

TECH \$CAN

BLOCKCHAIN

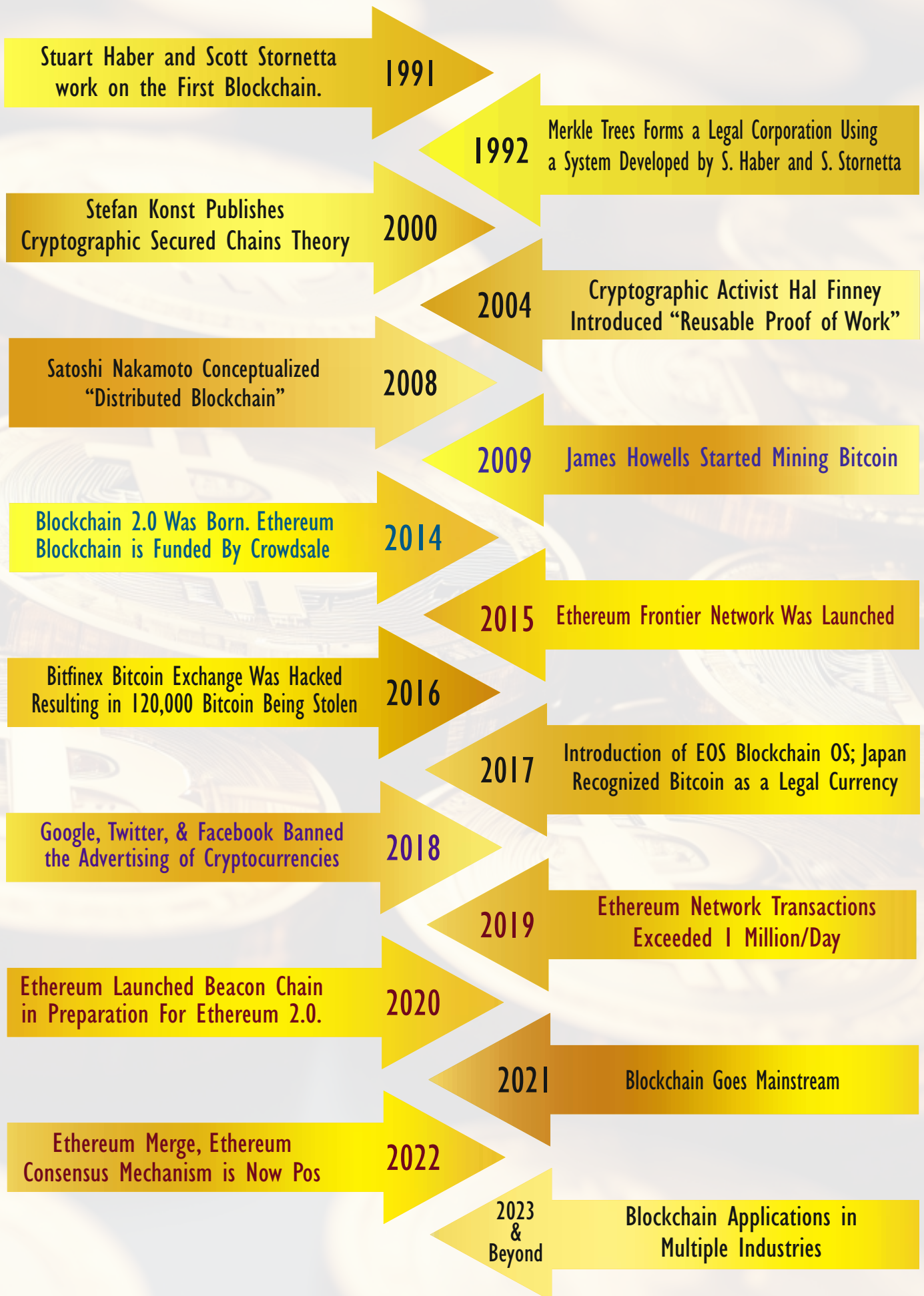


Block chain is a data chain, which is a decentralized and immutable ledger i.e. it's a secure database shared across a network of participants, where up-to-date information is available to all participants at the same time involving any dynamic changes being incorporated, visible to all.

