik;	American Express Travel Related Services Company, Inc.;
4,316	20200364647	2017-11-28	System and Method for Monitoring Environmental Conditions of a Physical Item During Transportation	Marc Degen;	
4,317	20190164140	2017-11-24	SYSTEM AND METHOD FOR BLOCKCHAIN BASED CONTENT MONETIZATION IN AN ONLINE TRADING PLATFORM	Ramya Pasupula;	
4,318	20190066205	2017-11-21	PEER-TO-PEER TRADING WITH BLOCKCHAIN TECHNOLOGY	Howard Marks;	
4,319	20180144298	2017-11-20	TRACKING SHIPPING USING BLOCKCHAIN	Brian RANKIN;	
4,320	20190147065	2017-11-16	METHOD AND SYSTEM FOR VERIFICATION OF DELETED DATA FOR BLOCKCHAINS	Kumiko Maeda; Munetaka Ohtani; Yutaka Oishi; Chikafumi Yasumoto; Jiayun Zhu;	

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#	Pub. No	Filed	Title	Inventors	Assignees
4,321	20190147431	2017-11-16	Credit Protocol	Timothy Galebach; Jared Bowie; Michael Chin; Luke Zhang; Stephen Galebach;	
4,322	20180137503	2017-11-16	REGISTRATION-BASED USER-INTERFACE ARCHITECTURE	Donald High; Michael Atchley; Chandrashekar Natarajan;	
4,323	20190266146	2017-11-10	SECURE AUDITING SYSTEM BASED ON VERIFIED HASH ALGORITHM	Mathew Rose; Colin McCann; Jeremy Gardner; Justin Mahon; Gregory Rossel;	
4,324	20190272604	2017-11-08	SYSTEM FOR INTEGRALLY OPERATING AND MANAGING BEHAVIOR INFORMATION RELATING TO TRANSACTION OF ASSET AND VALUE OF RESIDENT OF HOUSE, AND METHOD FOR TRANSACTING SAME	Neul KIM; Eiya KIM;	
4,325	20190141026	2017-11-07	BLOCKCHAIN BASED DEVICE AUTHENTICATION	Atul Kshirsagar; Vineet Banga;	
4,326	20180313798	2017-11-06	PROVIDING DATA TO A DISTRIBUTED BLOCKCHAIN NETWORK	Risham CHOKSHI; Autumn GOOD; William LIVESEY; Andie SCHROEDER;	
4,327	20190130416	2017-11-01	Blockchain, notary and linket for mobile users	Wesley Boudville; Louise Falevsky;	Other;
4,328	20190279197	2017-10-27	SYSTEMS AND METHODS FOR IMPLEMENTING DETERMINISTIC FINITE AUTOMATA (DFAS) VIA A BLOCKCHAIN	Craig Wright; Pedro Jimenez-Delgado;	
4,329	20190132130	2017-10-27	Authoring and Embedding Blockchain Based Smart Contracts in B2B Contract Managements Systems	Hemanth Anantha; Kiran Kulkarni; Abhishek Chaturvedi; Debashis Banerjee; Panish Ramakrishna;	
4,330	20190130507	2017-10-27	Systems and Methods for Monetizing Intellectual Property	Jeff Stollman;	
4,331	20180082291	2017-10-18	Systems and Methods that Utilize Blockchain Digital Certificates for Data Transactions	Craig Allen; Christopher Hale; Catherine Nomura;	
4,332	20190114707	2017-10-16	Distribution of Blockchain Tokens	Kevin McSheehan; Corey Jackson; Jevjenijs Steinbuks; Robert Forster; Greg Bailey;	Shinestack LLC;
4,333	20180108010	2017-10-13	VENDOR PAYMENT SHARING SYSTEM	Brian McHale; Bruce Wilkinson; Todd Mattingly; Anton Valkov; Donald High; John O'Brien, V;	
4,334	20180089374	2017-10-10	Method and System for Transferring Mammograms with Blockchain Verification	Tillata Gibson;	
4,335	20190108482	2017-10-06	ENABLEMENT OF PROCUREMENT PROCESSES WITH ASSET TRACEABILITY USING BLOCKCHAIN TECHNOLOGY	Kumar Vikas; Rajesh Chinnakonda;	
