A node device of a blockchain receives a target transaction, where at least a part of transaction content in the target transaction includes a content summary of target content stored in a third-party storage system connected to the blockchain
102
Query, to the third-party storage system, target content corresponding to the content summary, and verify the target content
104
Execute the target transaction based on the transaction content in the target transaction if the verification of the target content succeeds, and store the target transaction in a distributed database of the blockchain after the target transaction is executed
106

FIG. 1

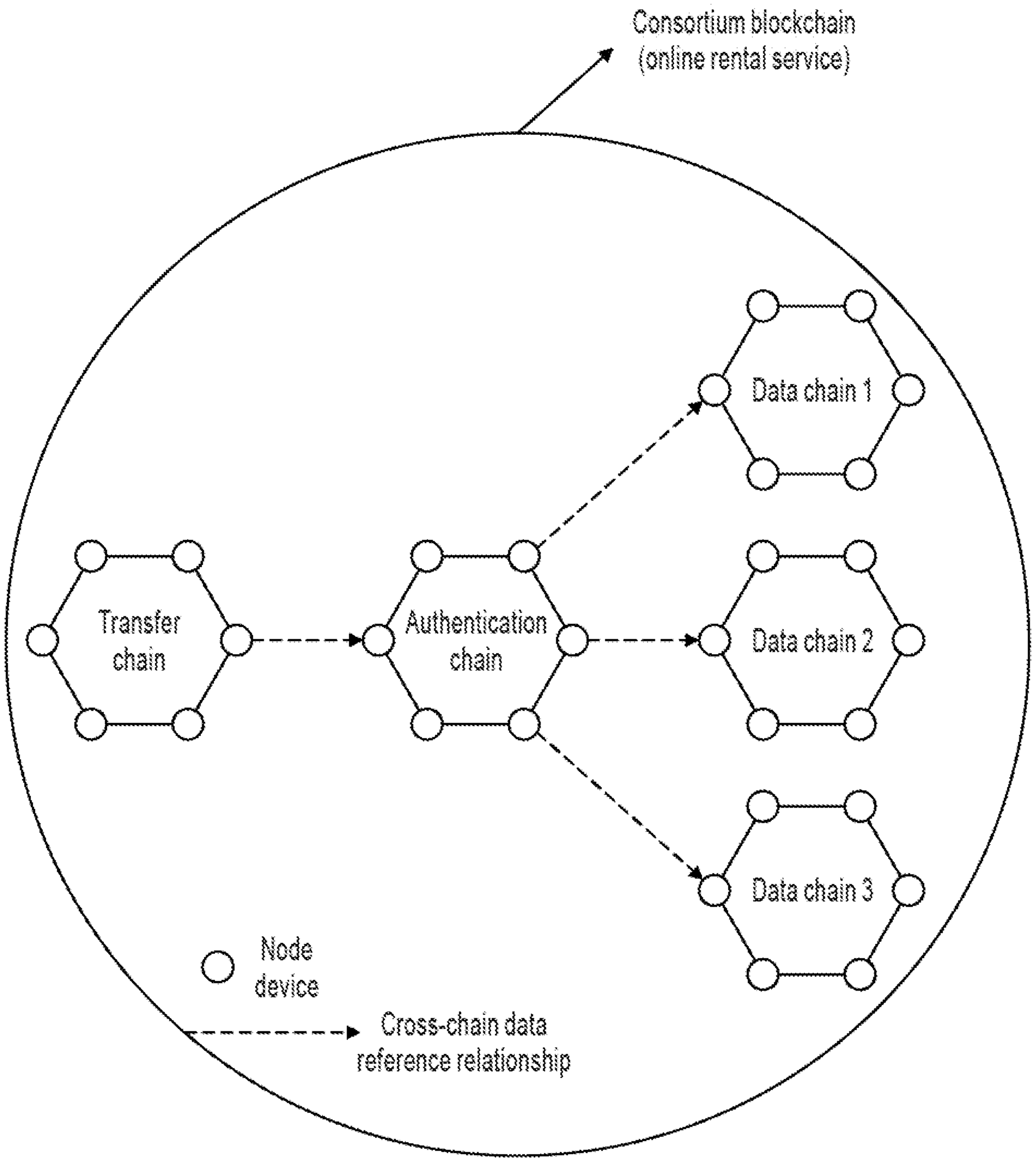

Consortium blockchain
(online rental service)
Data chain 1
Transfer chain
Authentication chain
Data chain 2
Data chain 3
Node device
Cross-chain data reference relationship

