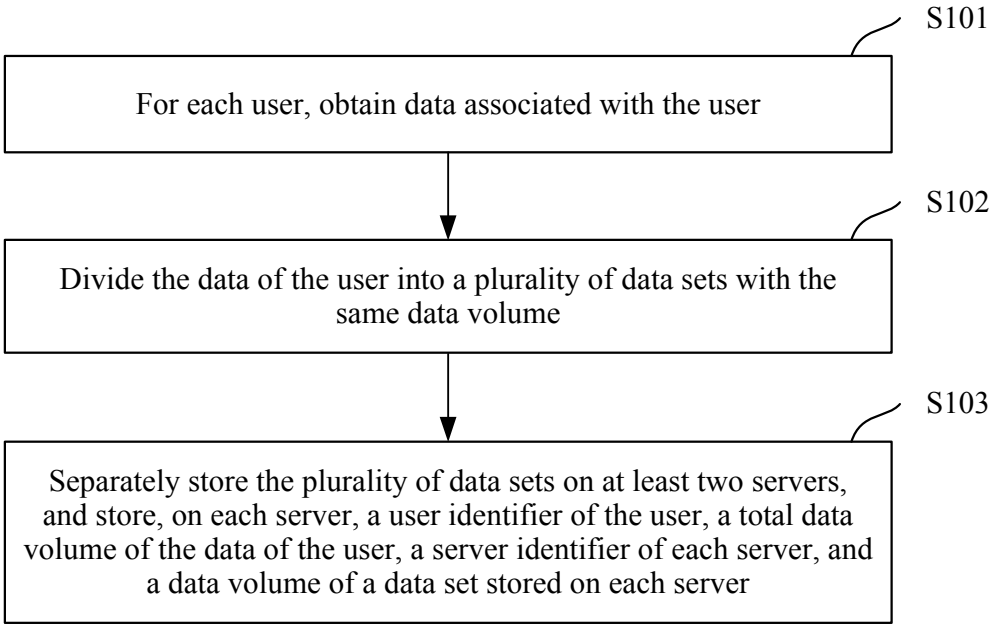

S101
For each user, obtain data associated with the user
S102
Divide the data of the user into a plurality of data sets with the same data volume
S103
Separately store the plurality of data sets on at least two servers, and store, on each server, a user identifier of the user, a total data volume of the data of the user, a server identifier of each server, and a data volume of a data set stored on each server

