

MESSAGE TRANSMISSION METHODS AND APPARATUSES

ABSTRACT

This specification provides a message transmission method and apparatus, applicable to a relay node in a blockchain relay communication network. The method can include: receiving digital a certificate sent by each blockchain node, the digital certificate includes identity information of the corresponding blockchain node and network identifier information of a blockchain network to which the blockchain node belongs; performing signature verification for the digital certificate by using a public key of a certification authority (CA) issuing the digital certificate, and associatively recording a mapping relationship between identity information of the blockchain node and corresponding network identifier information in a case that the signature verification succeeds; determining, in a case that a blockchain message sent by any blockchain node is received, receiver identity information of the blockchain message and target network identifier information of the any blockchain node, and determining, according to the mapping relationship, a target blockchain node matching the target network identifier information and the receiver identity information; and transmitting the blockchain message to the target blockchain node.

FIG. 3