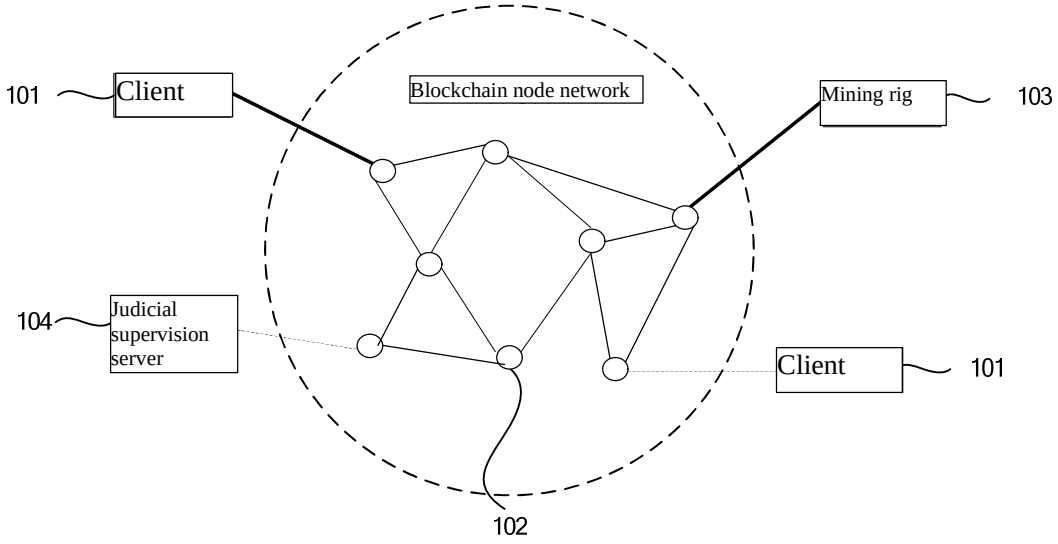

101
Client
Blockchain node network
Mining rig
103
104
Judicial supervision server
Client
101
102

Fig. 1

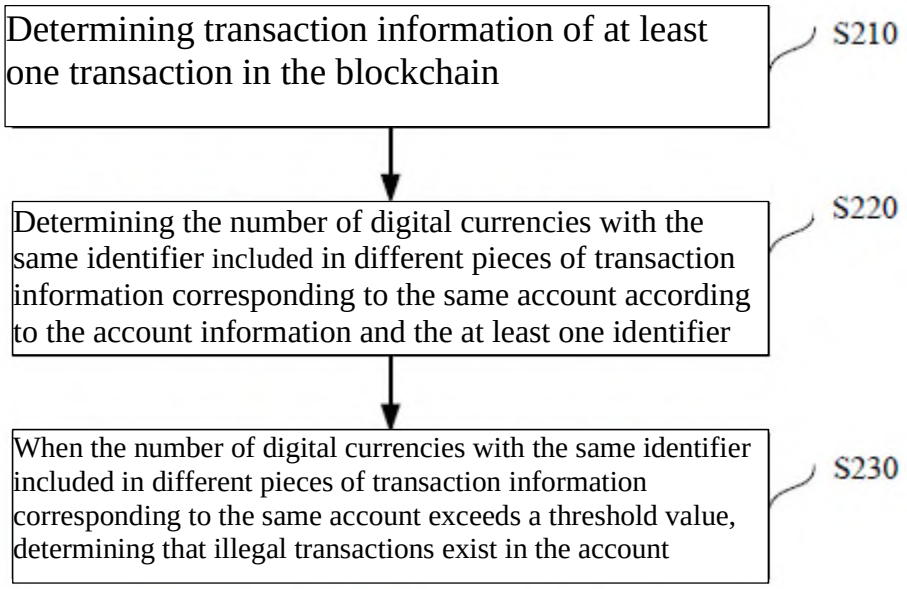

Determining transaction information of at least one transaction in the blockchain
S210
Determining the number of digital currencies with the same identifier included in different pieces of transaction information corresponding to the same account according to the account information and the at least one identifier
S220
When the number of digital currencies with the same identifier included in different pieces of transaction information corresponding to the same account exceeds a threshold value, determining that illegal transactions exist in the account
S230

Fig. 2

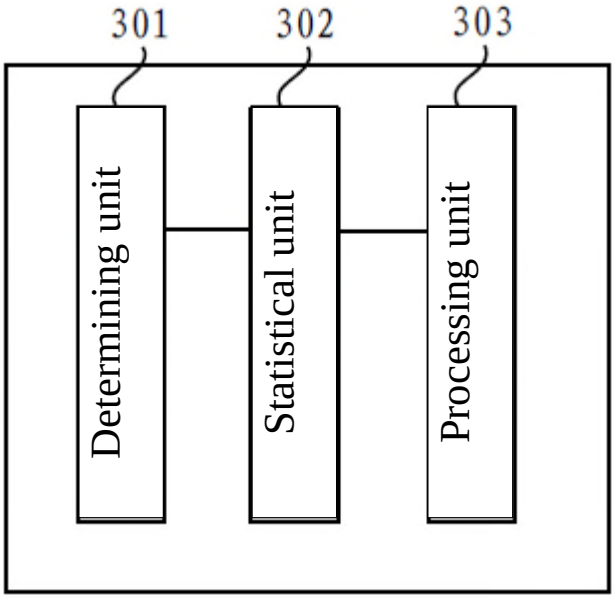

301
302
303
Determining unit
Statistical unit
Processing unit

Fig. 3