4,336	20190102757	2017-09-29	Method of constructing scalable blockchain by using KanBan to update off-chain transactions states	Paul Liu;	
4,337	20180096175	2017-09-29	Blockchain Enabled Packaging	James Schmeling; David Divine; David Thompson; Shay Colson;	
4,338	20190102850	2017-09-29	SMART CITY COMMODITY EXCHANGE WITH SMART CONTRACTS	David Wheeler; Ned Smith; Thimas Abels; Michael Reed; Clair Bowman; Thomas Barnes;	
4,339	20180094953	2017-09-29	Distributed Manufacturing	Shay Colson; David Divine; David Thompson; James Schmeling; Patrick Molvik;	
4,340	20190095585	2017-09-27	BLOCKCHAIN BASED PROACTIVE CHROMOSOMAL DETERMINATION	Samuel Jawaharlal; Sarbajit Rakshit; Sathya Santhar; Balamurugaramanathan Sivaramalingam;	

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4,341	20180089758	2017-09-26	SYSTEM AND METHOD OF PROVIDING A CONTRACT-CREATOR APPLICATION	Adam STRADLING; Erik VOORHEES;	
4,342	20180089760	2017-09-26	SYSTEM AND METHOD OF PROVIDING A MULTI-ASSET REBALANCING MECHANISM	Adam STRADLING; Erik VOORHEES;	
4,343	20180089761	2017-09-26	SYSTEM AND METHOD OF PROVIDING A LEADER-FOLLOWER MULTI-ASSET PORTFOLIO	Adam STRADLING; Erik VOORHEES;	
4,344	20180083786	2017-09-22	METHODS AND SYSTEMS OF PERFORMING TAMPER-EVIDENT LOGGING USING BLOCK LATTICES	Timothy Dierks; Ian Roxborough; Sarah Thompson; Maya Kaczorowski; Smitha Sundareswaran;	
4,345	20180075527	2017-09-14	CREDIT SCORE PLATFORM	Gaurav NAGLA; Archana NAGLA;	
4,346	20180268386	2017-09-13	Identity Management Distributed Ledger and Blockchain	C Wack; Edward Scheidt;	
4,347	20190213518	2017-09-13	Collaborative and dynamic mobile workflow execution platform	Francis Lee; Hamid Moutawakkil;	
4,348	20180075534	2017-09-12	System for Guaranteeing Interest	Pierre-Louis de Fouquieres;	
4,349	20190251296	2017-08-28	METHOD FOR TAMPER-PROOF EVALUATION OF COMPONENT PROPERTIES OF A FIELD DEVICE	Michael Maneval; Michael Mayer; Ingomar Sotriffer;	
4,350	20210042827	2017-08-17	A System and Method for Trading Information	Yosef BEN-EZRA; Samuel HAZAK; Yaniv BEN-HAIM; Yoni SCHIFF; Shai NISSIM; Orit SHIFMAN;	
4,351	20170352219	2017-08-14	SYSTEM AND METHOD FOR SECURELY RECEIVING AND COUNTING VOTES IN AN ELECTION	Nikolaos Spanos; Andrew Martin; Eric Dixon;	Blockchain Technologies Corporation;
4,352	20190052722	2017-08-11	DISTRIBUTED REPUTATIONAL DATABASE	Lincoln Gasking;	
4,353	20180123779	2017-08-04	Flexible Blockchain Smart-Contract Deployment	Jiangang Zhang;	
4,354	20180062831	2017-08-04	Massively Scalable Blockchain Ledger	Jiangang Zhang;	
4,355	20190043025	2017-08-02	GENETIC ALGORITHMS IN BLOCKCHAIN SPACE	Aram MARTIROSYAN;	
4,356	20220058614	2017-07-24	BLOCKCHAIN IMPLEMENTED METHOD AND SYSTEM	Stephane Savanah; Craig Wright; Ying Chan;	
4,357	20190026672	2017-07-24	SYSTEM AND COMPUTER PROGRAM FOR IMPLEMENTING AN IMPROVED BLOCKCHAIN FOR USE A VALUE CHAIN	Ranjit Notani;	One Network Enterprises, Inc.;
4,358	20220148082	2017-07-21	SYSTEMS AND METHODS FOR ETF CREATION AND REDEMPTION VIA BLOCKCHAIN	Paul Lacey;	
