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本国际公布:
— 包括国际检索报告(条约第 21 条(3))。

(54) Title: ASYNCHRONOUS BOOKKEEPING METHOD AND APPARATUS FOR BLOCKCHAIN, MEDIUM, AND ELECTRONIC DEVICE

(54) 发明名称: 区块链的异步落账方法、装置、介质及电子设备

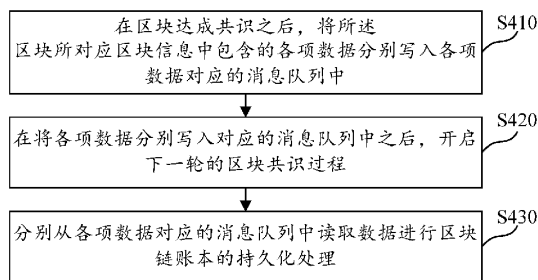


图 4

- S410 After a block reaches a consensus, respectively write pieces of data comprised in block information corresponding to the block into message queues corresponding to the pieces of data
- S420 Start the next round of block consensus process after the pieces of data are respectively written into the corresponding message queues
- S430 Respectively read data from the message queues corresponding to the pieces of data for persistence processing of a blockchain account book

(57) Abstract: Embodiments of the present application provide an asynchronous bookkeeping method and apparatus for blockchain, a medium, and an electronic device. The asynchronous bookkeeping method for blockchain comprises: after a block reaches a consensus, respectively writing pieces of data comprised in block information corresponding to the block into message queues corresponding to the pieces of data; starting the next round of block consensus process after the pieces of data are respectively written into the corresponding message queues; and respectively reading data from the message queues corresponding to the pieces of data for persistence processing of a blockchain account book. According to the technical solution in the embodiments of the present application, a bookkeeping delay of the block is reduced, asynchronous bookkeeping is implemented, the throughput of a blockchain network is improved, and thus the processing performance of the blockchain network is effectively improved.

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(57) 摘要：本申请的实施例提供了一种区块链的异步落账方法、装置、介质及电子设备。该区块链的异步落账方法包括：在区块达成共识之后，将区块所对应的区块信息中包含的各项数据分别写入所述各项数据对应的消息队列中；在将所述各项数据分别写入对应的消息队列中之后，开启下一轮的区块共识过程；分别从所述各项数据对应的消息队列中读取数据进行区块链账本的持久化处理。本申请实施例的技术方案降低了区块的落账延迟，并且实现了异步落账，提高了区块链网络的吞吐量，进而有效提升了区块链网络的处理性能。