

说明书摘要

Embodiments of this specification disclose a blockchain-based user balance query method and a computer system. The method specifically includes: querying balance information and balance storage time information of a virtual currency of a user in a blockchain network from a storage node based on an obtained balance query request; determining a time interval between a time corresponding to the balance storage time information and a current time based on the balance storage time information; and returning the balance information in the storage node to the user if it is determined that the time interval is not greater than a preset storage time threshold. According to the method, a query speed at which the user queries the balance information is effectively improved, experience of querying information by the user is improved, network load of the blockchain network is reduced to a certain extent, and transaction execution efficiency in a transaction scenario in the blockchain network is improved.

本说明书实施例公开了一种基于区块链的用户余额查询方法及计算机系统，具体包括：根据获取到的余额查询请求，从存储节点中查询出用户在区块链网络中虚拟货币的余额信息和余额存储时间信息。然后，根据余额存储时间信息，确定余额存储时间信息对应的时间与当前时间的时间间隔，若确定时间间隔不大于预设的存储时间阈值，则将存储节点中的余额信息返回给用户。此方法有效提高了用户查询余额信息时的查询速度，提升用户进行信息查询时的体验，并且一定程度上减轻了区块链网络的网络负载，提高了区块链网络中交易场景中的交易执行效率。

(FIG. 2)