Blockchain offers an added layer of network security i.e. a change is only incorporated in a single block and not visible to all the bearers of that copy. For changing the entire ledger or chain consensus rule needs to be followed wherein all the holders of the blockchain need to approve the change to be incorporated universally.

Blockchain has driven multiple innovations, one of the most prominent ones being Bitcoin and Ethereum which is driving the revolution of Cryptocurrency, but still it's an iceberg whose tip remains explored and loads yet remains unexplored. Due to this enormous whitespace and varied applications comes the growing urge to delve deeper into this growing technology and get the upcoming advancements protected.

TIMELINE



PATENTABLE ASPECTS

CONSENSUS MECHANISMS

- Consensus Algorithm Innovations
- Security of Blockchain Networks

SMART CONTRACTS

- Novel Methods Improving Scripting Languages

DISTRIBUTED LEDGER ARCHITECTURE

- Unique configurations for distributed ledgers
- Data privacy



BLOCKCHAIN GOVERNANCE MODELS

- Unique Governance Mechanisms

BIOMETRIC DATA INTEGRATION

PRIVATE BLOCKCHAIN SYSTEM

- Control System and Method



DATA TRADING



BLOCKCHAIN ACCREDITATION MECHANISM

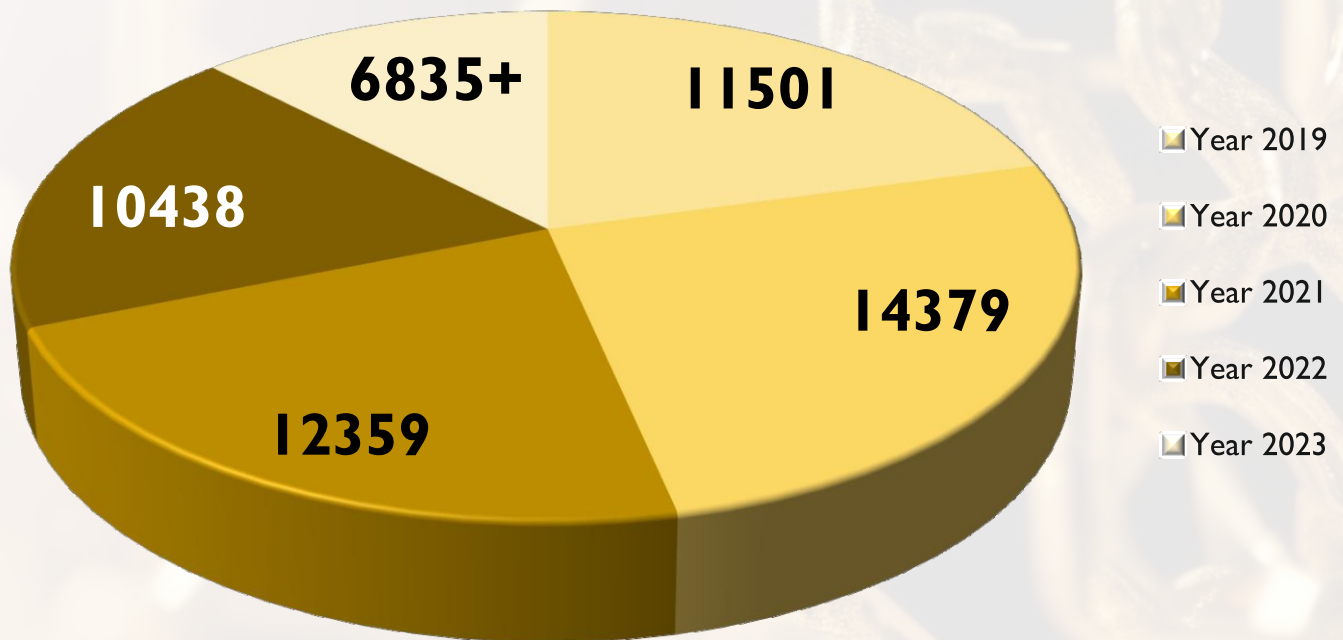
- Cybersecurity Risk

BLOCKCHAIN IN FINANCE

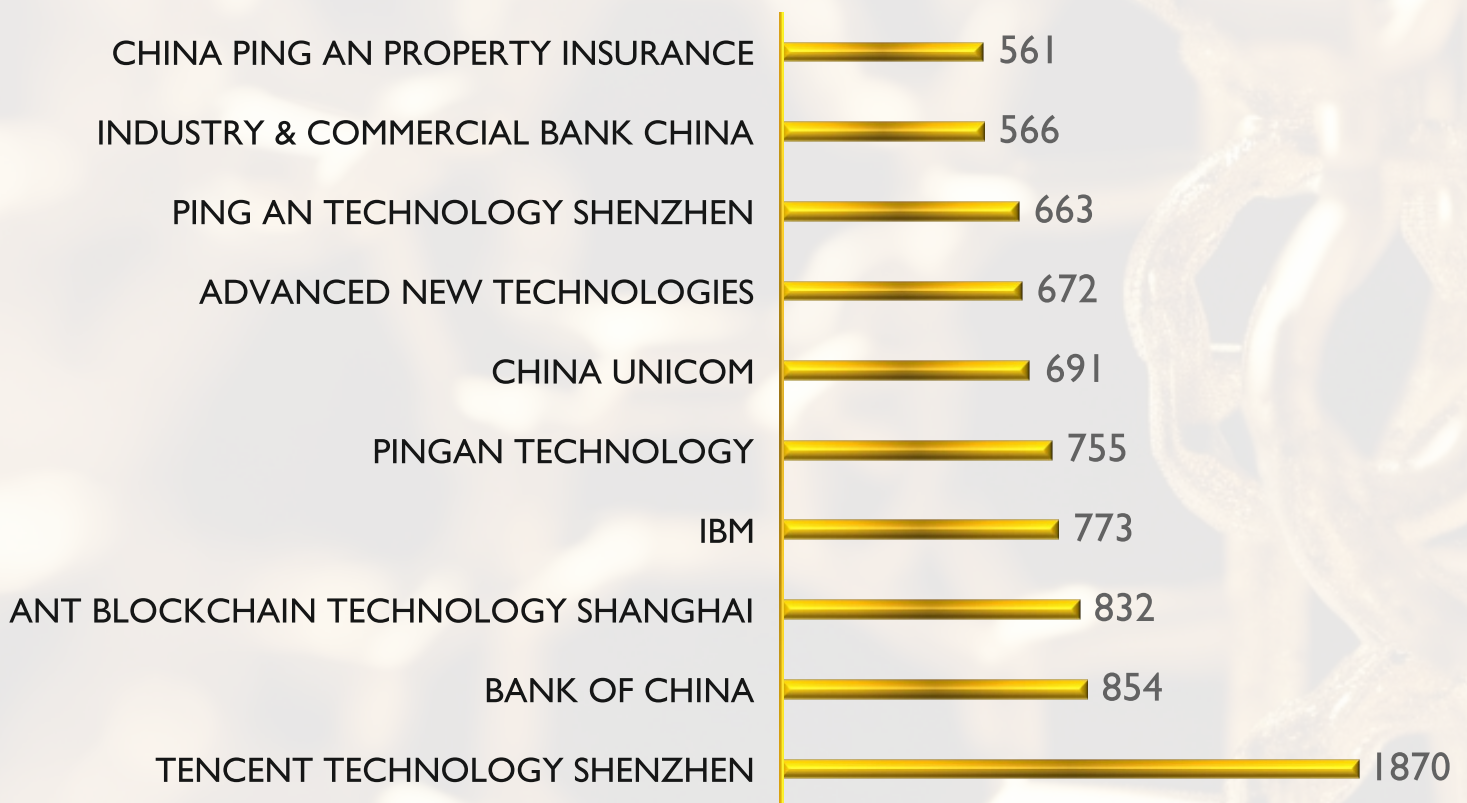
- Real-Time Cryptocurrency Exchange
- Bitcoin

PATENT STATISTICS

The number of patent filings related to blockchain technology has shown a steady increase over the years.



