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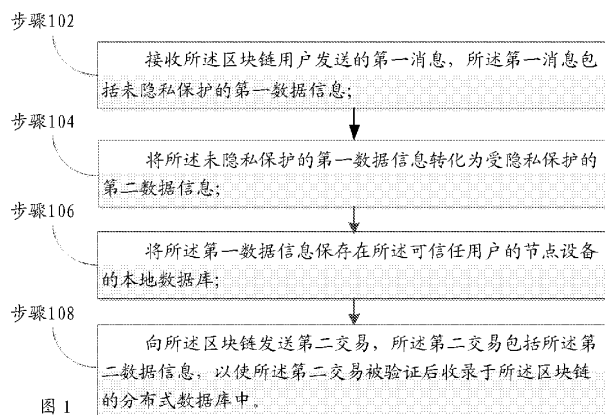
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(54) Title: BLOCKCHAIN-BASED PRIVATE TRANSACTIONS AND USAGE METHOD AND APPARATUS THEREFOR

(54) 发明名称: 基于区块链的隐私交易及其应用方法和装置



S102 Receive a first message sent by the blockchain user, the first message comprising first data information without privacy protection

S104 Convert the first data information without privacy protection into privacy protected second data information

S106 Store the first data information in a local database of the node device of the trusted user

S108 Send a second transaction to the block chain, the second transaction comprising the second data information, such that, after verification, the second transaction is incorporated in a distributed database of the blockchain

(57) Abstract: Provided in one or more of the embodiments of the present description are a blockchain-based private transaction method and apparatus and a private transaction usage method and apparatus, the blockchain-based private transaction method being used in a node device of a trusted user, and comprising: receiving a first message sent by the blockchain user, the first message comprising first data information without privacy protection; converting the first data information without privacy protection into privacy protected second data information; storing the first data information in a local database of the node device of the trusted user; and sending a second transaction to the blockchain, the second transaction comprising the second data information, such that, after verification, the

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WO 2020/088109 A1

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— 包括国际检索报告 (条约第21条(3))。

second transaction is incorporated in a distributed database of the blockchain.

(57) 摘要: 本说明书的一个或多个实施例提供了基于区块链的区块链的隐私交易方法、装置和隐私交易的应用方法、装置, 所述基于区块链的隐私交易方法, 应用于可信任用户的节点设备, 包括: 接收所述区块链用户发送的第一消息, 所述第一消息包括未隐私保护的第一数据信息; 将所述未隐私保护的第一数据信息转化为受隐私保护的所述第二数据信息; 将所述第一数据信息保存在所述可信任用户的节点设备的本地数据库; 向所述区块链发送第二交易, 所述第二交易包括所述第二数据信息, 以使所述第二交易被验证后收录于所述区块链的分布式数据库中。