4,359	20230155846	2017-07-21	BLOCKCHAIN-IMPLEMENTED METHOD AND SYSTEM	Gavin Allen; Craig Wright;	
4,360	20190173884	2017-07-21	BLOCKCHAIN-IMPLEMENTED METHOD AND SYSTEM	Stephane Vincent;	

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4,361	20190164138	2017-07-21	BLOCKCHAIN-IMPLEMENTED SYSTEM AND METHOD	Craig Wright; Stephane Savanah;	
4,362	20180197159	2017-07-19	MANAGING CHAIN-OF-OWNERSHIP FOR ART USING CRYPTOCURRENCY BLOCKCHAIN	Howard Sheerin;	
4,363	20190325512	2017-07-14	Using a Distributed Ledger for Tracking Debt Data	Devon Watson; Gary Ganger; Gregory Shimek; Vanessa Gagnon; Douglas HARTUNG;	
4,364	20190182284	2017-07-13	BLOCKCHAIN-BASED SECURITY THREAT DETECTION METHOD AND SYSTEM	Matteo Signorini; Roberto Di Pietro; Wael Kanoun;	Alcatel Lucent;
4,365	20180268479	2017-06-30	INTERNATIONAL TRADE FINANCE BLOCKCHAIN SYSTEM	Michael Dowling; Alexander Thompson; Axel Levitan; Robert Severino;	
4,366	20180225661	2017-06-29	CONSORTIUM BLOCKCHAIN NETWORK WITH VERIFIED BLOCKCHAIN AND CONSENSUS PROTOCOLS	Mark RUSSINOVICH; Manuel COSTA; Matthew KERNER; Thomas MOSCIBRODA;	
4,367	20190268466	2017-06-28	NUMBER PORTABILITY INFORMATION MANAGEMENT SYSTEM	Tetsuo INOUE;	NEC CORPORATION;
4,368	20190244227	2017-06-28	BULLETIN BOARD INFORMATION MANAGEMENT SYSTEM	Tetsuo INOUE;	NEC Corporation;
4,369	20170372278	2017-06-26	PAYMENT SYSTEM FOR CARRYING OUT ELECTRONIC SETTLEMENTS USING BLOCKCHAIN TECHNOLOGY	Vladimir Frolov; Damir Gaynanov; Aleksey Romanchuk; Anatoliy Vatolin;	
4,370	20180374094	2017-06-22	METHOD AND SYSTEM FOR INDEXING CONSUMER ENROLLMENT USING BLOCKCHAIN	Manoneet KOHLI;	Mastercard International Incorporated;
4,371	20210312558	2017-06-15	SYSTEMS AND METHODS FOR MAINTAINING A DISTRIBUTED LEDGER OF TRANSACTIONS PERTAINING TO ONE OR MORE SMART CONTRACTS	Matthew Floyd; Alvin Hon-Wai Yu; Antwuan Murphy; Brittney Benzio; Lindsi Brantley; Matthew Delaney; Matthew Vulich; Matthew Rodriguez; Neha Goel; Sabrina Collins; Annie Murillo;	
4,372	20180365688	2017-06-14	TRANSACTION EXECUTION AND VALIDATION IN A BLOCKCHAIN	Miao He; Changrui Ren; Bing Shao; Yue Tong;	
4,373	20170364936	2017-06-08	COMPUTER-IMPLEMENTED ELECTRONIC COUPON SYSTEM AND METHODS USING A BLOCKCHAIN	Rob Balfour; Greg Bandler;	CouponCo Ltd.;
4,374	20180349896	2017-06-05	METHOD AND SYSTEM FOR ANONYMIZATION OF ELECTRONIC TRANSACTIONS VIA BLOCKCHAIN	Ankur ARORA; Shashank TRIVEDI; Ajay NEHRA;	Mastercard International Incorporated;
4,375	20210176251	2017-05-30	Access Control Method and Industrial Network Using a Blockchain for Access Control	Artem Ozhigin; Sergey Sobolev;	
4,376	20200334746	2017-05-17	ELECTRONIC MORTGAGE BROKERING AND MONITORING	Ruth Hatherley; Jonathan Macdonald;	
4,377	20180330342	2017-05-11	DIGITAL ASSET ACCOUNT MANAGEMENT	Gyan Prakash; Ajit Gaddam; Sivanarayana Gaddam;	
4,378	20170285720	2017-05-07	METHOD AND SYSTEM FOR MITIGATING TRANSMISSION CONGESTION VIA DISTRIBUTED COMPUTING AND BLOCKCHAIN TECHNOLOGY	Jigar Shah;	
4,379	20180322561	2017-05-04	METHOD AND SYSTEM FOR AUTOMATED FULFILLMENT VIA BLOCKCHAIN	Ankur ARORA;	Mastercard International Incorporated;
