Drawings

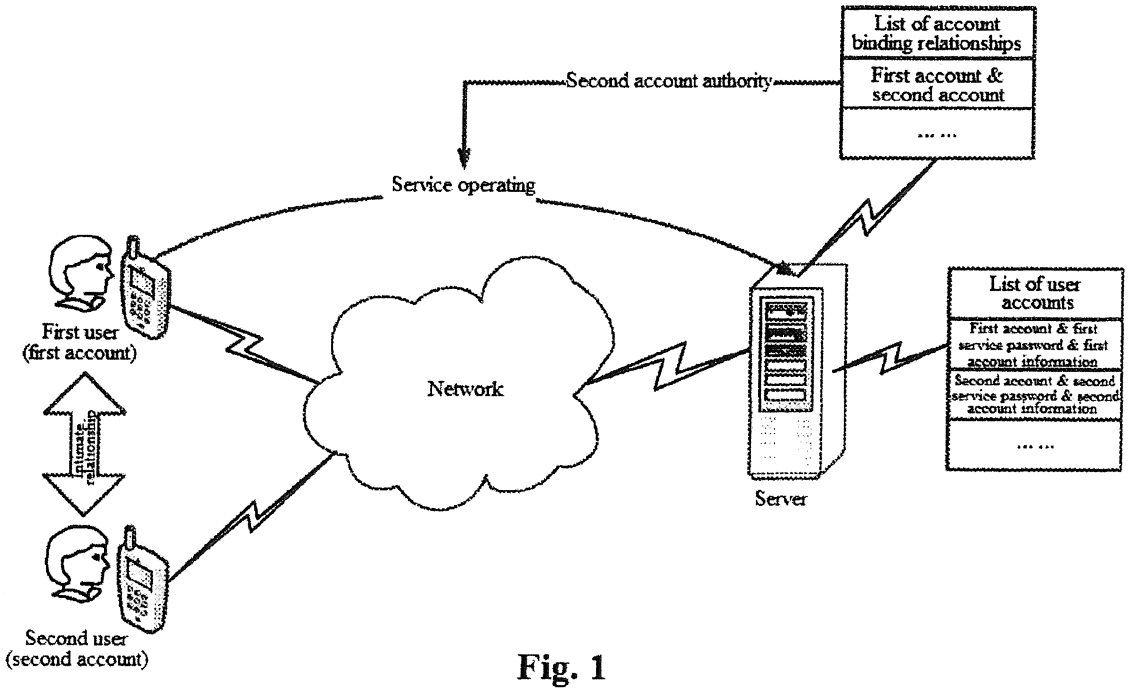

Fig. 1

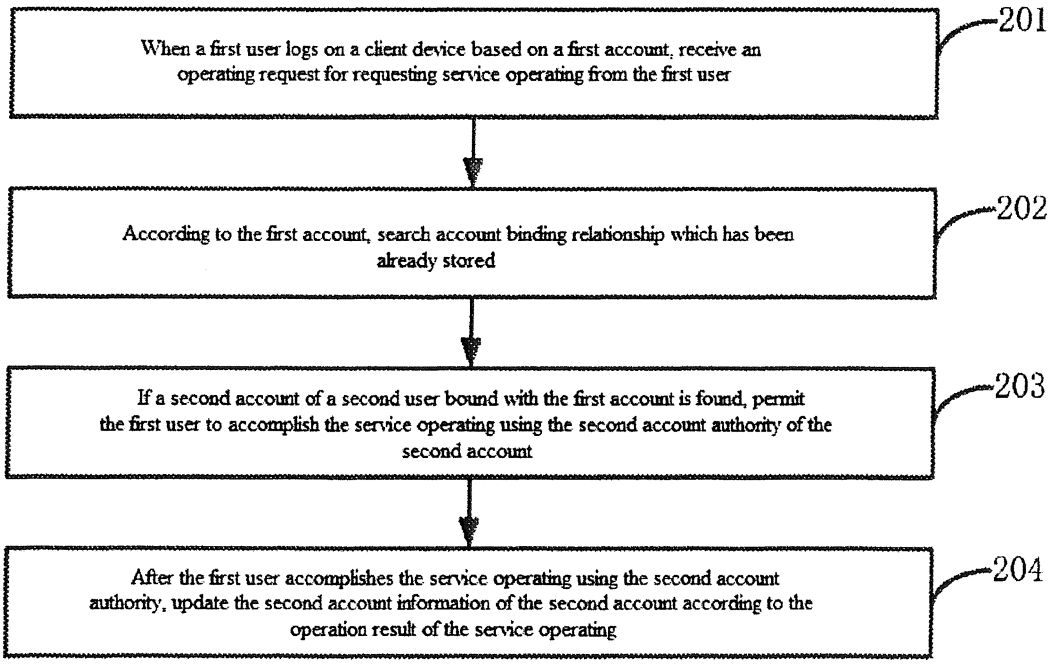

Fig. 2

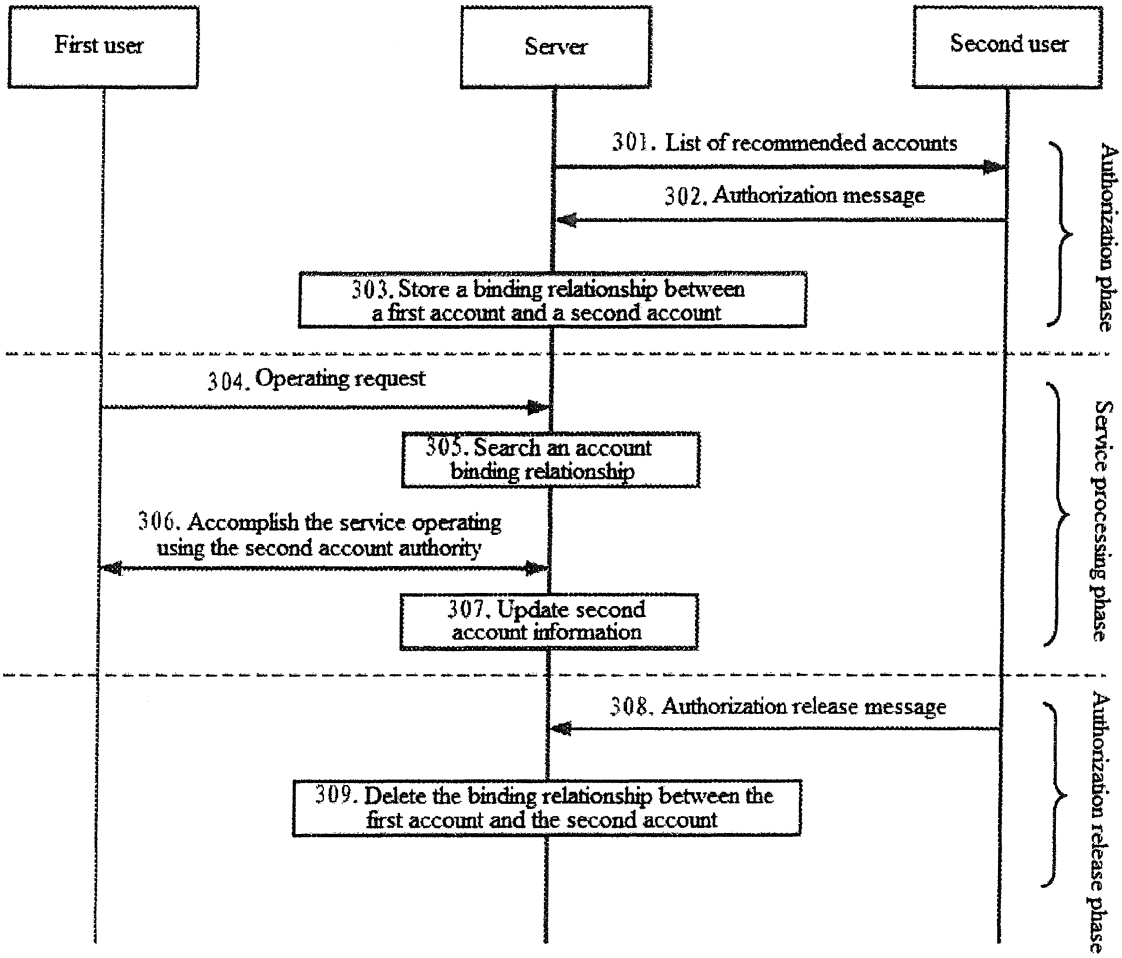
First user
Server
Second user
301. List of recommended accounts
302. Authorization message
303. Store a binding relationship between a first account and a second account
Authorization phase
304. Operating request
305. Search an account binding relationship
306. Accomplish the service operating using the second account authority
307. Update second account information
Service processing phase
308. Authorization release message
309. Delete the binding relationship between the first account and the second account
Authorization release phase

