

BLOCKCHAIN-BASED CONSENSUS METHOD AND DEVICE

ABSTRACT

Implementations of the present application disclose a blockchain-based
5 consensus method and device. One blockchain node includes a first server, a second
server, and at least one database. The method includes: storing, by the database,
consensus data needed for performing a consensus procedure, where the consensus
data is invoked by the first server and the second server during the consensus
procedure; obtaining, by the second server in place of the first server, consensus data
10 from the database, and executing the consensus procedure based on the consensus
data to generate a consensus result, in response to determining that the first server is
faulty before the consensus procedure or during the consensus procedure; and storing,
by the second server, the consensus result in the database. According to the
implementations of the present application, a normal server in a node can obtain, in
15 place of a faulty server, consensus data from a database to execute the consensus
procedure. It ensures normal execution of the consensus procedure, and can improve a
success rate of a consensus procedure to a certain extent, thereby improving service
processing efficiency of a blockchain.

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FIG. 2b