FIG. 2

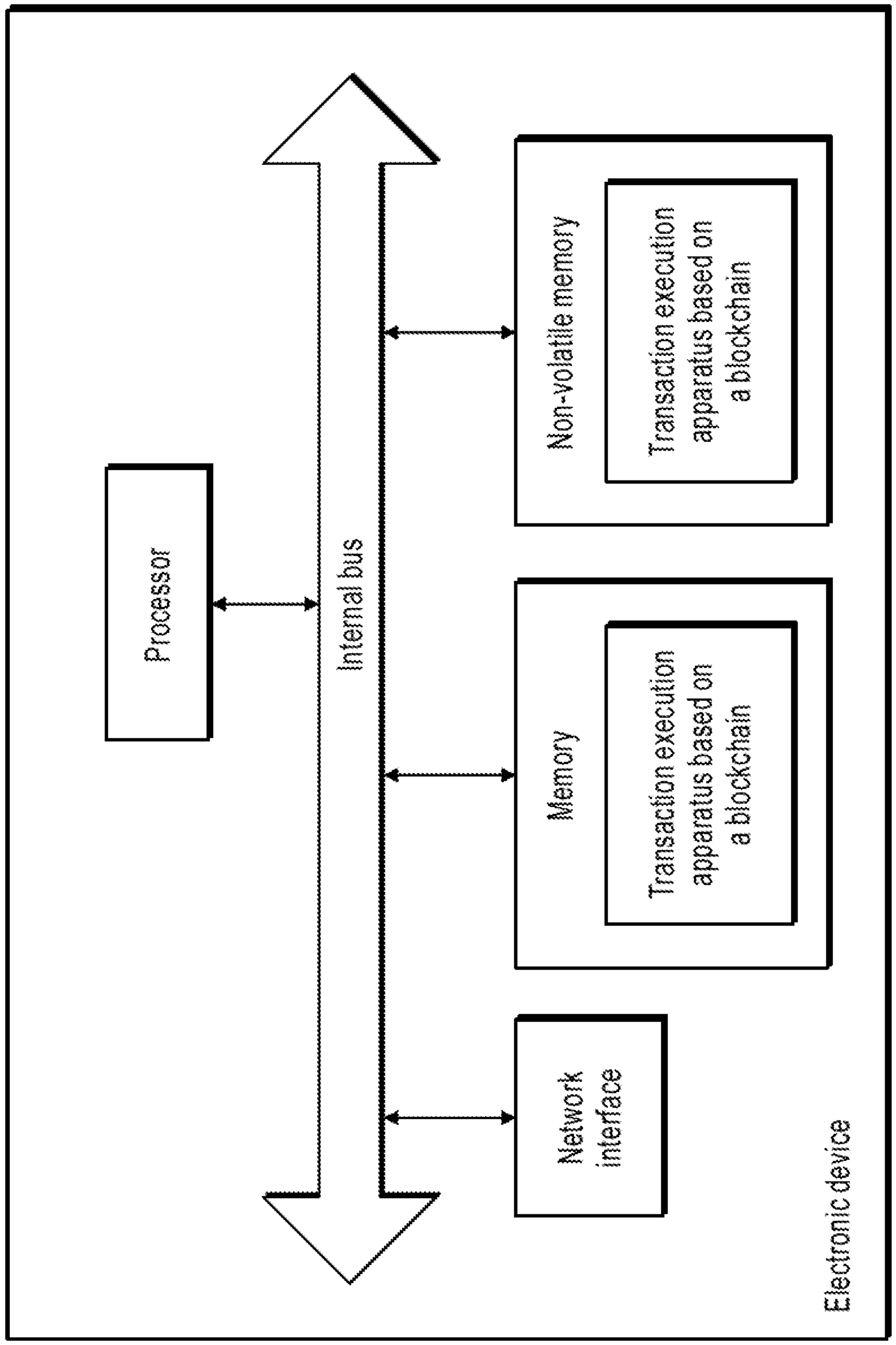

Electronic device
Processor
Internal bus
Network interface
Memory
Transaction execution apparatus based on a blockchain
Non-volatile memory
Transaction execution apparatus based on a blockchain