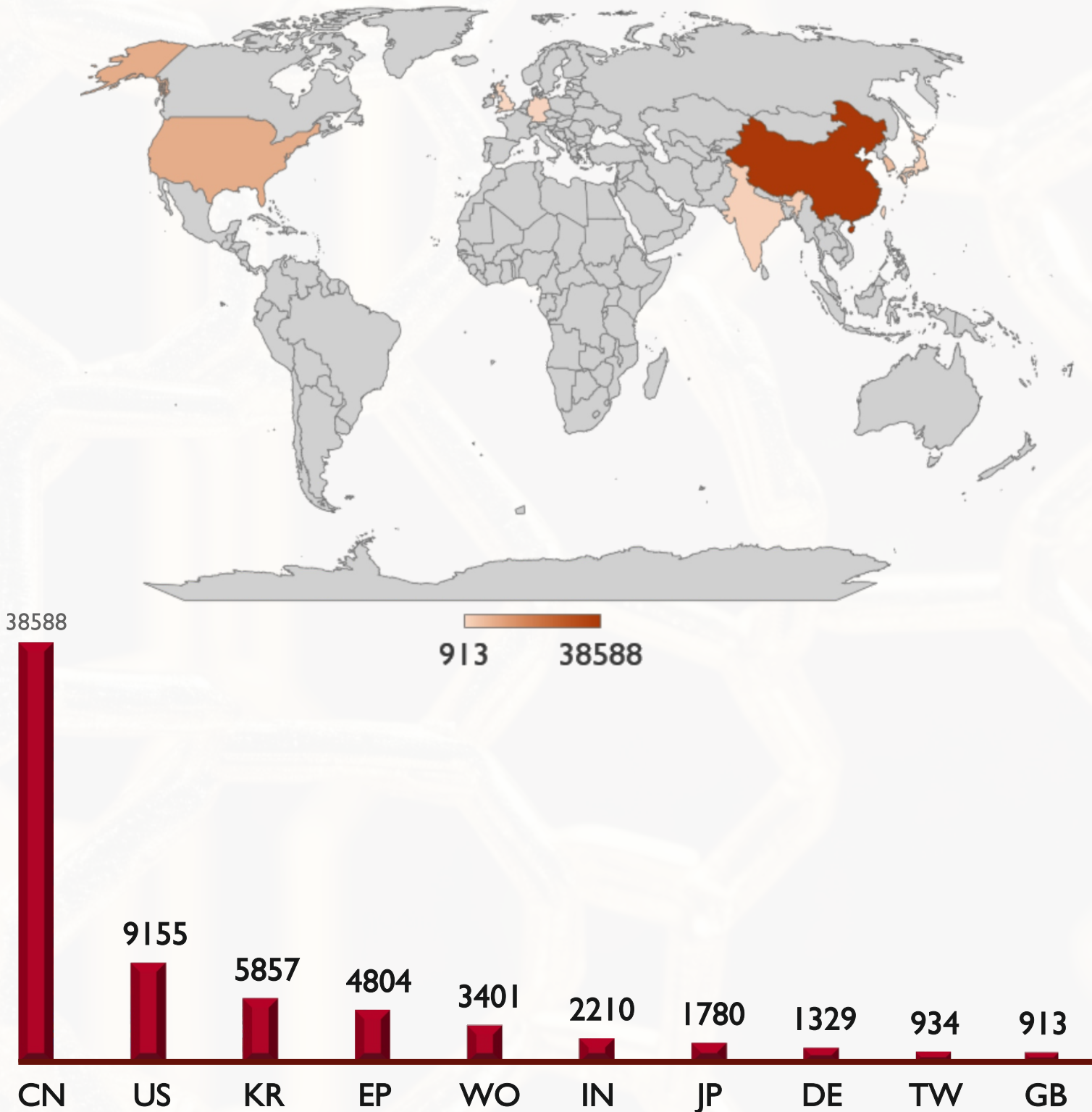
TOP APPLICANTS



Database: Questel, Orbit
Date Range: 2019-2023

PATENT LANDSCAPE

The following data represents number of patent filings by different countries related to blockchain technology.



Database: Questel, Orbit
Date Range: 2019-2023

NOTABLE INVENTIONS

Patent Application	Priority Date	Title	Assignee
AU2021100984	23.02.2021	Data Science in Supply Chain Analysis using Blockchain Technology	Balaji B, Saravana DR M S, Saleem Basha R, Mathiyalagan S T, Suganthi T N, Prabhu
Wo2022089198	29.10.2020	Blockchain For Artificial Intelligence Training	International Business Machines Corporation
WO2022047307	31.08.2020	Web-Based Personalized Health Management System	Usarad Holding Inc.
WO2022022928	30.07.2020	Blockchain Based Tax Mechanism	Nchain Licensing Ag
WO2021137879	03.01.2020	Method and System For Blockchain Accreditation Mechanism Based on Cybersecurity Risk	Saudi Arabian Oil Company
WO2019179538	11.07. 2019	Shared Blockchain Data Storage	Advanced New Technologies Co., Ltd.
WO2020257647	19.06.2019	Electronic Health Record Data Blockchain System and Process	Electronic Health Record Data, Inc.
WO2019217969	10.05.2019	Predicting Cyber Threats in a Federated Threat Intelligence Environment	Cybersight, Inc.