Fig. 3A

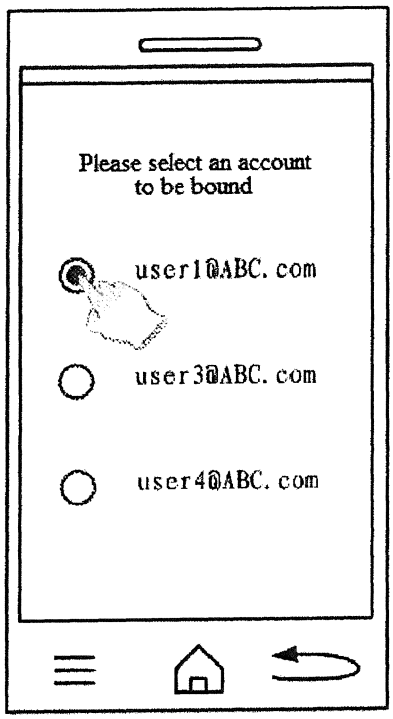
Please select an account
to be bound
user1@ABC.com
user3@ABC.com
user4@ABC.com

Fig. 3B

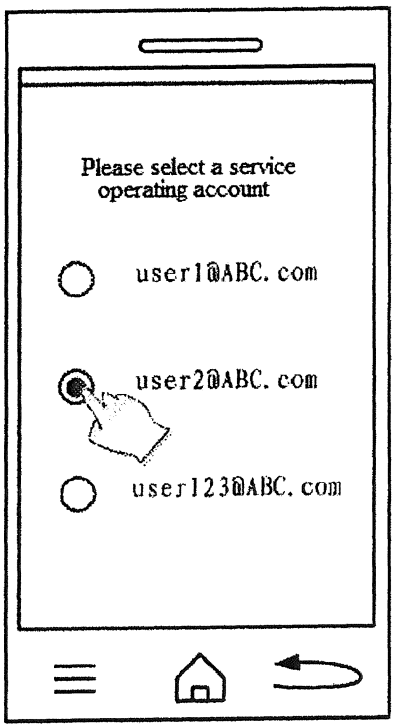
Please select a service
operating account
user1@ABC.com
user2@ABC.com
user123@ABC.com