FIG. 1

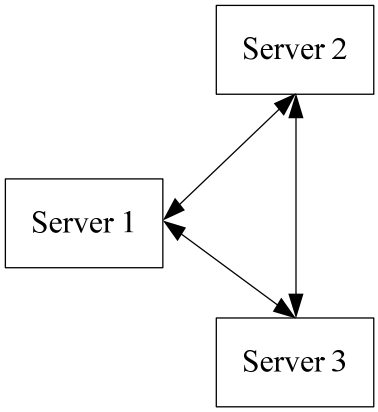

Server 2
Server 1
Server 3

FIG. 2A

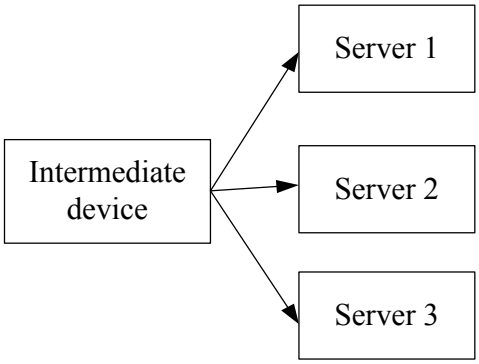

Server 1
Intermediate device
Server 2
Server 3

FIG. 2B

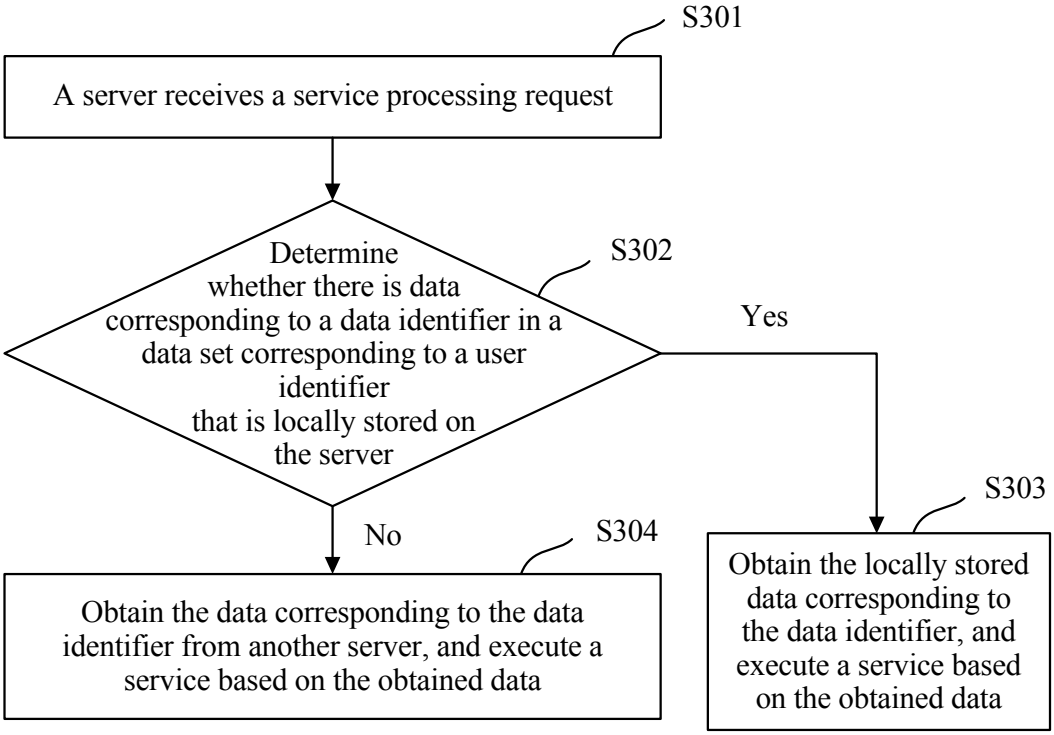

S301
A server receives a service processing request
Determine whether there is data corresponding to a data identifier in a data set corresponding to a user identifier that is locally stored on the server
S302
Yes
No
S303
S304
Obtain the locally stored data corresponding to the data identifier, and execute a service based on the obtained data
Obtain the data corresponding to the data identifier from another server, and execute a service based on the obtained data