4,380	20180322489	2017-05-03	SYSTEM AND METHOD FOR RESTRICTED TRANSACTION PROCESSING	Meredith Altenhofen; Chris Truelson; Quan Wang;	

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4,381	20190207767	2017-05-02	BLOCK CHAIN SUPPORTING MULTIPLE ONE-WAY FUNCTIONS USED FOR VERIFICATION OF BLOCKS	Kyu AHN;	
4,382	20180315055	2017-05-01	Blockchain For Issue/Defect Tracking System	Clifford Pickover; Komminist Weldemariam;	
4,383	20180315145	2017-05-01	MANAGING SCHOOL SYSTEMS ON A BLOCKCHAIN	Shelby DARNELL; Jonathan LENCHNER; DABY SOW; Charity WAYUA; Komminist WELDEMARIAM;	
4,384	20190149337	2017-04-28	IMPLEMENTING LOGIC GATE FUNCTIONALITY USING A BLOCKCHAIN	Stephane Savanah; Craig Wright;	
4,385	20190095909	2017-04-28	METHOD AND SYSTEM FOR CONTROLLING THE PERFORMANCE OF A CONTRACT USING A DISTRIBUTED HASH TABLE AND A PEER-TO-PEER DISTRIBUTED LEDGER	Craig Wright; Stephane Savanah;	
4,386	20180308072	2017-04-21	METHOD AND APPARATUS FOR BLOCKCHAIN MANAGEMENT	Matthew Smith; Julian Vergel de Dios; Sivasubramanian Hyderabadkannan; Joshua Lederman;	
4,387	20190166085	2017-04-19	BLOCKCHAIN-BASED DOMAIN NAME RESOLUTION SYSTEM	Hui LI; Huajun MA; Haopeng LI; Zhihao HUANG; Xin YANG; Kedan LI; Han WANG;	PEKING UNIVERSITY SHENZHEN GRADUATE SCHOOL;
4,388	20180167198	2017-04-07	TRUST ENABLED DECENTRALIZED ASSET TRACKING FOR SUPPLY CHAIN AND AUTOMATED INVENTORY MANAGEMENT	Justin Muller; Carlos Pignataro; Rajiv Asati; Nagendra Nainar;	
4,389	20180293547	2017-04-06	METHODS AND SYSTEMS FOR EMPLOYMENT AND EDUCATION VERIFICATION USING BLOCKCHAIN	JASPREET RANDHAWA;	
4,390	20180285979	2017-04-04	CREATING SERVICE AGREEMENTS VIA BLOCKCHAIN SMART CONTRACTS	Amanda Chessell; Elezaveta Koumpan;	
4,391	20180285971	2017-03-31	MANAGEMENT OF CONSUMER DEBT COLLECTION USING A BLOCKCHAIN AND MACHINE LEARNING	Jonathan MC. Rosenoer;	
4,392	20180285217	2017-03-31	FAILOVER RESPONSE USING A KNOWN GOOD STATE FROM A DISTRIBUTED LEDGER	NED SMITH; THIAGO MACIEIRA; ZHENG ZHANG; GLEN ANDERSON; IGOR MUTTIK;	
4,393	20170287090	2017-03-31	SYSTEM AND METHOD FOR CREATING AND EXECUTING DATA-DRIVEN LEGAL CONTRACTS	Peter Geoffrey Lerato Hunn; Houman Shadab;	
4,394	20200327498	2017-03-21	Business Process Execution on a Blockchain Platform	Ingo Weber; Xiwei Xu; Guido Govenatori; Regis Riveret; Alexander Ponomerev;	
4,395	20180267539	2017-03-17	Distributive networks of groups of moveable autonomous devices	Jeanne Shih;	
4,396	20180268504	2017-03-15	Indexing Mortgage Documents via Blockchains	Mahesh Paolini-Subramanya; Brain Deery; Paul Snow; Jason Nadeau;	
4,397	20180260889	2017-03-10	Sourcing Mortgage Documents via Blockchains	Mahesh Paolini-Subramanya; Brain Deery; Paul Snow; Jason Nadeau;	
4,398	20180130050	2017-03-09	EXTENDED BLOCKCHAINS FOR EVENT TRACKING AND MANAGEMENT	Benjamin Taylor; Gabriel Hare;	
4,399	20180260888	2017-03-08	Validating Mortgage Documents	Mahesh Paolini-Subramanya; Jason Nadeau; Brian Deery; Paul Snow;	
4,400	20190386834	2017-03-03	BLOCKCHAIN MANAGEMENT APPARATUS, BLOCKCHAIN MANAGEMENT METHOD, AND PROGRAM	Ryo FURUKAWA;	NEC Corporation;

