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(54) Title: DATA EVIDENCE PRESERVATION METHOD AND SYSTEM BASED ON MULTIPLE BLOCKCHAIN NETWORKS

(54) 发明名称: 一种基于多个区块链网络的数据存证方法及系统

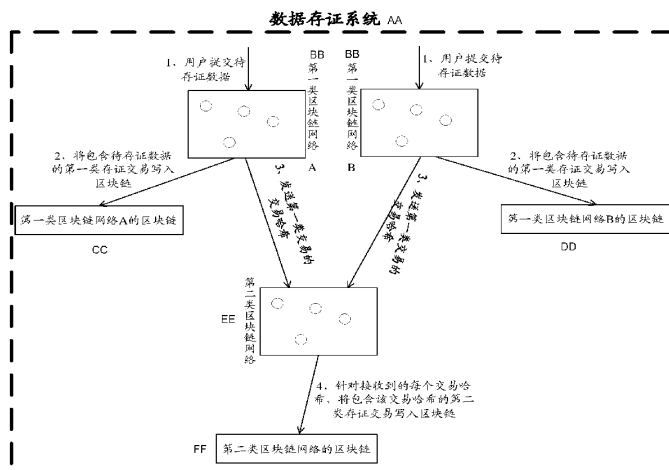


图 1

- | | |
|---|--|
| 1 A user submits data to be subjected to evidence preservation | AA Data evidence preservation system |
| 2 Write a first-type evidence preservation transaction including the data to be subjected to evidence preservation into a blockchain | BB First-type blockchain network |
| 3 Send a transaction hash of the first-type transaction | CC Blockchain of the first-type blockchain network A |
| 4 With regard to each received transaction hash, write a second-type evidence preservation transaction including the transaction hash into the blockchain | DD Blockchain of the first-type blockchain network B |
| | EE Second-type blockchain network |
| | FF Blockchain of the second-type blockchain network |

(57) Abstract: Disclosed are a data evidence preservation method and system based on multiple blockchain networks. The method comprises: mapping data subjected to evidence preservation by blockchains of at least two first-type blockchain networks to a blockchain of a second-type blockchain network, wherein specifically, with regard to any one first-type blockchain network, the first-type blockchain network sends a transaction hash of each constructed first-type evidence preservation transaction to the second-type blockchain network, and the second-type blockchain network constructs a second-type evidence preservation transaction on the basis of the received trans-

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action hash and writes same into the blockchain thereof. In this way, transaction hashes of first-type evidence preservation transactions stored in blockchains of first-type blockchain networks are further encapsulated as a second-type evidence preservation transaction and are summarized on a blockchain of the second-type blockchain network.

(57) 摘要: 一种基于多个区块链网络的数据存证方法及系统。将至少两个第一类区块链网络的区块链所存证的数据映射到第二类区块链网络的区块链中。具体地, 针对任一第一类区块链网络, 该第一类区块链网络将构建的每个第一类存证交易的交易哈希发送给第二类区块链网络, 由第二类区块链网络基于接收到的交易哈希构建第二类存证交易并写入自身的区块链。如此, 相当于将各第一类区块链网络的区块链上所存储的第一类存证交易的交易哈希进一步封装为第二类存证交易, 汇总于第二类区块链网络的区块链上。