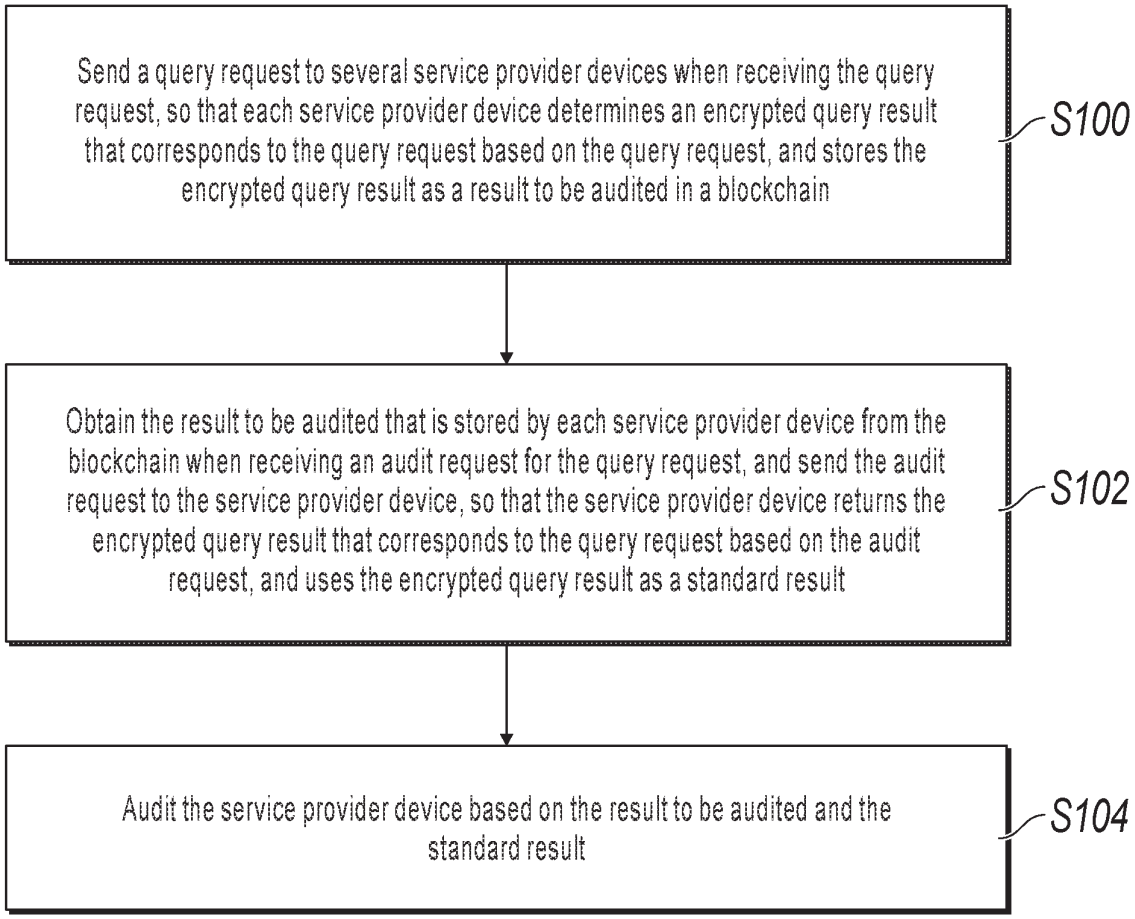

Send a query request to several service provider devices when receiving the query request, so that each service provider device determines an encrypted query result that corresponds to the query request based on the query request, and stores the encrypted query result as a result to be audited in a blockchain
S100
Obtain the result to be audited that is stored by each service provider device from the blockchain when receiving an audit request for the query request, and send the audit request to the service provider device, so that the service provider device returns the encrypted query result that corresponds to the query request based on the audit request, and uses the encrypted query result as a standard result
S102
Audit the service provider device based on the result to be audited and the standard result
S104