WO2020014399	10.07.2018	Decentralized Cyber Secure Privacy Network for Cloud Communication and Global E-Commerce	Listat Ltd.
WO2019125814	21.12.2017	Blockchain Based Information Security System and Method	Eland Blockchain Fintech Inc

WHITESPACE

BLOCKCHAIN MEDIATED ELECTION SYSTEM

Blockchain and Biometric Based
Protected Electoral Process

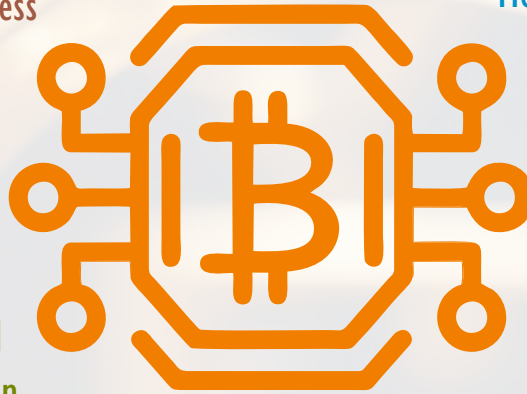
Blockchain and Aadhaar
Mediated Electronic Voting

Smart Voting System

Autonomous Remote
Electronic Voting System

Blockchain Using Artificial
Intelligence Identity Verification

Voting Fraud Prevention
Employing Blockchain



Vehicle Data Validation

Connected User Communication
and Interface System
Enabled by Blockchain

Hardware Appliance
Authentication

In-flight Parcels
Transfer

Smart Agriculture System

Blockchain System for
Tracking Vehicle Mileage

Open Source Decentralised
Data Record for
Simultaneous Multiple Access

Blockchain Enabled Candidate
Data Management for Interview

Blockchain
Registry Scaling

Photographic Aadhaar
Linked Birth Certificates

Database referred: WIPO Patentscope

If you would like to learn more about any of these areas or have specific questions, we're here to provide further information and insights. Our team is dedicated to driving progress and staying at the forefront of Blockchain Technology.

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