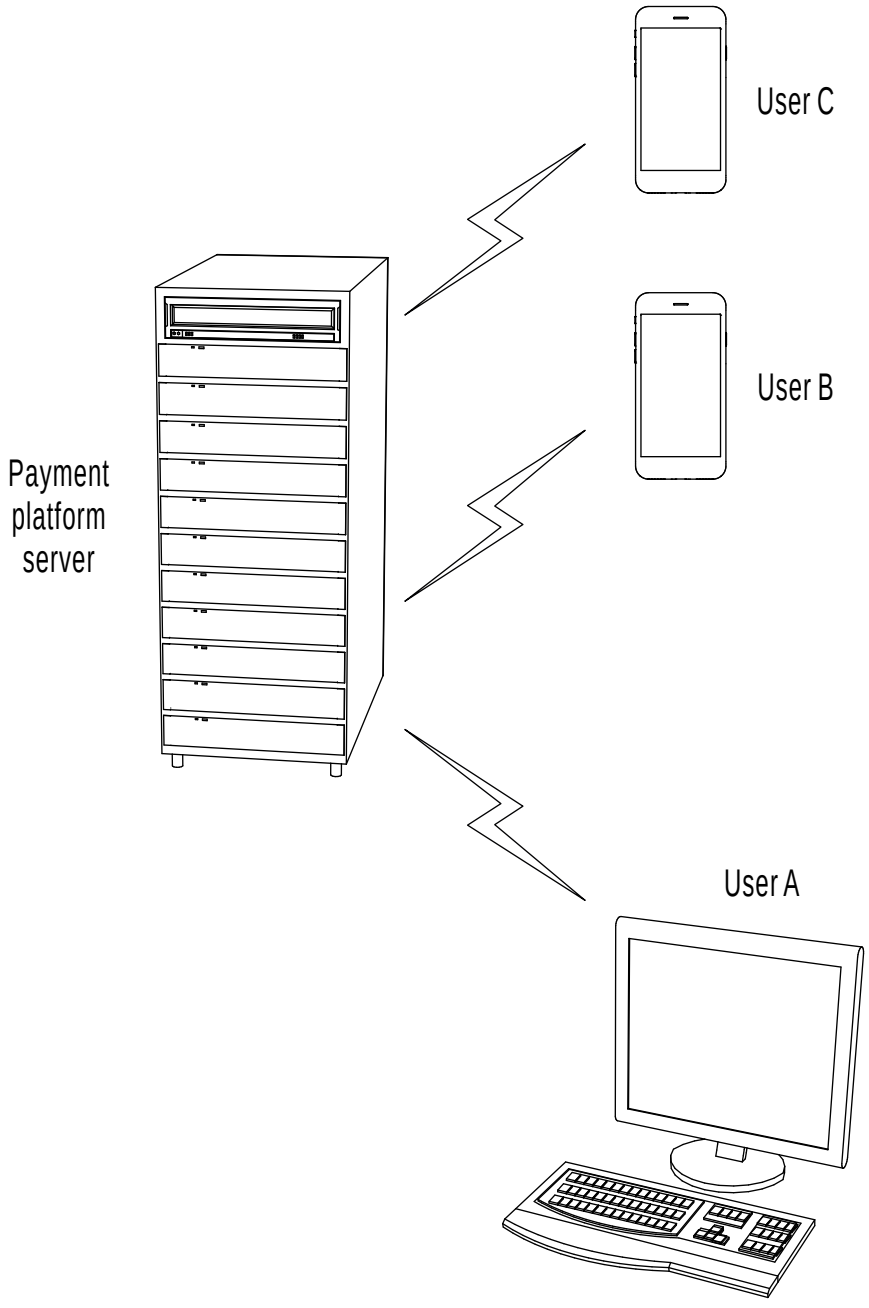



**FIG. 1**

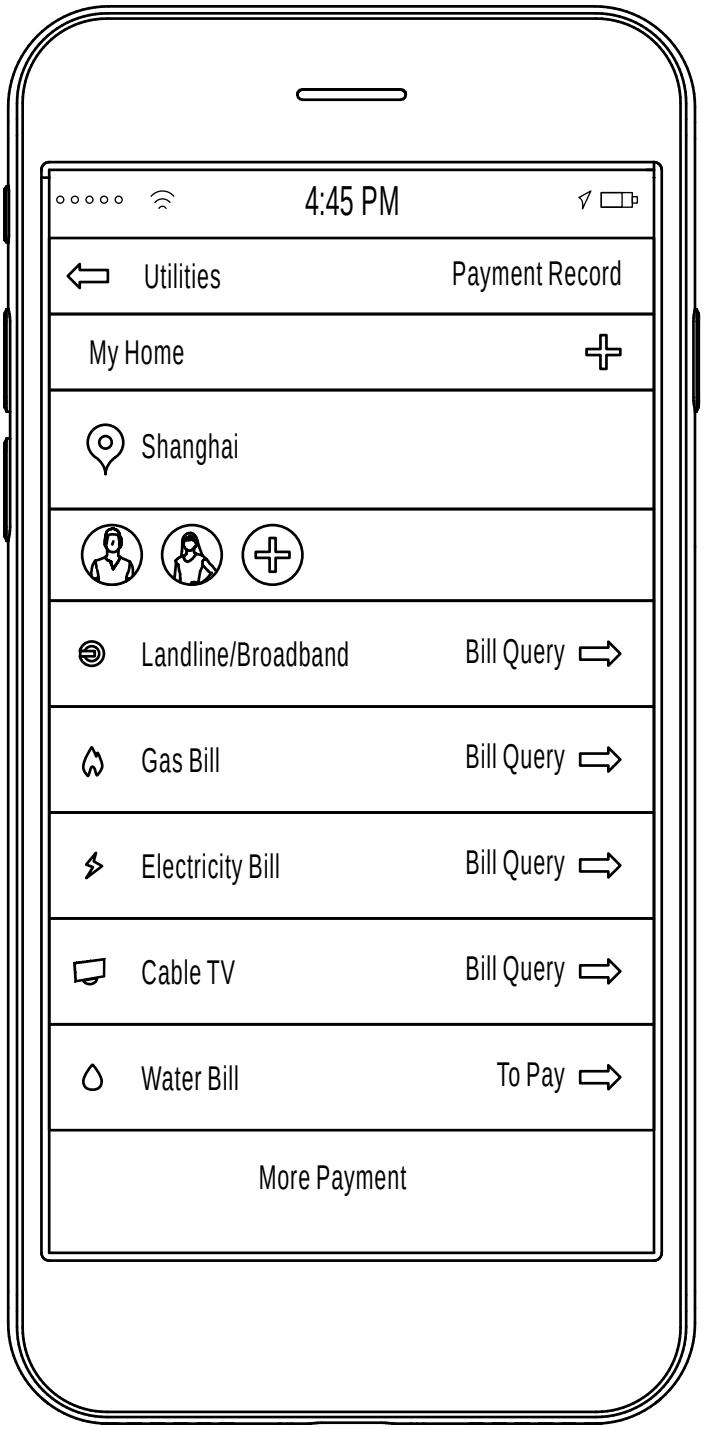

4:45 PM
Utilities
Payment Record
My Home
Shanghai
Landline/Broadband
Bill Query
Gas Bill
Bill Query
Electricity Bill
Bill Query
Cable TV
Bill Query
Water Bill
To Pay
More Payment