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4,401	20190073646	2017-02-21	CONSOLIDATED BLOCKCHAIN-BASED DATA TRANSFER CONTROL METHOD AND SYSTEM	Craig Wright; Stephane Savanah;	
4,402	20190068365	2017-02-16	METHODS AND SYSTEMS FOR EFFICIENT TRANSFER OF ENTITIES ON A PEER-TO-PEER DISTRIBUTED LEDGER USING THE BLOCKCHAIN	Craig WRIGHT; Stephane SAVANAH;	nChain Holdings Limited;
4,403	20180232731	2017-02-14	SUPPLY CHAIN RECORDING METHOD WITH TRACEABLE FUNCTION BY IMPLEMENTING BLOCKCHAIN TECHNIQUE	YEH-CHUN LIU;	
4,404	20220309463	2017-02-14	SYSTEMS AND METHODS FOR TRADE PARTNER INFORMATION SHARING	Matthew Heffron;	
4,405	20170236102	2017-02-10	Peer-to-Peer Financial Transactions Using A Private Distributed Ledger	Eli Biton;	
4,406	20170236103	2017-02-10	Peer-to-Peer Financial Transactions Using A Private Distributed Ledger	Eli Biton;	
4,407	20170236104	2017-02-10	Peer-to-Peer Financial Transactions Using A Private Distributed Ledger	Eli Biton;	
4,408	20170149560	2017-02-08	DIGITAL BLOCKCHAIN AUTHENTICATION	Shahid Shah;	Netspective Communications LLC;
4,409	20170228371	2017-02-02	BLOCKCHAIN-ENHANCED DATABASE	Robert SEGER, II;	MANIFOLD TECHNOLOGY, INC.;
4,410	20180218003	2017-01-30	EPHEMERAL BLOCKCHAIN DATA STRUCTURE	Vineet Banga; Atul Kshirsagar;	
4,411	20170264428	2017-01-30	DATA STORAGE SYSTEM WITH BLOCKCHAIN TECHNOLOGY	Robert SEGER, II;	MANIFOLD TECHNOLOGY, INC.;
4,412	20180220292	2017-01-30	Blockchain-Based Subscription Management	Dennis Landscheidt;	
4,413	20170243216	2017-01-27	DIGITAL PAYMENT PROCESSING UTILIZING ENCRYPTED COMPUTER NETWORKING	BRADLEY KOHN;	
4,414	20180211043	2017-01-24	Blockchain Based Security for End Points	Syed Mohammad Amir Husain;	
4,415	20180197186	2017-01-12	MANAGING CHAIN-OF-OWNERSHIP FOR ART USING CRYPTOCURRENCY BLOCKCHAIN	Howard Sheerin;	
4,416	20170200147	2017-01-07	System and the computer methods of issuing, transferring and manipulating value or gift cards using blockchain technology	Akbar Ansari;	
4,417	20190238550	2016-12-26	PERMISSION CONTROL METHOD, APPARATUS AND SYSTEM FOR BLOCK CHAIN, AND NODE DEVICE	Yueyang ZHANG; Hui XIE;	
4,418	20190173667	2016-12-23	BLOCK GENERATION METHOD, DEVICE AND BLOCKCHAIN NETWORK	Jian WANG; Hui XIE;	
4,419	20180174143	2016-12-19	DIFFERENTIAL COMMIT TIME IN A BLOCKCHAIN	Paul Bastide; Jonathan Dunne; Liam Harpur; Sumit Patel;	
4,420	20170193464	2016-12-19	Protocol utilizing bitcoin blockchain for maintaining independently proposed and approved set contents	Justin SHER;	

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#	Pub. No	Filed	Title	Inventors	Assignees
4,421	20190287146	2016-12-14	SYSTEM, METHOD, AND COMPUTER PROGRAM FOR IMPLEMENTING A LICENSE LEDGER IN A NETWORK FUNCTION VIRTUALIZATION (NFV) BASED COMMUNICATION NETWORK	Roger Maitland; Gad Weissman;	
4,422	20180089651	2016-12-12	BLOCKCHAINING SYSTEMS AND METHODS FOR FRICTIONLESS MEDIA	Robert Lund; Steven Goeringer; Brian Scriber;	