FIG. 3

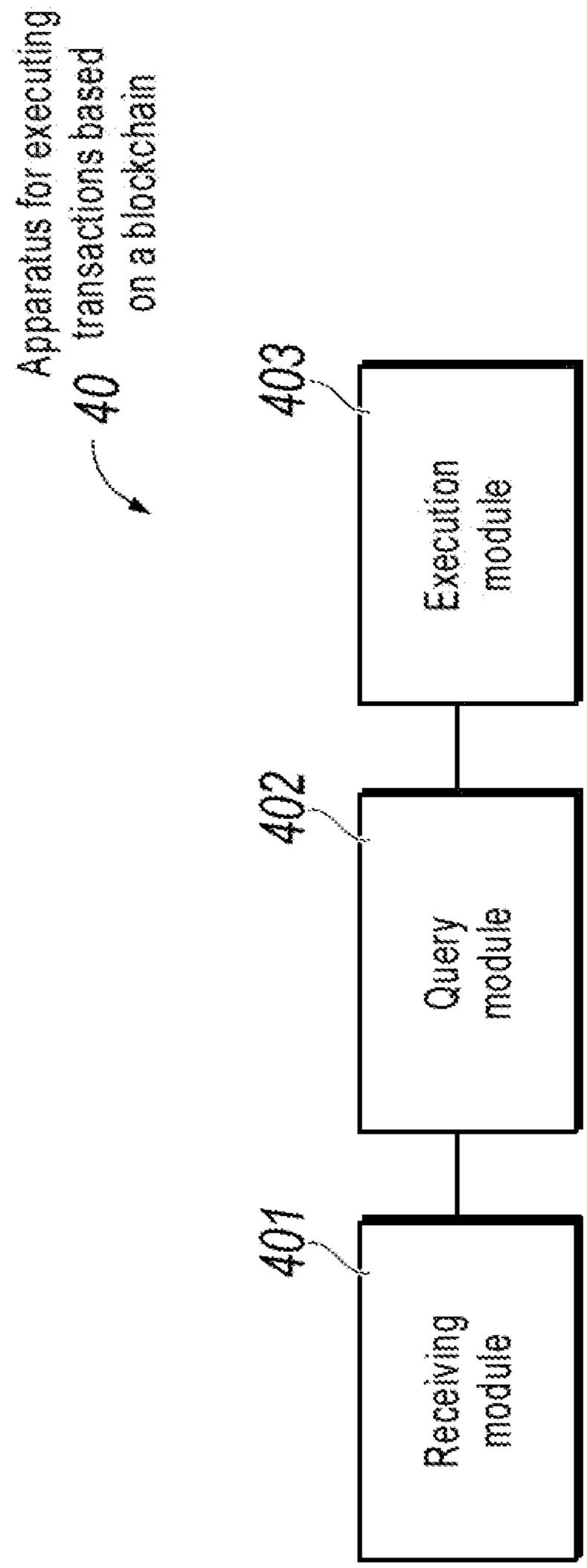

Apparatus for executing transactions based on a blockchain
40
403
Execution module
402
Query module
401
Receiving module

