Saito

Intellectual Property

Intellectual Property

Saito provides elegant solutions to the biggest problems in blockchain engineering. The project has secured international protection for these ideas and the Saito public blockchain.

We intend to support those working with Saito project in offering private chains for customers who need scalable permissioned networks or independent tokens.

- cryptographic signatures on network layer

- automatic transaction rebroadcasting

- market-based rent

- golden ticket system

- dynamic work routing

- PAYSPLIT solution to 51% attack

- POWSPLIT solution to 100% attack

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Cryptographic Signatures on the Network Layer

The only theoretical way to measure "routing work", or identify which nodes are participating in a decentralized blockchain.

https://patents.google.com/patent/US10230530B2

Covers:

- using cryptographic signatures to identify which nodes in the peer-to-peer network routed or broadcast transactions

- validating these signatures as part of the process of block creation and validation

- allocating funds to nodes in the routing network

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Automatic Transaction Rebroadcasting

The only way to build a blockchain that will never collapse under its own weight.

https://patents.google.com/patent/US20190296915A1

Covers:

- pruning block data at regular intervals, but keeping a subset on-chain

- setting the cost of keeping data on-chain according to demand for space on the blockchain as measured by user fees

- any monetary policy that adjusts the token supply in response to the pruning of "dust" or any other tokens from the blockchain

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Golden Ticket System

A full solution to free riding in all POW and POS variant chains.

Covers:

- the only known solution to the 51 percent attack

- securely separates the production of the block from the distribution of block revenue, allowing payments to multiple classes of nodes

- an optional N-of-M voting system mechanism that allows users, block producers and security providers to push the system into an optimal security equilibrium

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POWSPLIT

Using proof-of-stake as a deadweight loss component within a system that uses a different cost function for block production.

Covers:

- the only known solution to the 100 percent attack, ensuring that attacking a blockchain is always expensive

- adjusting the distribution of revenue between POW and POS components to regulate security above the 100 percent mark

- keeps block production difficult (expensive) in the face of the collapse of Moore's Law, or commoditization in hashpower or capital markets

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Contact us to find out more or request an allocation:

✉ info@saito.tech

saito.tech