4,423	20170221029	2016-12-12	BLOCKCHAINING SYSTEMS AND METHODS FOR FRICTIONLESS MEDIA	Robert Lund; Steven Goeringer; Brian Scriber;	
4,424	20180165416	2016-12-09	Method for Providing Healthcare-Related, Blockchain-Associated Cognitive Insights Using Blockchains	Manoj Saxena; Matthew Sanchez; Richard Knuszka;	
4,425	20180165585	2016-12-09	Method for Providing Procurement Related Cognitive Insights Using Blockchains	Manoj Saxena; Matthew Sanchez; Richard Knuszka;	
4,426	20180165586	2016-12-09	Providing Procurement Related Cognitive Insights Using Blockchains	Manoj Saxena; Matthew Sanchez; Richard Knuszka;	
4,427	20180165588	2016-12-09	Providing Healthcare-Related, Blockchain-Associated Cognitive Insights Using Blockchains	Manoj Saxena; Matthew Sanchez; Richard Knuszka;	
4,428	20180165598	2016-12-09	Method for Providing Financial-Related, Blockchain-Associated Cognitive Insights Using Blockchains	Manoj Saxena; Matthew Sanchez; Richard Knuszka;	
4,429	20180165611	2016-12-09	Providing Commerce-Related, Blockchain-Associated Cognitive Insights Using Blockchains	Manoj Saxena; Matthew Sanchez; Richard Knuszka;	
4,430	20180165612	2016-12-09	Method for Providing Commerce-Related, Blockchain-Associated Cognitive Insights Using Blockchains	Manoj Saxena; Matthew Sanchez; Richard Knuszka;	
4,431	20180165758	2016-12-09	Providing Financial-Related, Blockchain-Associated Cognitive Insights Using Blockchains	Manoj Saxena; Matthew Sanchez; Richard Knuszka;	
4,432	20180158034	2016-12-07	DYNAMIC REORDERING OF BLOCKCHAIN TRANSACTIONS TO OPTIMIZE PERFORMANCE AND SCALABILITY	Guerney DH. Hunt; Lawrence Koved;	
4,433	20180157700	2016-12-06	STORING AND VERIFYING EVENT LOGS IN A BLOCKCHAIN	Craig Roberts; Jamie Windley;	
4,434	20220358185	2016-12-02	TRAVERSING DATA STRUCTURES FOR COMPLIANCE	David Newman;	
4,435	20180253702	2016-11-22	BLOCKCHAIN SOLUTIONS FOR FINANCIAL SERVICES AND OTHER TRANSACTIONS-BASED INDUSTRIES	Paul Dowding;	GARTLAND & MELLINA GROUP;
4,436	20180137507	2016-11-14	PERFORMING VERIFICATION ON THE BLOCKCHAIN FOR NON-BLOCKCHAIN TRANSACTIONS	Praveen Jayachandran; Palanivel Kodeswaran; Sayandeep Sen;	
4,437	20180114205	2016-11-14	DISTRIBUTED LEDGER SYSTEM FOR PROVIDING AGGREGATE TRACKING AND THRESHOLD TRIGGERING	Richard Thomas; Joseph Castinado;	
4,438	20180374097	2016-11-09	A DISTRIBUTED USER PROFILE IDENTITY VERIFICATION SYSTEM FOR E-COMMERCE TRANSACTION SECURITY	Roger HANNA;	
4,439	20180130034	2016-11-07	EXTENDED BLOCKCHAINS FOR EVENT TRACKING AND MANAGEMENT	Benjamin Taylor; Gabriel Hare; Aaron Smith;	
4,440	20170132620	2016-11-07	SYSTEMS AND METHODS FOR AUTONOMOUS DEVICE TRANSACTING	Jeremie Miller; Thomas Muldowney; Allison Cliff-Jennings;	SWFL, Inc., d/b/a "Filament";

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4,441	20170132621	2016-11-07	SYSTEMS AND METHODS FOR AUTONOMOUS DEVICE TRANSACTING	Jeremie Miller; Thomas Muldowney; Allison Cliff-Jennings;	SWFL, Inc., d/b/a "Filament";
4,442	20170134161	2016-11-07	BLOCKCHAINING FOR MEDIA DISTRIBUTION	Steven Goeringer; Robert Lund; Brian Scriber;	
