

CROSS-BLOCKCHAIN INTERACTION SYSTEMS

ABSTRACT

One or more embodiments of the present specification provide a cross-blockchain interaction system, including: one or more anchors, where when any anchor is selected by a first blockchain, the any anchor is configured with a client device of the first blockchain so as to monitor a cross-blockchain request on the first blockchain; and one or more relays, where when any relay is selected by a second blockchain, the any relay is configured with a client device of the second blockchain; and when a request object of the cross-blockchain request is the second blockchain, the any relay initiates a request to the second blockchain based on the cross-blockchain request and receives response data and a blockchain attestation that are returned by the second blockchain, so that the any relay verifies the response data based on the blockchain attestation and the any relay generates a corresponding relay attestation based on a configured trusted attestation conversion technology after the verification is passed, so that the response data and the relay attestation are returned to the first blockchain through the any anchor.

FIG. 5