

CONSENSUS METHODS AND SYSTEMS IN CONSORTIUM BLOCKCHAIN

ABSTRACT

The present specification discloses a consensus method and system in a consortium blockchain, where the method includes: broadcasting, by a first consensus node, a ViewChange message in a consensus network when the first consensus node in the consensus network of the consortium blockchain does not complete a consensus operation on the target consensus data within a predetermined time period; receiving, by the first consensus primary node in the consensus network, the ViewChange message broadcast by the consensus node in the consensus network; constructing, by the first consensus primary node, a NewView message based on ECHO messages and signatures in N-f verified ViewChange messages when the first consensus primary node determines that the N-f verified ViewChange messages are received, and broadcasting the constructed NewView message to the consensus network to change a view of the consensus network to a target view; and broadcasting, by a second consensus node, the ECHO message for the target consensus data in the consensus network when the second consensus node that receives the NewView message determines that the present consensus node has an ECHO message corresponding to the target consensus data.

FIG. 2