

METHOD, APPARATUS AND ELECTRONIC DEVICE FOR BLOCKCHAIN-BASED TRANSACTION CONSENSUS PROCESSING

ABSTRACT

5 A method for blockchain-based transaction consensus processing is provided. Node devices in a blockchain include at least one primary node device and several secondary node devices, the primary node device fragments proposed transaction data into a specified number of data fragments based on an erasure code algorithm, and the method includes: receiving a data fragment of the transaction data that is sent by the
10 primary node device in a unicast mode, where respective data fragments sent by the primary node device to individual node devices in a unicast mode are different from one another; broadcasting the received data fragment to other node devices in the blockchain, and receiving data fragments of the transaction data that are broadcast by the other node devices; determining whether the number of received data fragments of
15 the transaction data reaches an erasure code recovery threshold; and if so, performing data recovery on the received data fragments based on an erasure code reconstruction algorithm to obtain original content of the transaction data, to complete consensus processing with respect to the original content of the transaction data.

20 [FIG .1]