

CLAIMS

What is claimed is:

1. A method for adjusting a blockchain balance, the method comprising:
 querying, by a node of a blockchain network, a blockchain balance deposited on at least
5 one anchor point in a blockchain that is maintained by the blockchain network and changes caused
by transactions submitted by one or more other nodes of the blockchain network;
 obtaining historical change data from a blockchain ledger stored by the blockchain network;
 adjusting a predetermined change threshold based on the historical change data to provide
an adjusted predetermined change threshold;
10 determining, by the node of the blockchain network, that the queried blockchain balance
reaches the adjusted predetermined change threshold; and
 initiating, by the node of the blockchain network, a balance adjusting contract operation
when the queried blockchain balance reaches the adjusted predetermined change threshold, so that
a changed amount of the queried blockchain balance is less than the adjusted predetermined
15 change threshold.
2. The method according to claim 1, wherein querying, by a node of the blockchain network,
a blockchain balance deposited on at least one anchor point in a blockchain comprises:
 initiating, by the node of the blockchain network, a balance querying contract operation to
20 query the blockchain balance deposited on the at least one anchor point in the blockchain by the
node of the blockchain network.
3. The method according to claim 1, wherein the blockchain ledger records information about
transactions between nodes of the blockchain network, and the changed amount is determined
25 based on information about transactions recorded in the blockchain ledger and between the node
of the blockchain network and the one or more other nodes of the blockchain network.
4. The method according to claim 1, wherein the changed amount comprises a net changed
amount formed by transactions between the node of the blockchain network and the one or more
30 other nodes of the blockchain network.

5. The method according to claim 1, wherein querying, by a node of the blockchain network, a blockchain balance deposited on at least one anchor point in a blockchain comprises:

querying, by the node of the blockchain network, the blockchain balance deposited on the at least one anchor point in the blockchain at a beginning or end of each settlement cycle agreed by all nodes in the blockchain network.

6. The method according to claim 1, wherein after the balance adjusting contract operation takes effect, the blockchain balance deposited on the at least one anchor point is adjusted so the changed amount is 0.

7. The method according to claim 1, further comprising:
adjusting, by the at least one member, the predetermined change threshold based on predicted data of transactions between nodes in the blockchain network.

8. The method according to claim 1, wherein initiating, by the node of the blockchain network, a balance adjusting contract operation when the queried blockchain balance reaches the adjusted predetermined change threshold comprises:

adjusting, by the node of the blockchain network based on the balance adjusting contract operation, blockchain balances deposited on a plurality of anchor points by the node of the blockchain network when the node of the blockchain network separately deposits a blockchain balance on the plurality of anchor points in the blockchain.

9. The method according to claim 1, wherein initiating, by the node of the blockchain network, a balance adjusting contract operation when the queried blockchain balance reaches the adjusted predetermined change threshold comprises:

adjusting, by the node of the blockchain network based on the balance adjusting contract operation, an account owned by the node of the blockchain network and the blockchain balance deposited on the at least one anchor point.

10. The method according to claim 1, wherein after the balance adjusting contract operation takes effect, the at least one anchor point is instructed to adjust, based on a credit for the node of

the blockchain network, the blockchain balance deposited on the at least one anchor point by the node of the blockchain network.

5 11. The method according to claim 1, wherein the blockchain balance deposited on the at least one anchor point by the node of the blockchain network is different from a specified amount.

12. The method according to claim 11, wherein the balance adjusting contract operation comprises adjusting the blockchain balance deposited on the at least one anchor point by the node of the blockchain network to the specified amount.

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13. The method according to claim 11, wherein the specified amount is determined through analysis by the node of the blockchain network based on at least one of the following data: historical change data of the blockchain balance deposited on the at least one anchor point by the node of the blockchain network and predicted data of transactions between nodes in the blockchain network.

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14. A device for adjusting a blockchain balance, the device comprising a plurality of modules configured to perform the method of any one of claims 1 to 13.