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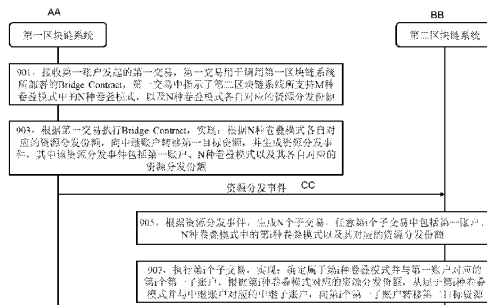
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(54) Title: RESOURCE MANAGEMENT METHODS FOR BLOCKCHAIN SYSTEM, AND BLOCKCHAIN NODE AND BLOCKCHAIN SYSTEM

(54) 发明名称: 区块链系统的资源管理方法、区块链节点和区块链系统



901 Receive a first transaction initiated by a first account, wherein the first transaction is used for calling a bridge contract deployed in the first blockchain system, and the first transaction indicates N rollup modes among M rollup modes supported by the second blockchain system, and resource distribution shares respectively corresponding to the N rollup modes

903 Execute the bridge contract on the basis of the first transaction, so as to: transfer a first target resource to the bridge account on the basis of the resource distribution shares respectively corresponding to the N rollup modes, and generate a resource distribution event, wherein the resource distribution event comprises the first account, the N rollup modes and the resource distribution shares respectively corresponding thereto

905 Generate N sub-transactions on the basis of the resource distribution event, wherein any ith sub-transaction comprises the first account, an ith rollup mode among the N rollup modes, and a resource distribution share corresponding to the ith rollup mode

907 Execute the ith sub-transaction, so as to: determine an ith first sub-account which belongs to the ith rollup mode and corresponds to the first account, and, on the basis of the resource distribution share corresponding to the ith rollup mode, transfer to the ith first sub-account a second target resource from a bridge sub-account, which belongs to the ith rollup mode and corresponds to the bridge account

AA First blockchain system
BB Second blockchain system
CC Resource distribution event

图 9

(57) Abstract: Provided in the description are resource management methods for a blockchain system. A resource management method comprises: a first blockchain system receiving a first transaction initiated by a first account, wherein the first transaction is used for calling a bridge contract, and the first transaction indicates N rollup modes and resource distribution shares respectively corresponding thereto; the first blockchain system executing the bridge contract on the basis of the first transaction, so as to: generate a resource distribution event, which comprises the first account, the N rollup modes and the resource distribution shares respectively corresponding thereto; a second blockchain system generating N sub-transactions on the basis of the resource distribution event, wherein an ith sub-transaction comprises the first account, an ith rollup mode among the N rollup modes, and a resource distribution share corresponding to the ith rollup mode; and the second blockchain system executing the ith sub-transaction, so as to: determine an ith first sub-account which belongs to the ith rollup mode and corresponds to the first account, and transfer a second target resource to the ith first sub-account on the basis of the resource distribution share corresponding to the ith rollup mode.

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SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ,
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TD, TG)。

本国际公布:
— 包括国际检索报告(条约第21条(3))。

(57) 摘要: 本说明书提供了一种区块链系统的资源管理方法，包括：第一区块链系统接收由第一账户发起的第一交易，第一交易用于调用中继合约，第一交易中指示N种卷叠模式及其各自对应的资源分发份额；第一区块链系统根据第一交易执行中继合约，实现：生成资源分发事件，其中包括第一账户、N种卷叠模式以及其各自对应的资源分发份额；第二区块链系统根据资源分发事件，生成N个子交易，第i个子交易中包括第一账户、N种卷叠模式中的第i种卷叠模式以及其对应的资源分发份额；第二区块链系统执行第i个子交易，实现：确定属于第i种卷叠模式并与第一账户对应的第i个第一子账户，根据第i种卷叠模式对应的资源分发份额，向第i个第一子账户转移第二目标资源。