

CLAIMS

1. A method for electing a representative node device, performed by a first node device, the first node device being any node device in a blockchain system, the method comprising:

broadcasting candidate newly addition transaction data, the candidate newly addition transaction data including credential data, the credential data indicating that the first node device meets a qualification requirement for a candidate node device;

storing the candidate newly addition transaction data on a target blockchain of the blockchain system upon a plurality of node devices in the blockchain system achieving consensus on the candidate newly addition transaction data; and

performing an election process of a representative node device based on the candidate newly addition transaction data stored on the target blockchain.

2. The method according to claim 1, wherein the credential data comprises signature data of a plurality of auditing users.

3. The method according to claim 1 or 2, wherein before the broadcasting candidate newly addition transaction data, the method further comprises:

transmitting a candidate application request to a target server, the candidate application request including qualification information of the first node device.

4. The method according to claim 3, wherein the target server is any node device in the blockchain system; or

the target server is a server of a third party organization associated with the blockchain system.

5. The method according to any one of claims 1 to 4, wherein the first node device meeting a qualification requirement for a candidate node device comprises at least one of the following: device performance of the first node device meeting a preset performance condition, the first node device having paid a preset amount of deposit, and credit of a user corresponding to the first node device meeting a preset credit condition.

6. The method according to any one of claims 1 to 5, wherein the plurality of node devices in the blockchain system achieving consensus on the candidate newly addition transaction data is characterized in that a plurality of representative node devices in the blockchain system achieving consensus on the candidate newly addition transaction data.

7. The method according to any one of claims 1 to 6, wherein after the storing the candidate newly addition transaction data on a target blockchain of the blockchain system, the method further comprises:

5 receiving candidate deletion transaction data, wherein the candidate deletion transaction data is data for indicating deleting a second target node device from the candidate node devices; and

storing the candidate deletion transaction data on the target blockchain of the blockchain system when the plurality of node devices in the blockchain system achieves consensus on the candidate deletion transaction data.

10 8. The method according to claim 7, wherein after the storing the candidate deletion transaction data on the target blockchain of the blockchain system, the method further comprises:

receiving target transaction data, wherein the target transaction data is data for refunding a deposit to an account of the second target node device.

15 9. A node device in a blockchain system, the node device performs the method according to any one of claims 1 to 8.

10. A computer program for causing a node device in a blockchain system to perform the method according to any one of claims 1 to 8.