FIG. 1

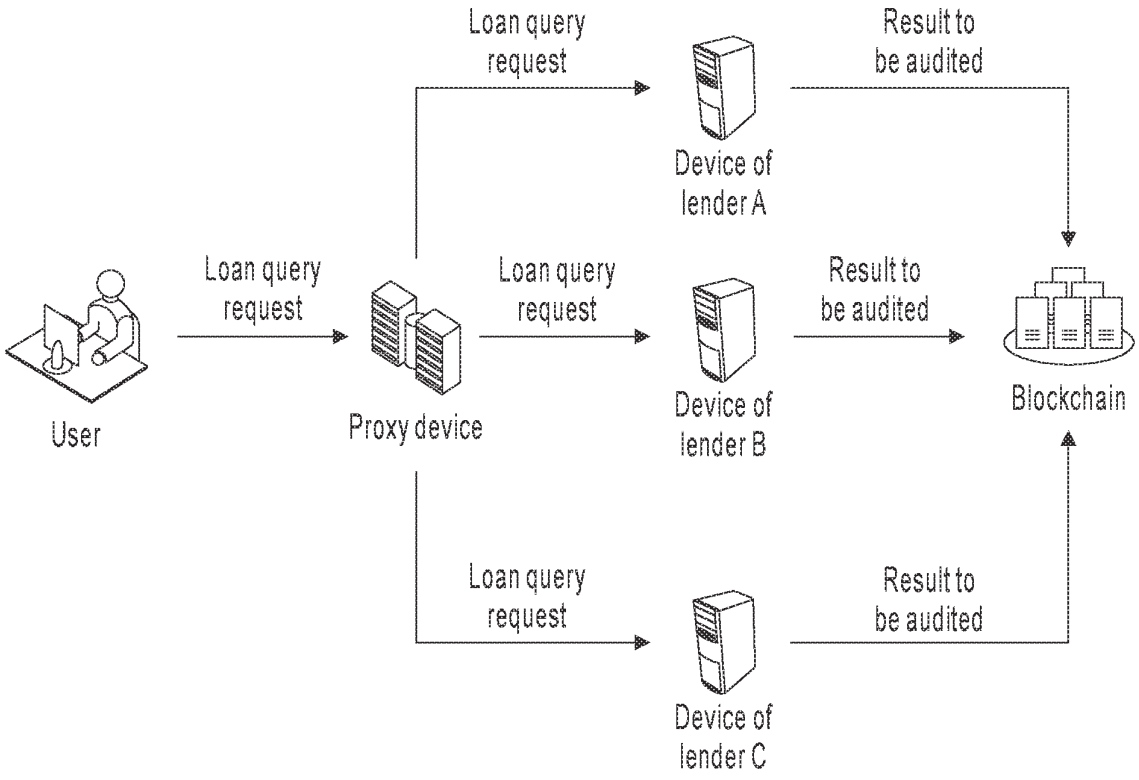

Loan query request
Result to be audited
Device of lender A
Loan query request
Loan query request
Result to be audited
User
Proxy device
Device of lender B
Blockchain
Loan query request
Result to be audited
Device of lender C

