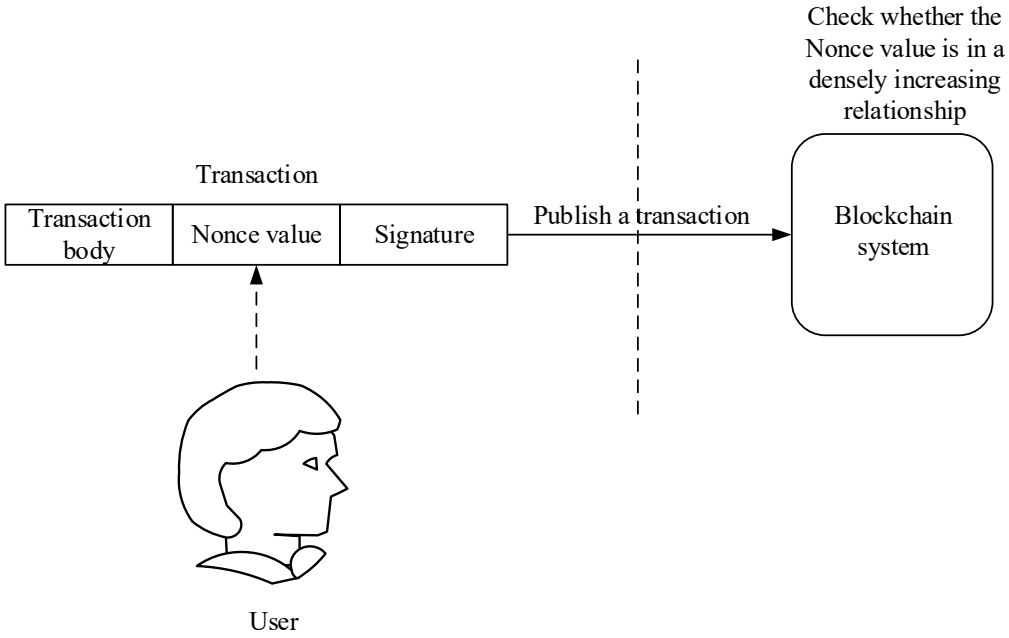
Check whether the Nonce value is in a densely increasing relationship
Transaction
Transaction body
Nonce value
Signature
Publish a transaction
Blockchain system
User

FIG. 1

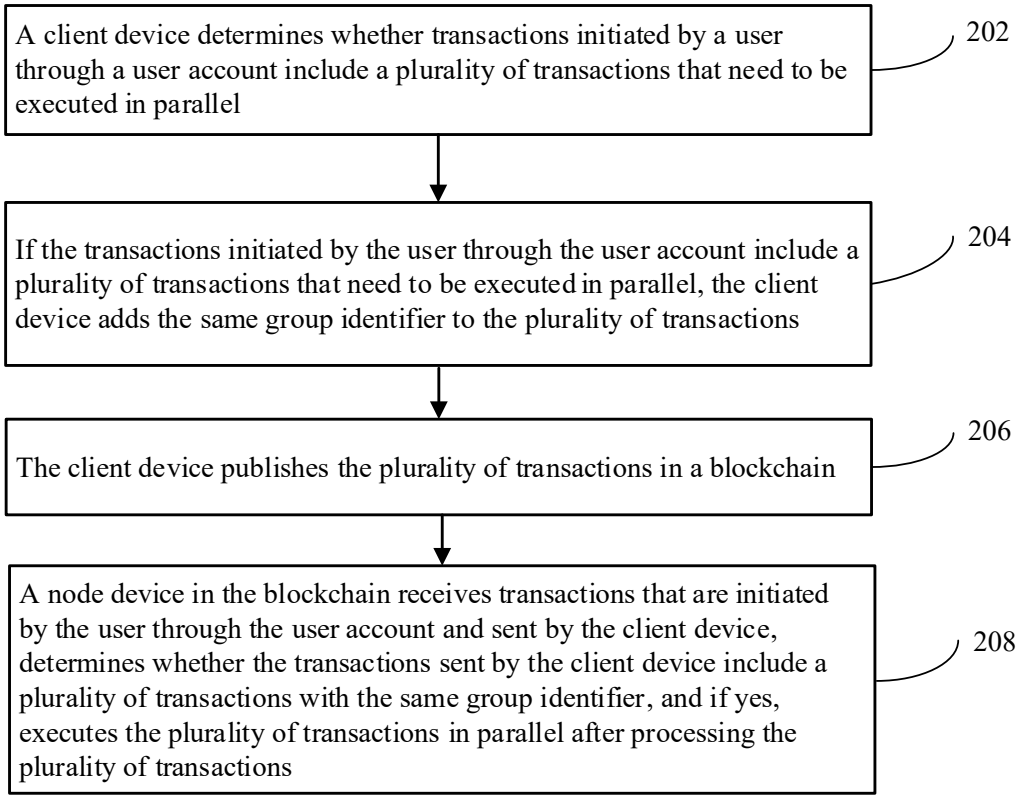
A client device determines whether transactions initiated by a user through a user account include a plurality of transactions that need to be executed in parallel
202
If the transactions initiated by the user through the user account include a plurality of transactions that need to be executed in parallel, the client device adds the same group identifier to the plurality of transactions
204
The client device publishes the plurality of transactions in a blockchain
206
A node device in the blockchain receives transactions that are initiated by the user through the user account and sent by the client device, determines whether the transactions sent by the client device include a plurality of transactions with the same group identifier, and if yes, executes the plurality of transactions in parallel after processing the plurality of transactions
208