4,443	20180331832	2016-11-04	Cryptographic Transactions System	Allen Pulsifer;	
4,444	20180121918	2016-11-03	METHOD AND SYSTEM FOR NET SETTLEMENT BY USE OF CRYPTOGRAPHIC PROMISSORY NOTES ISSUED ON A BLOCKCHAIN	Stephen HIGGINS;	MasterCard International Incorporated;
4,445	20170116693	2016-10-27	Systems and Methods for Decentralizing Commerce and Rights Management for Digital Assets Using a Blockchain Rights Ledger	Christopher Rae; Niels Thorwirth;	Verimatrix, Inc.;
4,446	20180114218	2016-10-26	BLOCKCHAIN: AUTOMATIC FORK PROTECTION	Rafal Konik; Roger Mittelstadt; Brian Muras; Chad Olstad;	
4,447	20170109955	2016-10-19	BLOCKCHAIN ELECTRONIC VOTING SYSTEM AND METHOD	Adam Ernest; Nathan Hourt; Daniel Larimer;	
4,448	20180108089	2016-10-14	TRANSACTIONS AND LINKED ASSETS ON A BLOCKCHAIN	Praveen Jayachandran;	
4,449	20180285879	2016-09-30	BLOCKCHAIN-BASED IDENTITY AND TRANSACTION PLATFORM	Ashish Gadnis; Jeffrey Keiser; Michael Linton; Stanislav Natalenko;	BanQu, Inc.;
4,450	20180082290	2016-09-16	Systems and Methods that Utilize Blockchain Digital Certificates for Data Transactions	Craig Allen; Christopher Hale; Catherine Nomura;	
4,451	20190087893	2016-09-05	Methods and Systems for Blockchain Based Segmented Risk Based Securities	John Pellew;	
4,452	20220277261	2016-08-11	Systems and Methods to Ensure Asset and Supply Chain Integrity	Jeff Stollman; Martin MATEEV;	
4,453	20170031676	2016-07-25	BLOCKCHAIN COMPUTER DATA DISTRIBUTION	Adam Cecchetti; Michael Eddington;	
4,454	20170243193	2016-07-15	HYBRID BLOCKCHAIN	Zaki MANIAN; Ranganathan KRISHNAN; Srinivasan SRIRAM;	
4,455	20170109735	2016-07-14	Computationally Efficient Transfer Processing and Auditing Apparatuses, Methods and Systems	Xinxin Sheng; Thomas McGuire; Amanda Chiu; Jonathan Hromi; Raghav Chawla;	
4,456	20170085545	2016-07-14	Smart Rules and Social Aggregating, Fractionally Efficient Transfer Guidance, Conditional Triggered Transaction, Datastructures, Apparatuses, Methods and Systems	Timothy Lohe; Hadley Stern; Raghav Chawla; Christopher Parsons; Thomas McGuire;	
4,457	20170046689	2016-07-14	Crypto Voting and Social Aggregating, Fractionally Efficient Transfer Guidance, Conditional Triggered Transaction, Datastructures, Apparatuses, Methods and Systems	Timothy Lohe; Hadley Stern; Raghav Chawla; Christopher Parsons; Thomas McGuire;	
4,458	20170048209	2016-07-14	Crypto Key Recovery and Social Aggregating, Fractionally Efficient Transfer Guidance, Conditional Triggered Transaction, Datastructures, Apparatuses, Methods and Systems	Timothy Lohe; Hadley Stern; Raghav Chawla; Christopher Parsons; Thomas McGuire;	
4,459	20170048234	2016-07-14	Social Aggregating, Fractionally Efficient Transfer Guidance, Conditional Triggered Transaction, Datastructures, Apparatuses, Methods and Systems	Timothy Lohe; Hadley Stern; Raghav Chawla; Christopher Parsons; Thomas McGuire;	
4,460	20170048235	2016-07-14	Crypto Captcha and Social Aggregating, Fractionally Efficient Transfer Guidance, Conditional Triggered Transaction, Datastructures, Apparatuses, Methods and Systems	Timothy Lohe; Hadley Stern; Raghav Chawla; Christopher Parsons; Thomas McGuire;	