FIG. 2a

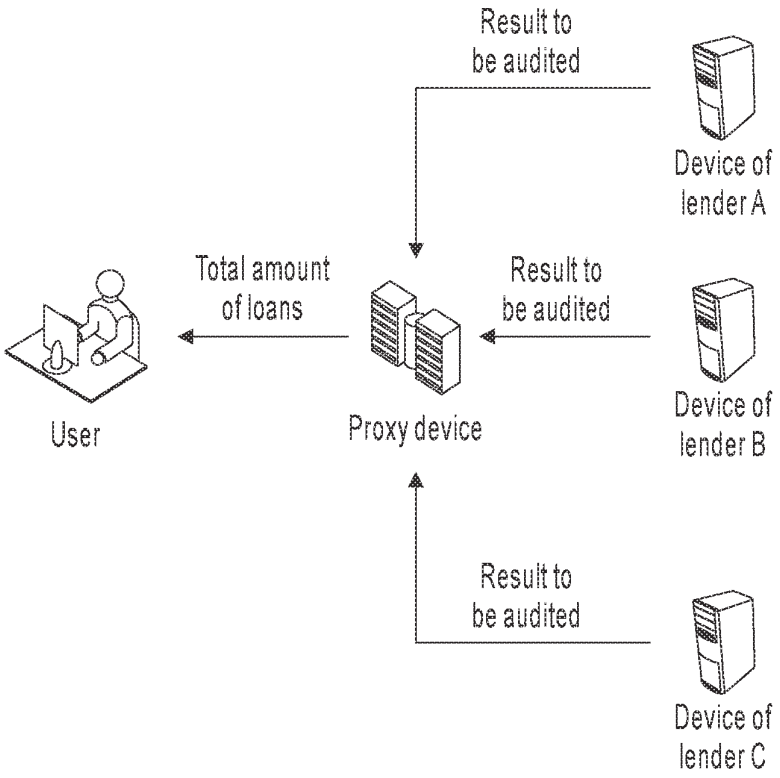

Result to be audited
Device of lender A
Total amount of loans
Result to be audited
User
Proxy device
Device of lender B
Result to be audited
Device of lender C

FIG. 2b

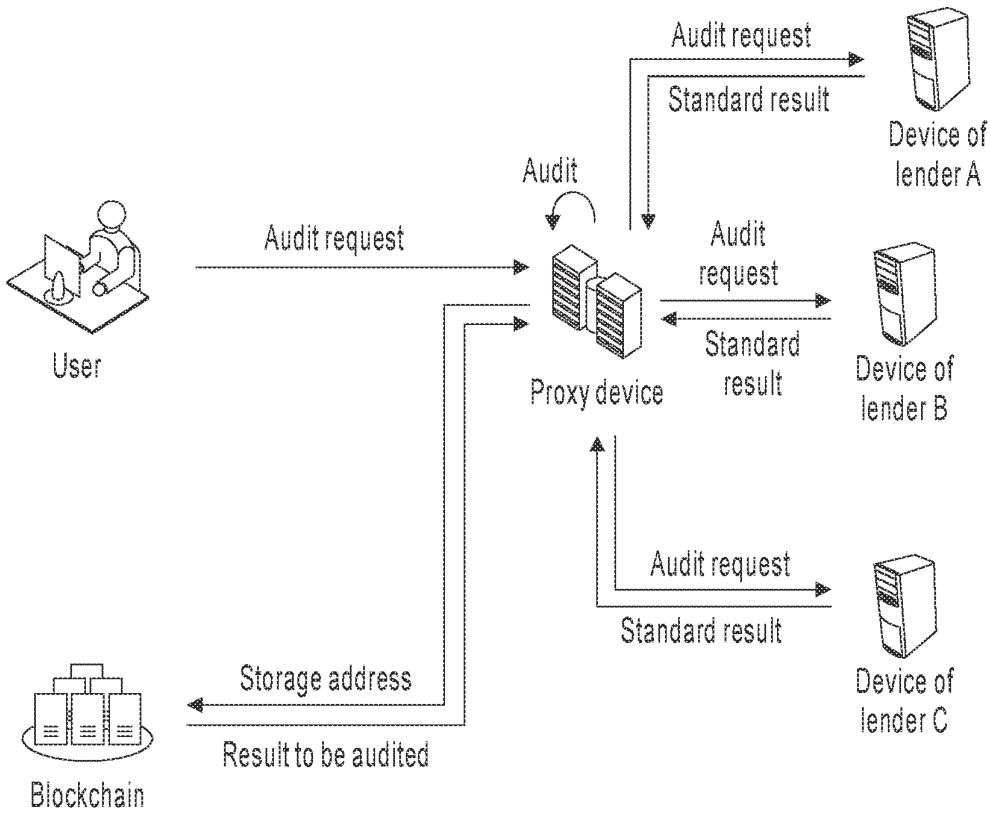

Audit request
Standard result
Device of lender A
Audit
Audit request
Audit request
Standard result
User
Proxy device
Device of lender B
Audit request
Standard result
Device of lender C
Storage address
Result to be audited
Blockchain