FIG. 4

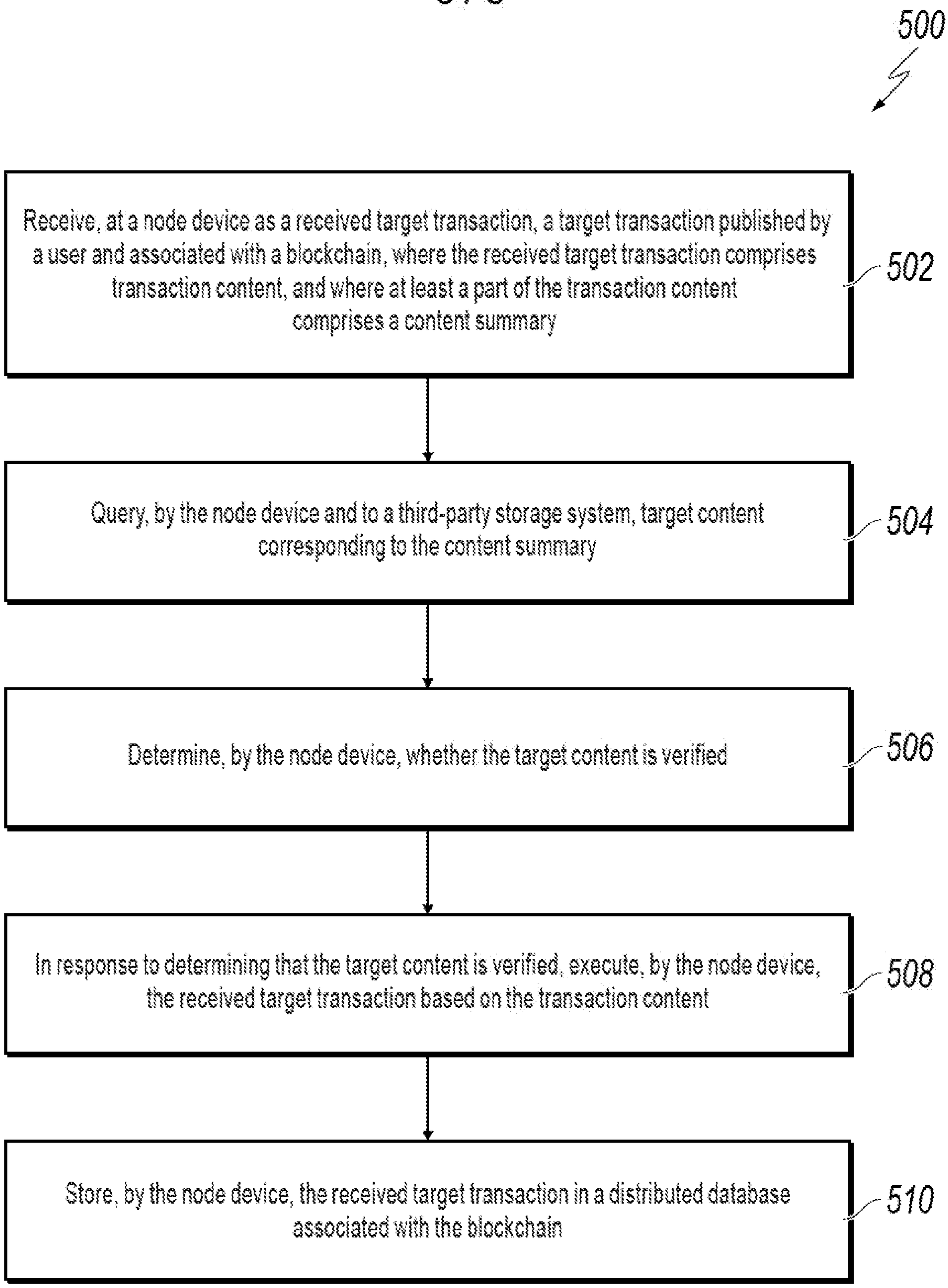

500
Receive, at a node device as a received target transaction, a target transaction published by a user and associated with a blockchain, where the received target transaction comprises transaction content, and where at least a part of the transaction content comprises a content summary
502
Query, by the node device and to a third-party storage system, target content corresponding to the content summary
504
Determine, by the node device, whether the target content is verified
506
In response to determining that the target content is verified, execute, by the node device, the received target transaction based on the transaction content
508
Store, by the node device, the received target transaction in a distributed database associated with the blockchain
510

FIG. 5