FIG. 2

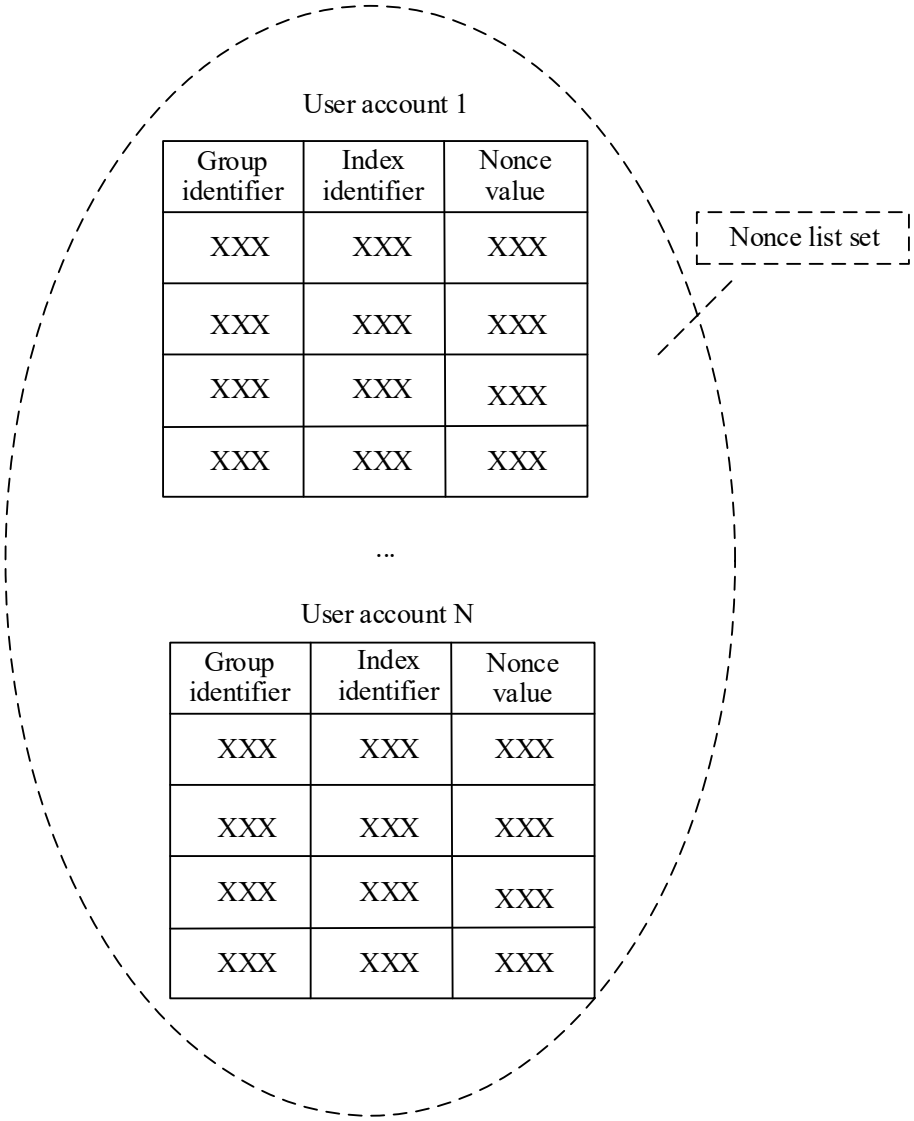
User account 1
Group identifier
Index identifier
Nonce value
XXX
XXX
XXX
XXX
XXX
XXX
XXX
XXX
XXX
XXX
XXX
XXX
...
User account N
Group identifier
Index identifier
Nonce value
XXX
XXX
XXX
XXX
XXX
XXX
XXX
XXX
XXX
XXX
XXX
XXX
Nonce list set