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#	Pub. No	Filed	Title	Inventors	Assignees
4,461	20170011460	2016-06-30	SYSTEMS AND METHODS FOR TRADING, CLEARING AND SETTLING SECURITIES TRANSACTIONS USING BLOCKCHAIN TECHNOLOGY	Vincent Molinari; Joe Latona; Christopher Pallotta; Clifford Friedman;	
4,462	20170357966	2016-06-09	METHOD AND SYSTEM FOR USE OF A PROPRIETARY PRIVATE BLOCKCHAIN	Arundhati CHANDRASEKHAR; Pranav GANDHI; Brittany BERLINER; Zachary WIDDICOMBE;	MasterCard International Incorporated;
4,463	20210211468	2016-05-27	SYSTEMS AND METHODS FOR SERVICE COMPLIANCE VIA BLOCKCHAIN	Phillip Griffin; Jeffrey Stapleton;	
4,464	20170345011	2016-05-26	SYSTEM AND METHOD EXECUTED ON A BLOCKCHAIN NETWORK	Patrick Salami; Nathalie Salami;	Hitfin, Inc.;
4,465	20170286951	2016-05-26	Dynamic Delivery Authorization for Cryptographic Payments	Sergey Ignatchenko; Bernhard Kaufmann;	
4,466	20170344988	2016-05-24	SYSTEM AND METHOD FOR FACILITATING BLOCKCHAIN-BASED VALIDATION	Ian CUSDEN; Joseph GOULDEN; Alex BATLIN;	
4,467	20190280856	2016-05-19	APPLIED CRYPTOGRAPHIC IP MANAGEMENT METHOD AND SYSTEM	Tralvex @ Rex Yeap YEAP; Kai LING;	
4,468	20160300234	2016-04-06	SYSTEM AND METHOD FOR DECENTRALIZED TITLE RECORDATION AND AUTHENTICATION	Sean MOSS-PULTZ; Casey ALT; Christopher HALL; Le Quy Quoc Cuong; Yu-Chiang WANG; Tzu-Yun LIN;	
4,469	20160283920	2016-03-28	AUTHENTICATION AND VERIFICATION OF DIGITAL DATA UTILIZING BLOCKCHAIN TECHNOLOGY	Justin Fisher; Maxwell Sanchez;	
4,470	20170270527	2016-03-17	ASSESSING TRUST TO FACILITATE BLOCKCHAIN TRANSACTIONS	JOHN RAMPTON;	
4,471	20170228731	2016-02-09	Computationally Efficient Transfer Processing and Auditing Apparatuses, Methods and Systems	Xinxin Sheng; Thomas McGuire; Amanda Chiu; Jonathan Hromi; Raghav Chawla;	
4,472	20170140408	2015-11-16	TRANSPARENT SELF-MANAGING REWARDS PROGRAM USING BLOCKCHAIN AND SMART CONTRACTS	Michael Wuehler;	
4,473	20170046693	2015-11-10	SYSTEMS AND METHODS FOR DETECTING AND RESOLVING DATA INCONSISTENCIES AMONG NETWORKED DEVICES USING HYBRID PRIVATE-PUBLIC BLOCKCHAIN LEDGERS	Perry Haldenby; Rajan Mahadevan; John Jong Suk Lee; Paul Mon-Wah Chan; Orin Del Vecchio;	The Toronto-Dominion Bank;
4,474	20170132625	2015-11-05	METHOD AND SYSTEM FOR USE OF A BLOCKCHAIN IN A TRANSACTION PROCESSING NETWORK	Dennis KENNEDY;	MASTERCARD INTERNATIONAL INCORPORATED;
4,475	20170132626	2015-11-05	METHOD AND SYSTEM FOR PROCESSING OF A BLOCKCHAIN TRANSACTION IN A TRANSACTION PROCESSING NETWORK	Dennis KENNEDY;	MasterCard International Incorporated;
4,476	20160358253	2015-10-05	ELECTRONIC CURRENCY MANAGEMENT METHOD AND ELECTRONIC CURRENCY SYSTEM	Shih-Wei Liao; Che-Jui Chang; Chi-Ning Chou;	
4,477	20160342989	2015-05-21	METHOD AND SYSTEM FOR PROCESSING BLOCKCHAIN-BASED TRANSACTIONS ON EXISTING PAYMENT NETWORKS	Steven DAVIS;	MasterCard International Incorporated;

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