

CLAIMS

1. A method for service data processing, the method comprising:

retrieving service data that is to be processed (S1);

5 generating, by using a predetermined method, fingerprint data of the service data that is to be processed (S1);

writing the fingerprint data to a blockchain corresponding to the service data that is to be processed (S2);

10 determining whether at least one piece of a key element data is absent from the service data that is to be processed;

in response to determining that at least one piece of the key element data is absent from the service data that is to be processed, determining a default value of the key element data that is absent based on a service type of the service data; and

15 generating blockchain copy data of the service data that is to be processed in the blockchain by using the default value as a value of the key element data, wherein the blockchain copy data stores fingerprint data in blockchain copy data of a previous adjacent node (S2).

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

20 extracting the key element data of a predetermined type from the service data that is to be processed; and

correspondingly, generating, by using a predetermined method, fingerprint data of the service data that is to be processed comprises: processing the extracted key element data by using the predetermined method, to generate the fingerprint data of the service data that is to be processed.

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3. The method according to claim 1 or 2, wherein generating the fingerprint data comprises a process configured to be unidirectional and irreversible.

4. The method according to claim 1, wherein generating, by using the predetermined
30 method, the fingerprint data of the service data that is to be processed comprises:

performing hash processing on the service data that is to be processed, and using a hash

value generated through the hash processing as the fingerprint data of the service data that is to be processed.

5 5. The method according to claim 4, wherein the predetermined method comprises a customized hash method.

6. The method according to claim 1, wherein writing the fingerprint data to the blockchain corresponding to the service data that is to be processed comprises:

10 writing, by using an asynchronous method, the fingerprint data to the blockchain corresponding to the service data that is to be processed.

7. The method according to claim 1, wherein the service data comprising accounting.

15 8. The method according to claim 1, further comprising:
retrieving second fingerprint data in the blockchain copy data that is corresponding to the service data that is to be verified; and

determining, through comparison, whether the first fingerprint data is the same as the second fingerprint data, and determining that the service data that is to be verified is not modified if the first fingerprint data is the same as the second fingerprint data.

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9. An apparatus for service data processing, the apparatus comprising a plurality of modules configured to perform the method of any one of claims 1 to 8.