Fig. 3C

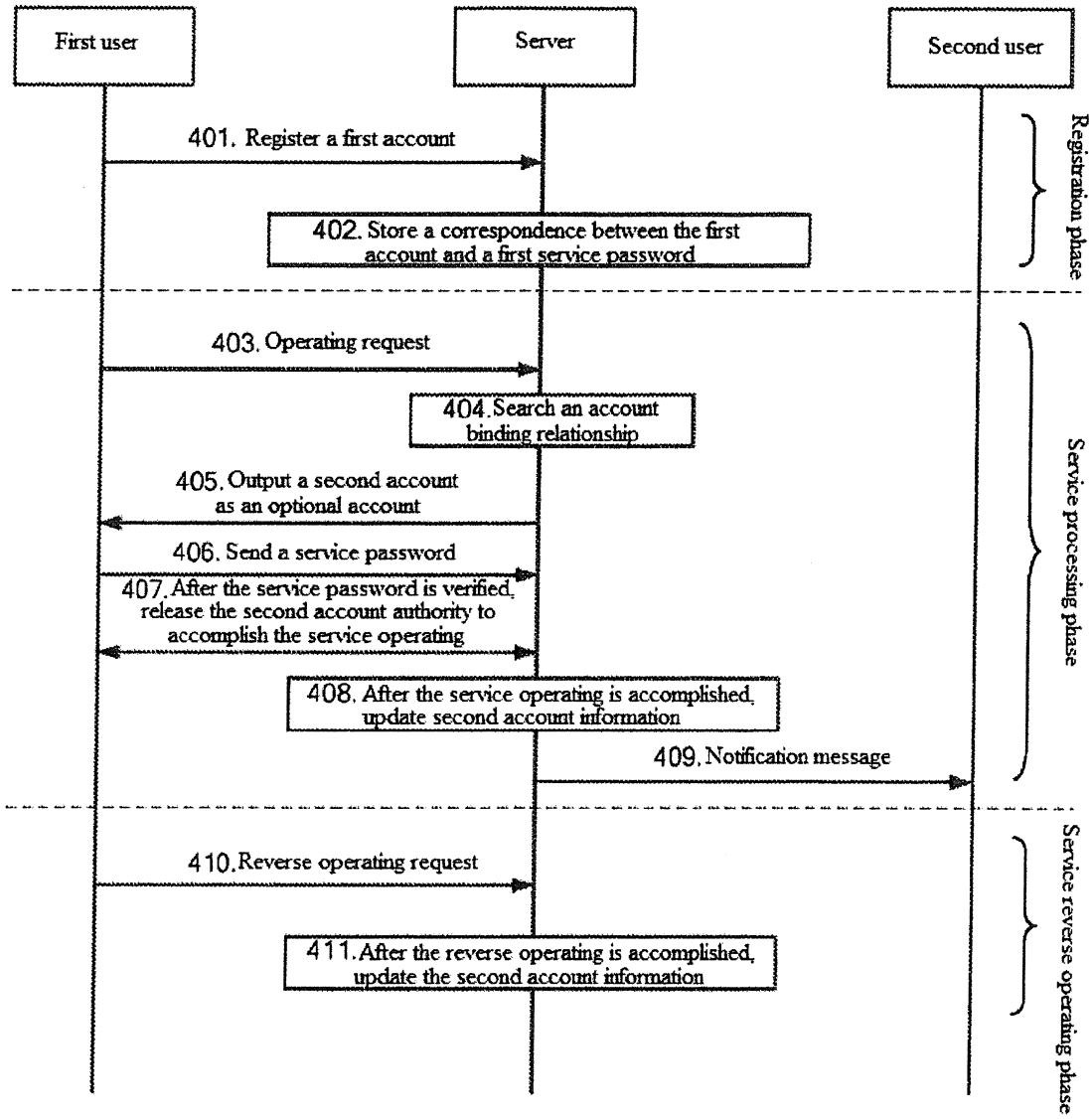
First user
Server
Second user
401. Register a first account
402. Store a correspondence between the first account and a first service password
Registration phase
403. Operating request
404. Search an account binding relationship
405. Output a second account as an optional account
406. Send a service password
407. After the service password is verified, release the second account authority to accomplish the service operating
408. After the service operating is accomplished, update second account information
409. Notification message
Service processing phase
410. Reverse operating request
411. After the reverse operating is accomplished, update the second account information
Service reverse operating phase

