

CLAIMS

1. A method for processing blockchain-based data, the method comprising:

receiving, by a blockchain node, transaction data and formatted information corresponding to the transaction data, wherein the blockchain node is a node in a blockchain network;

5 processing, by the blockchain node, the transaction data based on the formatted information, wherein the processing comprises broadcasting, by the blockchain node, the formatted information and the transaction data, so that another blockchain node in the blockchain network performs consensus processing on the transaction data based on the formatted information;

10 determining, by the blockchain node and based on a transaction type corresponding to the transaction data and a predetermined relationship between the transaction type and a processing policy, the processing policy corresponding to the transaction data, wherein the processing policy comprises a data attribute used for conversion and a conversion rule corresponding to the data attribute;

15 converting, by the blockchain node, the formatted information into a first attribute value based on the conversion rule comprised in the processing policy;

determining the data attribute corresponding to the first attribute value; and

20 verifying, by the blockchain node, the transaction data by comparing the first attribute value and a second attribute value of the data attribute in the transaction data, wherein if the first attribute value and the second attribute value are identical, the transaction data is determined to pass a verification.

2. The method according to claim 1, further comprising:

determining, by the blockchain node and for the transaction data, the transaction type corresponding to the transaction data.

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3. The method according to claim 1, further comprising:

determining a transaction feature of the transaction type;

selecting, from particular transaction data of the transaction type, at least one data attribute that represents the transaction feature;

generating, based on the at least one data attribute and a particular conversion rule configured for the at least one data attribute, the processing policy corresponding to the transaction type; and establishing the predetermined relationship between the transaction type and the processing policy.

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4. The method according to claim 1, wherein before processing, by the blockchain node, the transaction data based on the formatted information, the method further comprises:

in response to determining that more than one data attribute is comprised in the processing policy, obtaining a plurality of pieces of formatted information corresponding to the more than one data attribute; and

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sorting, by the blockchain node, the plurality of pieces of formatted information based on a sorting rule comprised in the processing policy.

5. The method according to claim 1, wherein processing, by the blockchain node, the transaction data based on the formatted information comprises:

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encrypting, by the blockchain node, the formatted information to obtain an encryption result; and

sending the encryption result and the transaction data to another blockchain node in the blockchain network, to perform the consensus processing on the transaction data.

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6. The method according to claim 1, further comprising:

performing, by the blockchain node, an operation on the first attribute value based on a conversion algorithm comprised in the processing policy, to obtain a string corresponding to the first attribute value.

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7. The method according to claim 1, wherein when the blockchain node receives the transaction data, the method further comprises:

receiving, by the blockchain node, the predetermined relationship between the transaction type and the processing policy that is sent by another blockchain node that processes the transaction data.

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8. The method according to claim 1, wherein the formatted information is associated with a sorting sequence included in the processing policy.

9. A device for processing blockchain-based data, the device comprising a plurality of
5 modules configured to perform the method of any one of claims 1 to 8.