FIG. 3

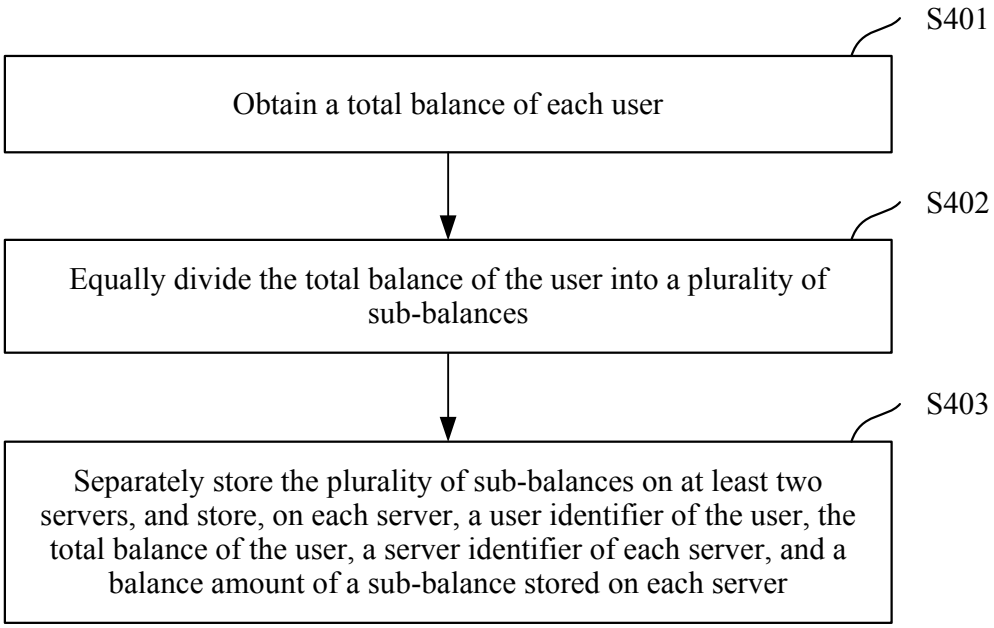

S401
Obtain a total balance of each user
S402
Equally divide the total balance of the user into a plurality of sub-balances
S403
Separately store the plurality of sub-balances on at least two servers, and store, on each server, a user identifier of the user, the total balance of the user, a server identifier of each server, and a balance amount of a sub-balance stored on each server

FIG. 4

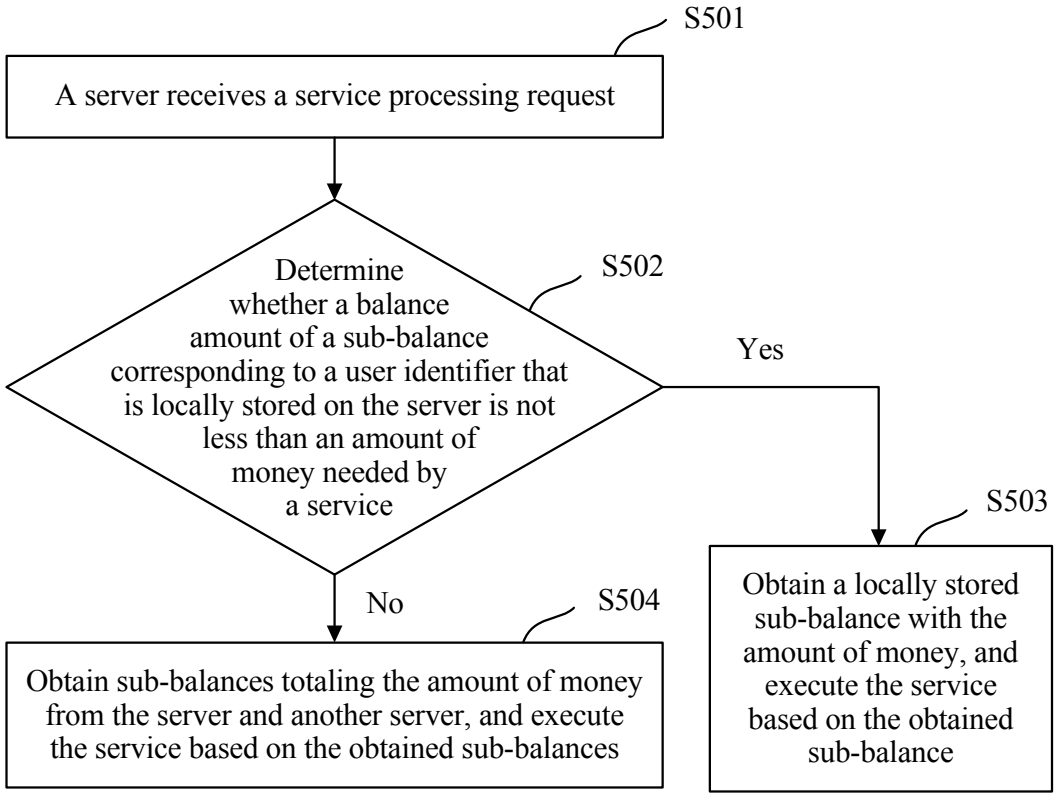

S501
A server receives a service processing request
Determine whether a balance amount of a sub-balance corresponding to a user identifier that is locally stored on the server is not less than an amount of money needed by a service
S502
Yes
No
S503
Obtain a locally stored sub-balance with the amount of money, and execute the service based on the obtained sub-balance
S504
Obtain sub-balances totaling the amount of money from the server and another server, and execute the service based on the obtained sub-balances