Fig. 4

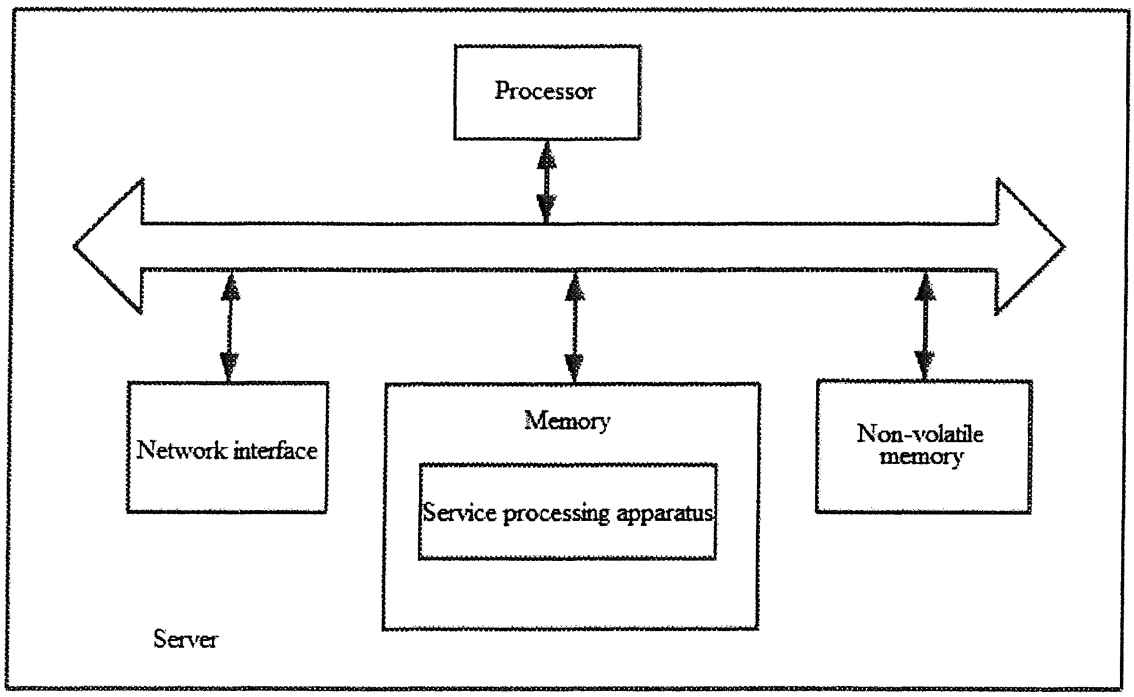
Processor
Network interface
Memory
Service processing apparatus
Non-volatile memory
Server

Fig. 5

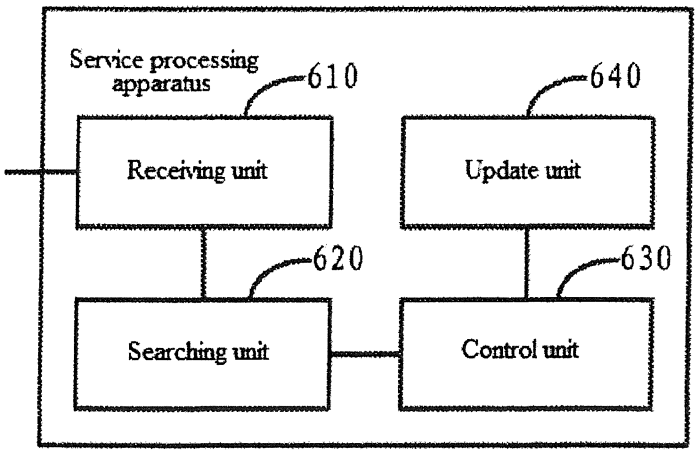
Service processing apparatus
610
640
Receiving unit
Update unit
620
630
Searching unit
Control unit

Fig. 6

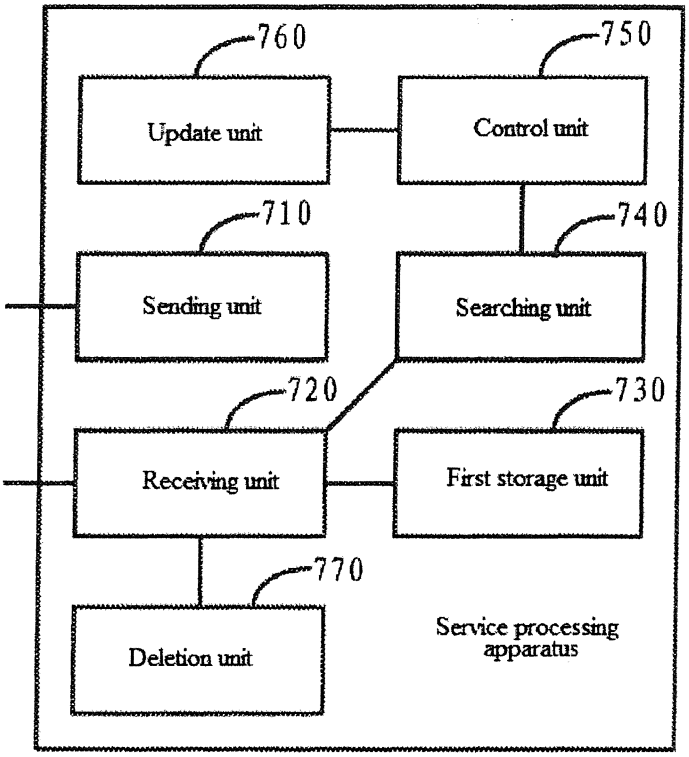
760
750
Update unit
Control unit
710
740
Sending unit
Searching unit
720
730
Receiving unit
First storage unit
770
Deletion unit
Service processing apparatus