FIG. 2c

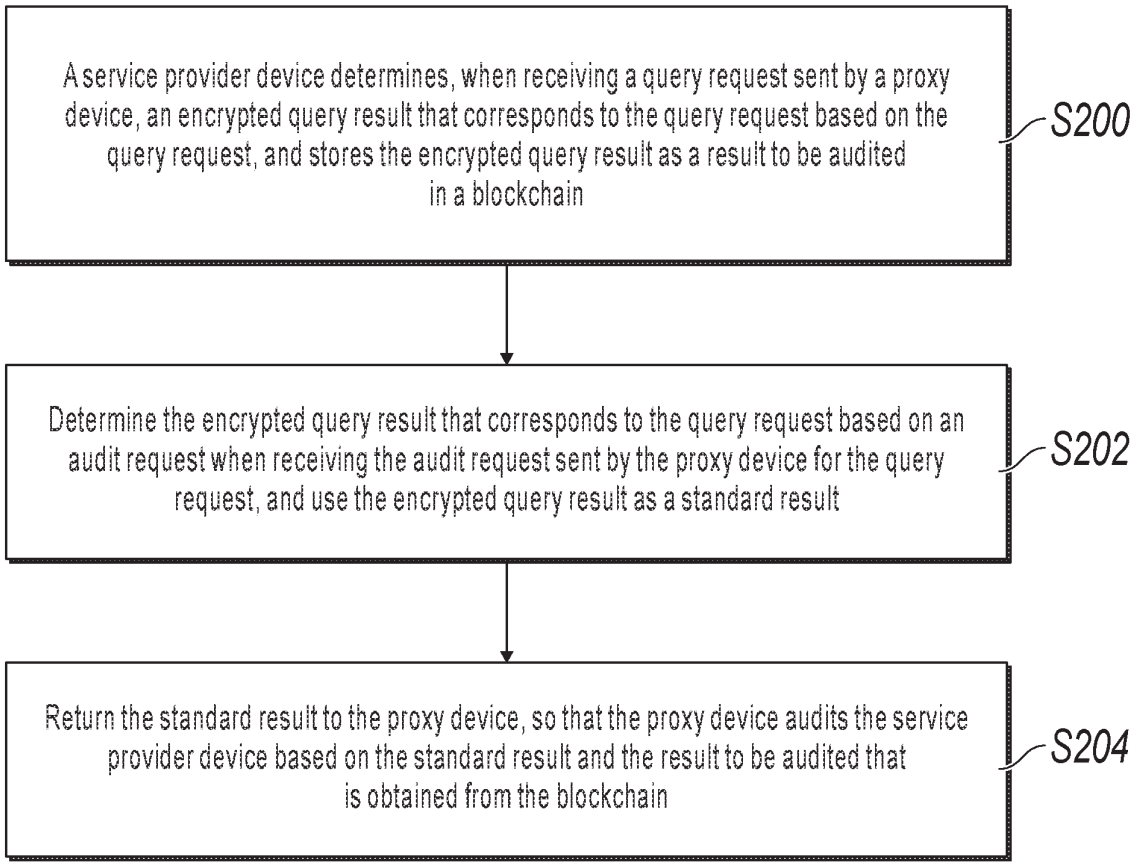

A service provider device determines, when receiving a query request sent by a proxy device, an encrypted query result that corresponds to the query request based on the query request, and stores the encrypted query result as a result to be audited in a blockchain
S200
Determine the encrypted query result that corresponds to the query request based on an audit request when receiving the audit request sent by the proxy device for the query request, and use the encrypted query result as a standard result
S202
Return the standard result to the proxy device, so that the proxy device audits the service provider device based on the standard result and the result to be audited that is obtained from the blockchain
S204

