

CLAIMS

1. A method for blockchain consensus, the method comprising:

receiving, by a node in a blockchain, service data;

5 determining a handling time of the service data;

storing, by the node, the service data that comprises the handling time;

in response to determining that consensus needs to be performed on service data, selecting,

by the node based on the handling time, the service data on which consensus is to be performed;

and

10 performing consensus on the service data on which consensus is to be performed.
2. The method according to claim 1, wherein determining the handling time of the service data comprises:

determining a time at which the service data is received, and determining the time as the

15 handling time of the service data; or

processing the service data at a time at which the service data is received, to obtain a processing result, and determining a generation time of the processing result as the handling time of the service data.
- 20 3. The method according to claim 1, wherein after determining the handling time of the service data, wherein the method further comprises:

broadcasting the service data that comprises the handling time to another node in the blockchain.
- 25 4. The method according to claim 1, wherein receiving, by the node, service data and determining the handling time of the service data comprises:

receiving, by the node in a broadcast way, service data sent by another node in the blockchain; and

determining, by the node, the handling time comprised in the service data as the handling

time of the service data.

5. The method according to claim 1, wherein selecting, by the node based on the handling time, the service data on which consensus is to be performed comprises:

5 selecting, based on a time sequence of handling times, the service data on which consensus is to be performed and that satisfies a block capacity of a block in which the service data is to be stored.

6. The method according to claim 1, wherein the node comprises: a service node or a
10 consensus node.

7. The method according to claim 1, wherein the service data comprises at least one of a service attribute, a service identifier, a version identifier, a public key, a signature, a service information, and a block identifier.

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8. The method according to claim 1, wherein the handling time comprises a timestamp corresponding to a local time of the node when the node receives a request to process the service data.

9. An apparatus for blockchain consensus, the apparatus comprising a plurality of modules
20 configured to perform the method of any one of claims 1 to 8.