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(54) Title: TRANSACTION PRIVACY IN PUBLIC DISTRIBUTED LEDGER SYSTEMS

Immediate Node Network (INN):
Trust-based,
Private Identities/Transactions,
On-Chain Theft/Fraud/Loss Protection,
Immediate

Tier 2 Blockchains:
Trustless, Transparent,
Immutable, Pseudonymous,
Scalable

Tier 1 Blockchain:
Trustless, Transparent,
Immutable, Pseudonymous

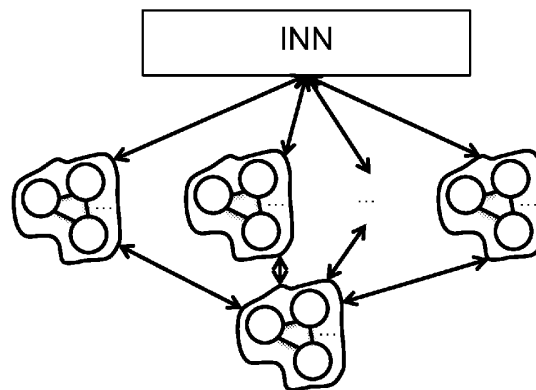


FIG. 1

(57) Abstract: Embodiments of the present invention provide methods of implementing a private but traceable primary transaction implementing a transfer of an asset from an originator to a recipient using a third party, using a distributed network of computers implementing a distributed ledger. The methods use a third party to accept a transaction request from an originator. The third party then separates the transaction into a plurality of secondary transactions, characterized by various steps to make reconstruction of the original transaction difficult. The secondary transactions are recorded on the distributed ledger, accomplishing the original transaction without having any single transaction on the publicly accessible distributed ledger that directly corresponds to the original transaction, any transactions.

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