FIG. 3

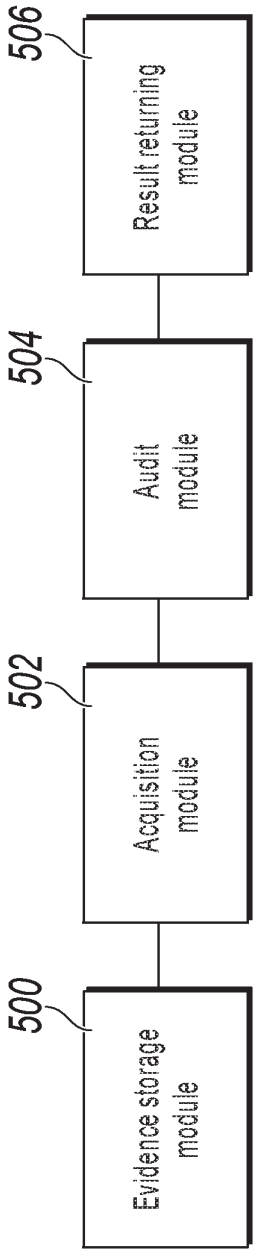

500
Evidence storage module
502
Acquisition module
504
Audit module
506
Result returning module

FIG. 4

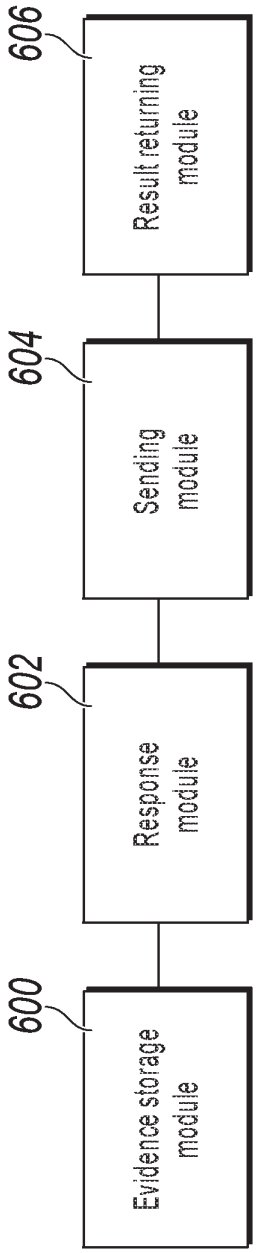

606
Result returning module
604
Sending module
602
Response module
600
Evidence storage module

FIG. 5

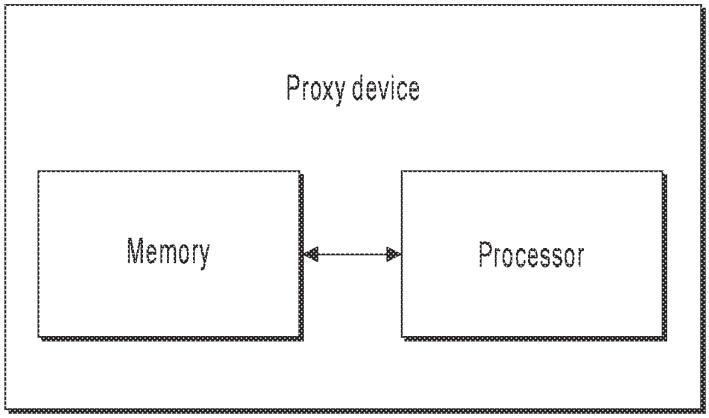


FIG. 6

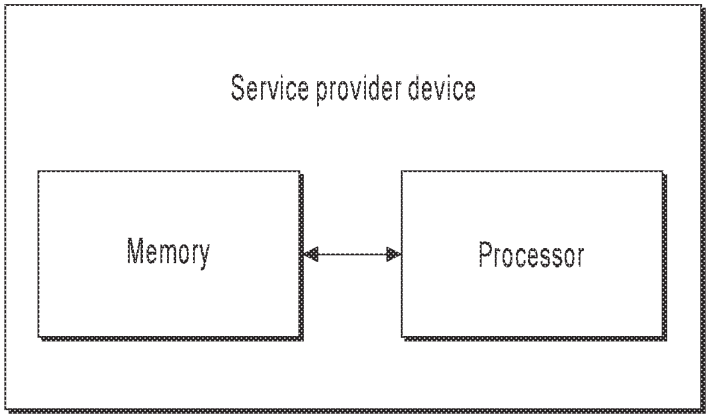


FIG. 7

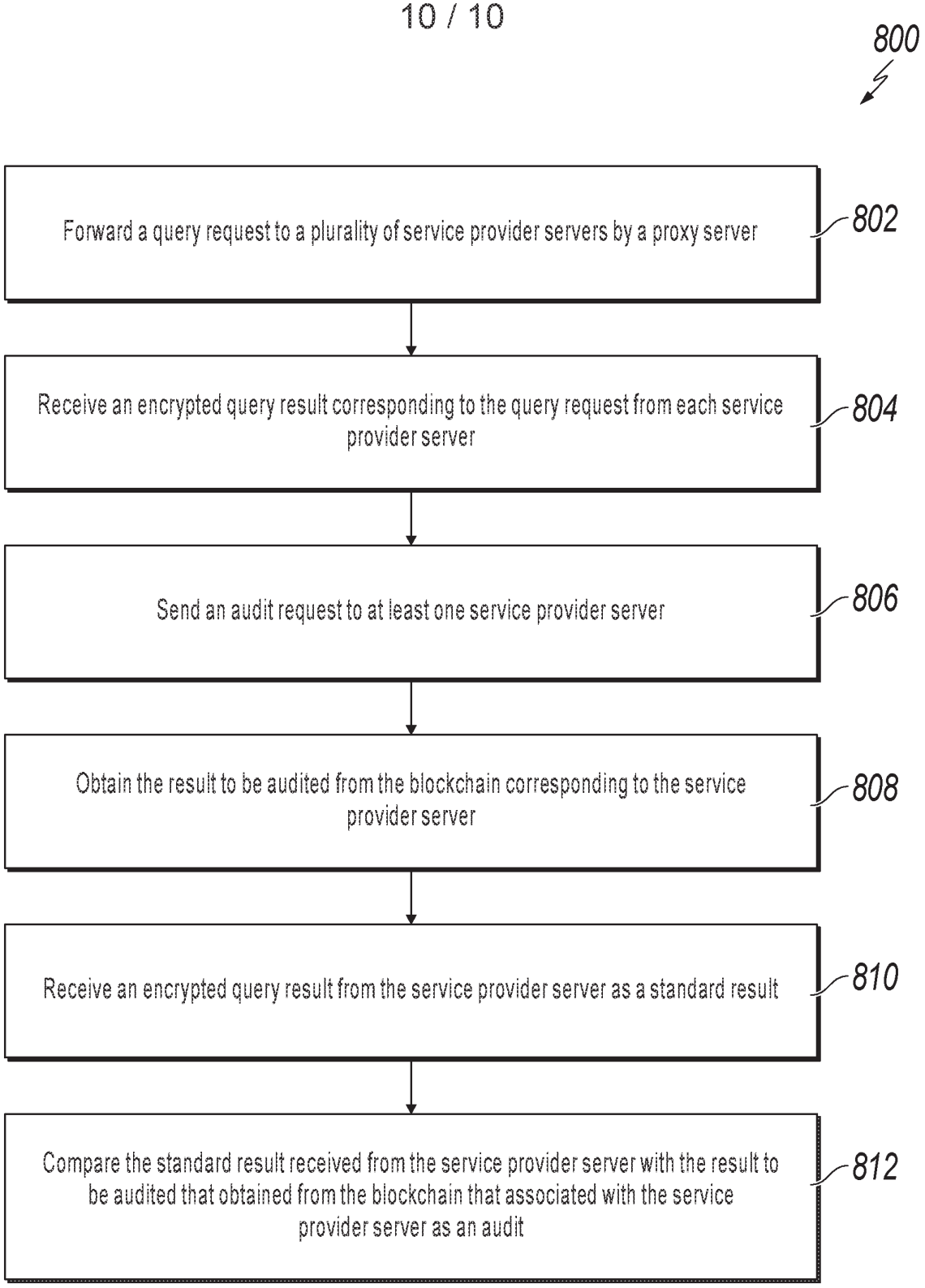

800
Forward a query request to a plurality of service provider servers by a proxy server
802
Receive an encrypted query result corresponding to the query request from each service provider server
804
Send an audit request to at least one service provider server
806
Obtain the result to be audited from the blockchain corresponding to the service provider server
808
Receive an encrypted query result from the service provider server as a standard result
810
Compare the standard result received from the service provider server with the result to be audited that obtained from the blockchain that associated with the service provider server as an audit
812

FIG. 8