FIG. 3

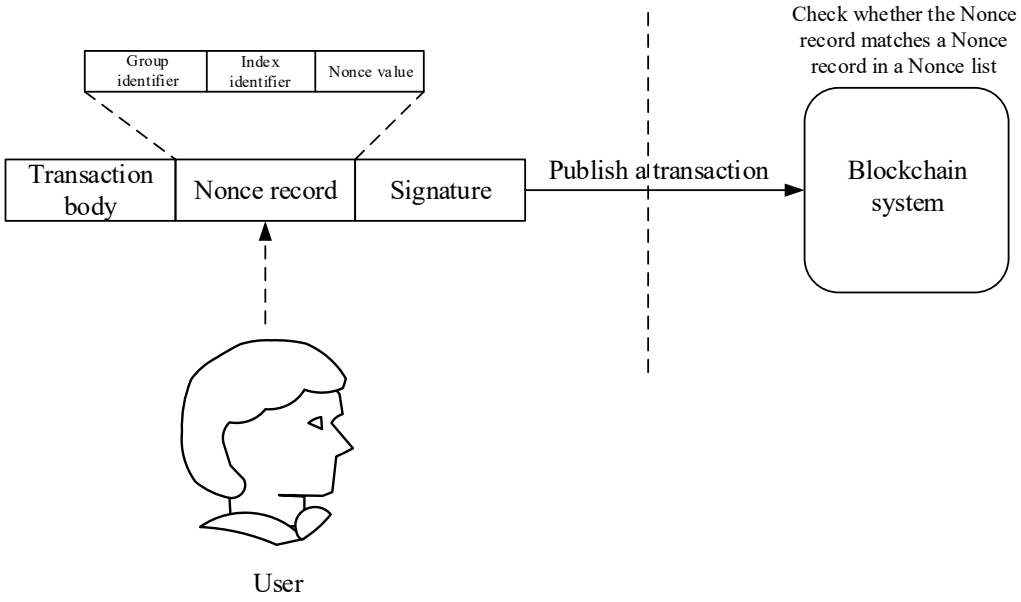

FIG. 4

Group identifier	Index identifier	Nonce value	Available
XXX	XXX	XXX	T
XXX	XXX	XXX	T
XXX	XXX	XXX	F
XXX	XXX	XXX	F

FIG. 5

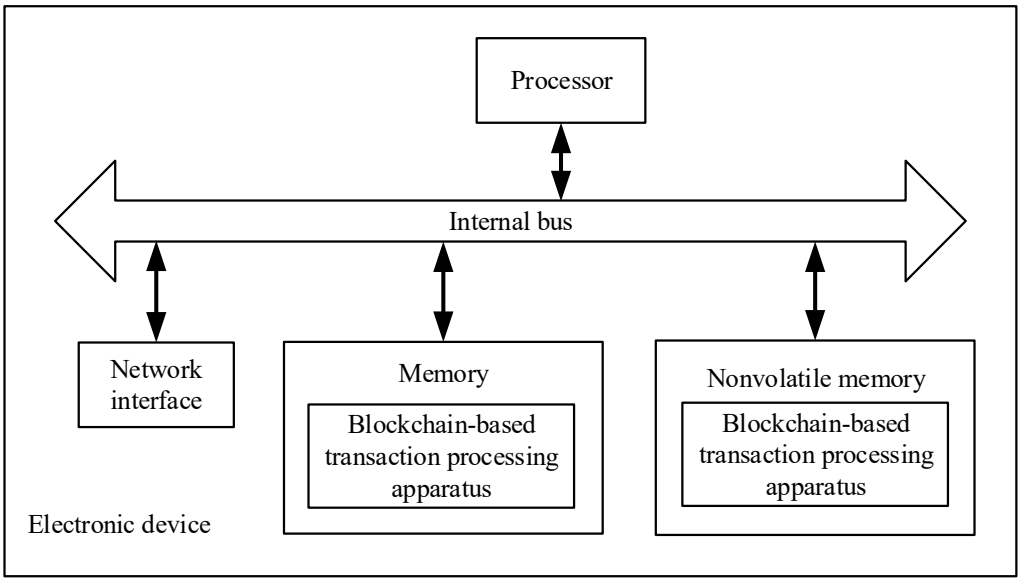

FIG. 6

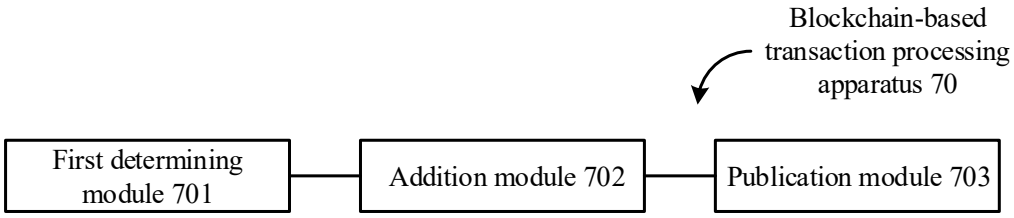

FIG. 7

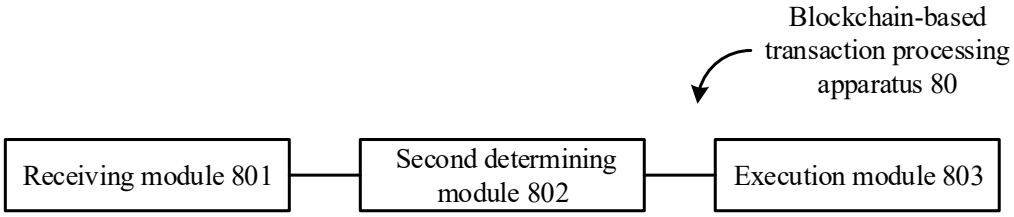

FIG. 8