FIG. 5

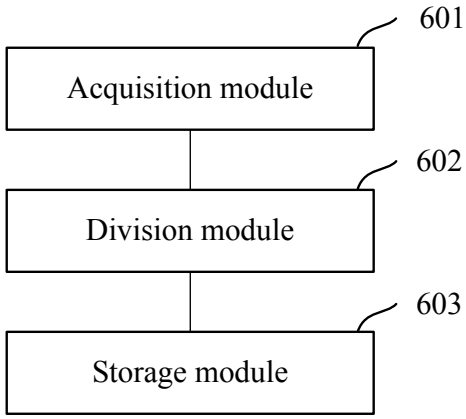

601
Acquisition module
602
Division module
603
Storage module

FIG. 6

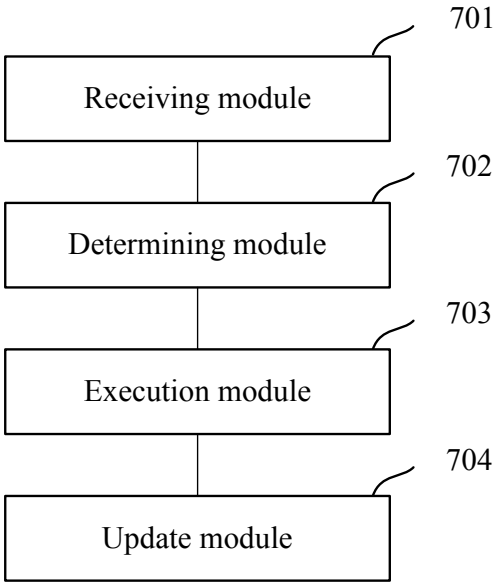

701
Receiving module
702
Determining module
703
Execution module
704
Update module

FIG. 7

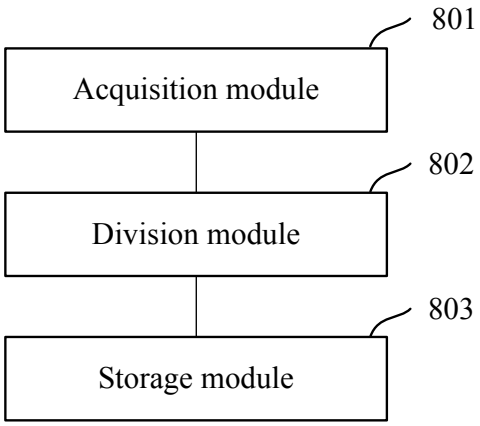

801
Acquisition module
802
Division module
803
Storage module

FIG. 8

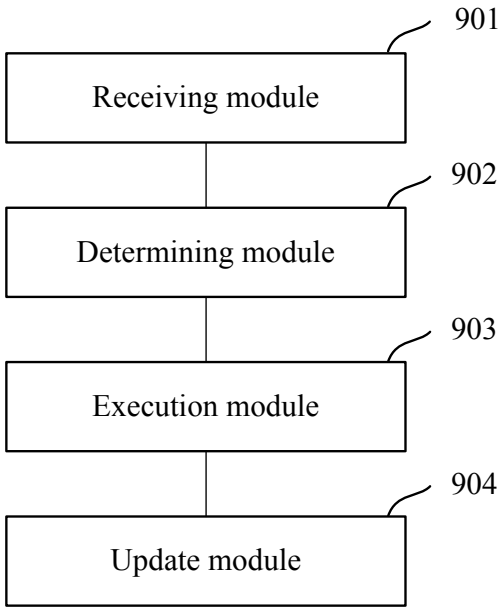

901
Receiving module
902
Determining module
903
Execution module
904
Update module

FIG. 9