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(54) Title: TRANSACTION METHOD AND SYSTEM BASED ON CENTRALIZED SETTLEMENT AND BLOCK CHAIN STORAGE

(54) 发明名称: 一种基于中心化结算与区块链存证的交易方法及系统

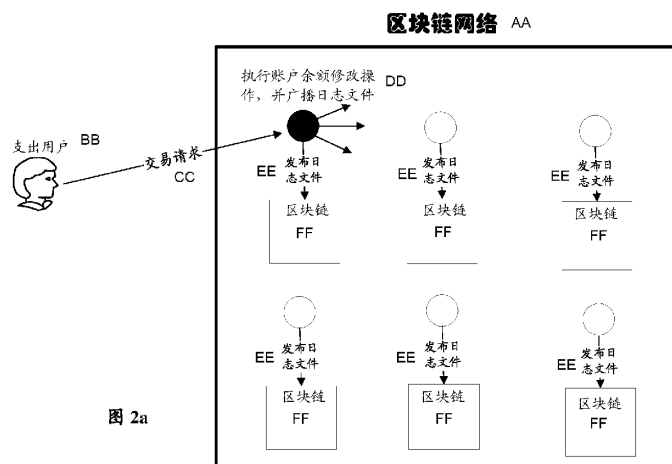


图 2a

AA BLOCK CHAIN NETWORK
BB PAYMENT USER
CC TRANSACTION REQUEST
DD PERFORM AN ACCOUNT BALANCE MODIFICATION OPERATION AND BROADCAST A LOG FILE
EE RELEASE THE LOG FILE
FF BLOCK CHAIN

(57) Abstract: Disclosed are a transaction method and system based on centralized settlement and block chain storage. A block chain network comprises a plurality of member nodes, and a user registers a virtual resource account on a designated member node. When a designated member node receives a transaction request, transaction feasibility verification is carried out for the transaction request; after the request passes the verification, an account balance modification operation is carried out, wherein a designated resource amount is deducted from a virtual resource account corresponding to a payment user identifier, and the designated resource amount is added to

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a virtual resource account corresponding to a recipient user identifier. In addition, the designated member node generates a log file used for recording the account balance modification operation, and broadcasts the log file to the block chain network, so that each member node releases the log file to the block chain on the basis of a consensus mechanism.

(57) 摘要: 公开了一种基于中心化结算与区块链存证的交易方法及系统。区块链网络包括若干成员节点, 用户在指定成员节点上注册有虚拟资源账户。所述指定成员节点当接收到交易请求时, 针对交易请求进行交易可行性验证, 并于验证通过后, 执行账户余额修改操作, 即从所述支出用户标识对应的虚拟资源账户中扣除所述指定资源数额, 并向所述收入用户标识对应的虚拟资源账户中增加所述指定资源数额。并且, 所述指定成员节点还会生成用于记录所述账户余额修改操作的日志文件, 将所述日志文件广播至所述区块链网络, 使得各成员节点基于共识机制将所述日志文件发布至区块链。