FIG. 2A

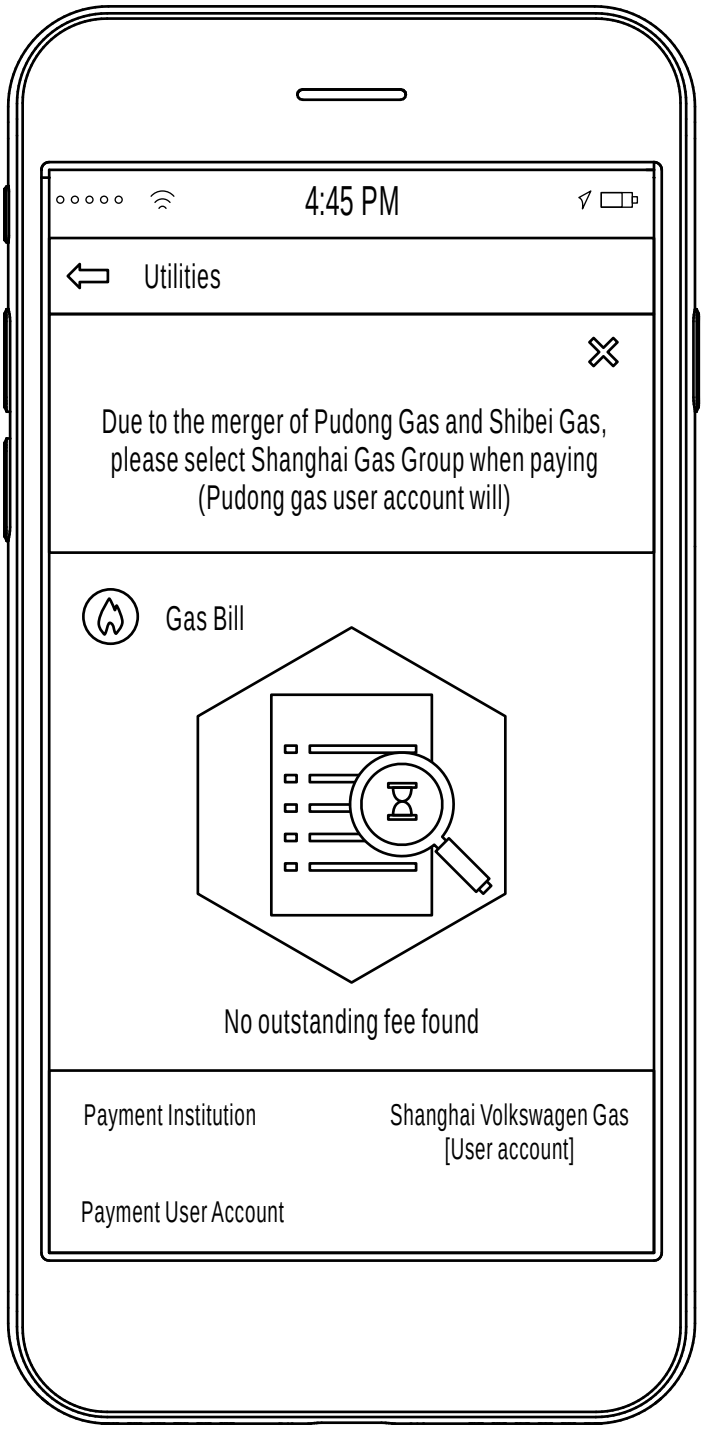

4:45 PM
Utilities
Due to the merger of Pudong Gas and Shibei Gas, please select Shanghai Gas Group when paying (Pudong gas user account will)
Gas Bill
No outstanding fee found
Payment Institution
Shanghai Volkswagen Gas [User account]
Payment User Account

