

BLOCKCHAIN TRANSACTION PROCESSING METHOD, SYSTEM, MEDIUM, AND DEVICE

ABSTRACT

The present application relates to the technical field of blockchains, and in particular relates to a blockchain transaction processing method, a system, a medium, and a device. The method comprises: on the basis of a voting transaction of a roll-up contract initiated by all nodes in a consortium blockchain system, the consortium blockchain system is in a roll-up mode; after executing each layer 2 network transaction indicated by the roll-up contract, a first node packages each layer 2 network transaction into a plurality of layer 2 network transaction batch packets, and uploads the layer 2 network transaction batch packets to the consortium blockchain system, the first node being any node in the consortium blockchain system, and the first node being determined as an executor of a layer 2 network by means of a mechanism of the roll-up contract in the consortium blockchain system; and when it is determined that a state corresponding to a layer 2 network transaction batch packet is invalid, a second node initiates a dispute resolution transaction for the layer 2 network transaction batch packet, the second node being at least one node other than the first node in the consortium blockchain system and being used as a node of an observer. In this way, it is ensured that a layer 2 roll-up network is safer, finally improving the overall transaction processing efficiency of the consortium blockchain system.

FIGURE 6