Fig. 7

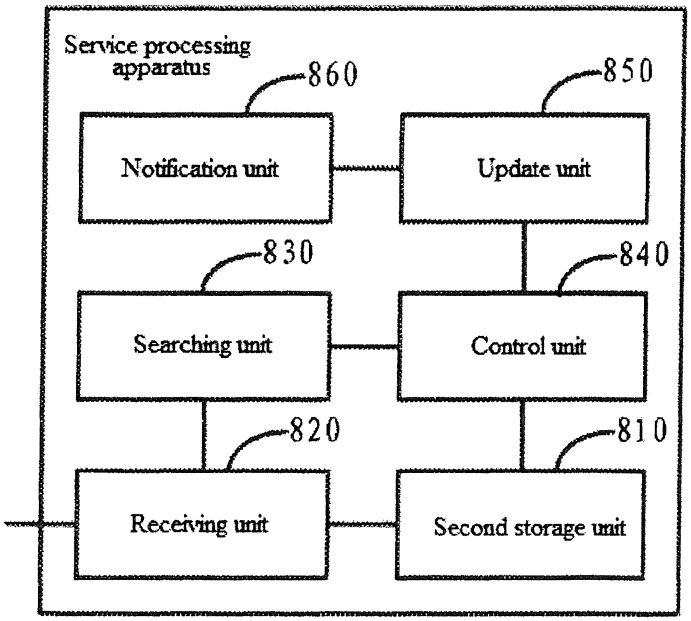
Service processing apparatus
860
850
Notification unit
Update unit
830
840
Searching unit
Control unit
820
810
Receiving unit
Second storage unit

Fig. 8

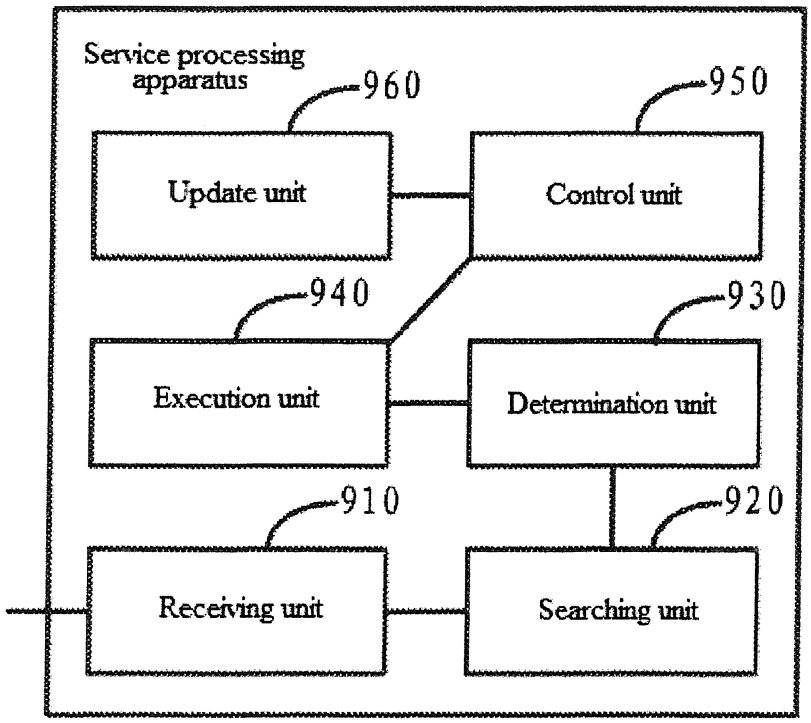
Service processing apparatus
960
950
Update unit
Control unit
940
930
Execution unit
Determination unit
910
920
Receiving unit
Searching unit

Fig. 9