**FIG. 2B**

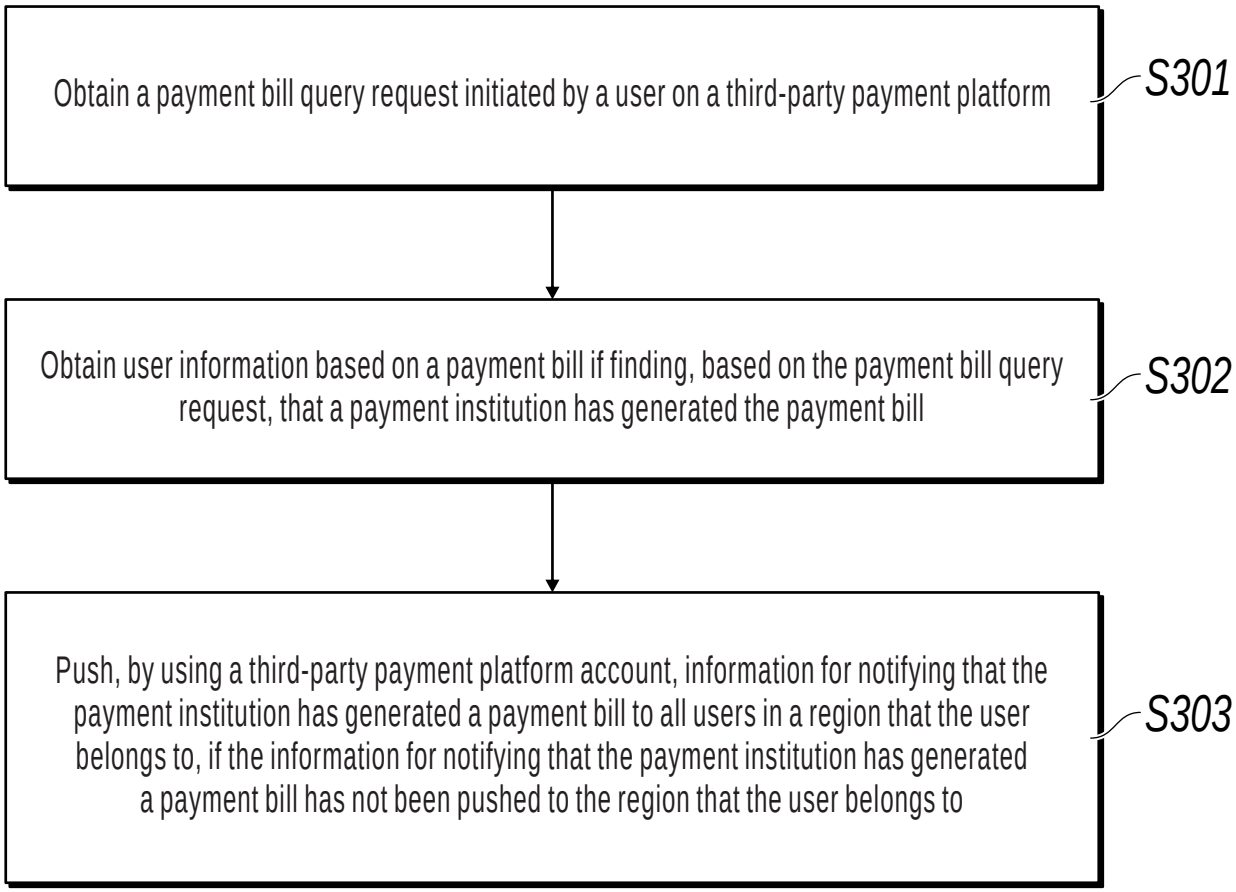

Obtain a payment bill query request initiated by a user on a third-party payment platform
S301
Obtain user information based on a payment bill if finding, based on the payment bill query request, that a payment institution has generated the payment bill
S302
Push, by using a third-party payment platform account, information for notifying that the payment institution has generated a payment bill to all users in a region that the user belongs to, if the information for notifying that the payment institution has generated a payment bill has not been pushed to the region that the user belongs to
S303

**FIG. 3**

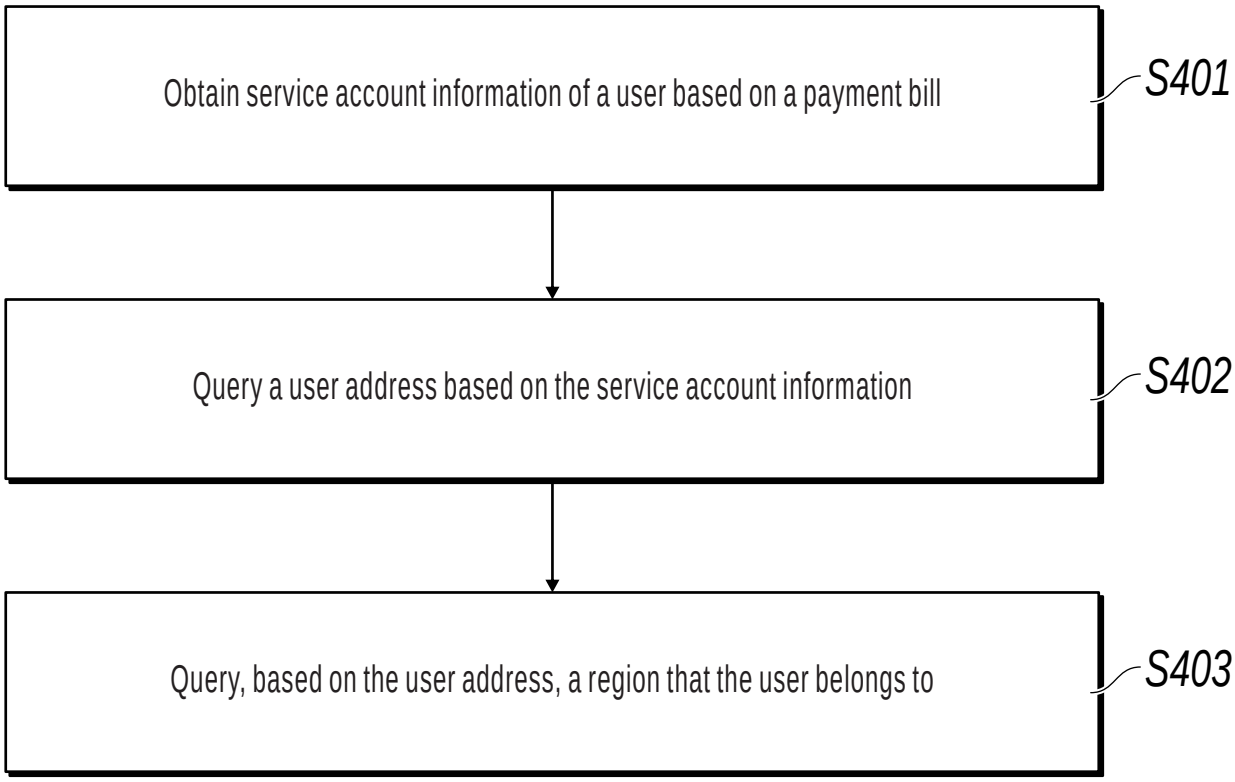

Obtain service account information of a user based on a payment bill
S401
Query a user address based on the service account information
S402
Query, based on the user address, a region that the user belongs to
S403

FIG. 4

STATE GRID

BEIJING ELECTRIC POWER CORPORATION

| Power consumption registration form of smart electricity meter customers | | | | | |
|---|---|---|---|---|---|
| User name | Small business | Address | 1-107, building No. 2, Boxing Road 9 | Customer number | 1003427548 |
| Housing property institution (property management institution): | | | | | |
| Meter record | Factory name | Xi'an Liangli | Meter number | 0000485605 | Calibration current | 10 (100) A |



FIG. 5

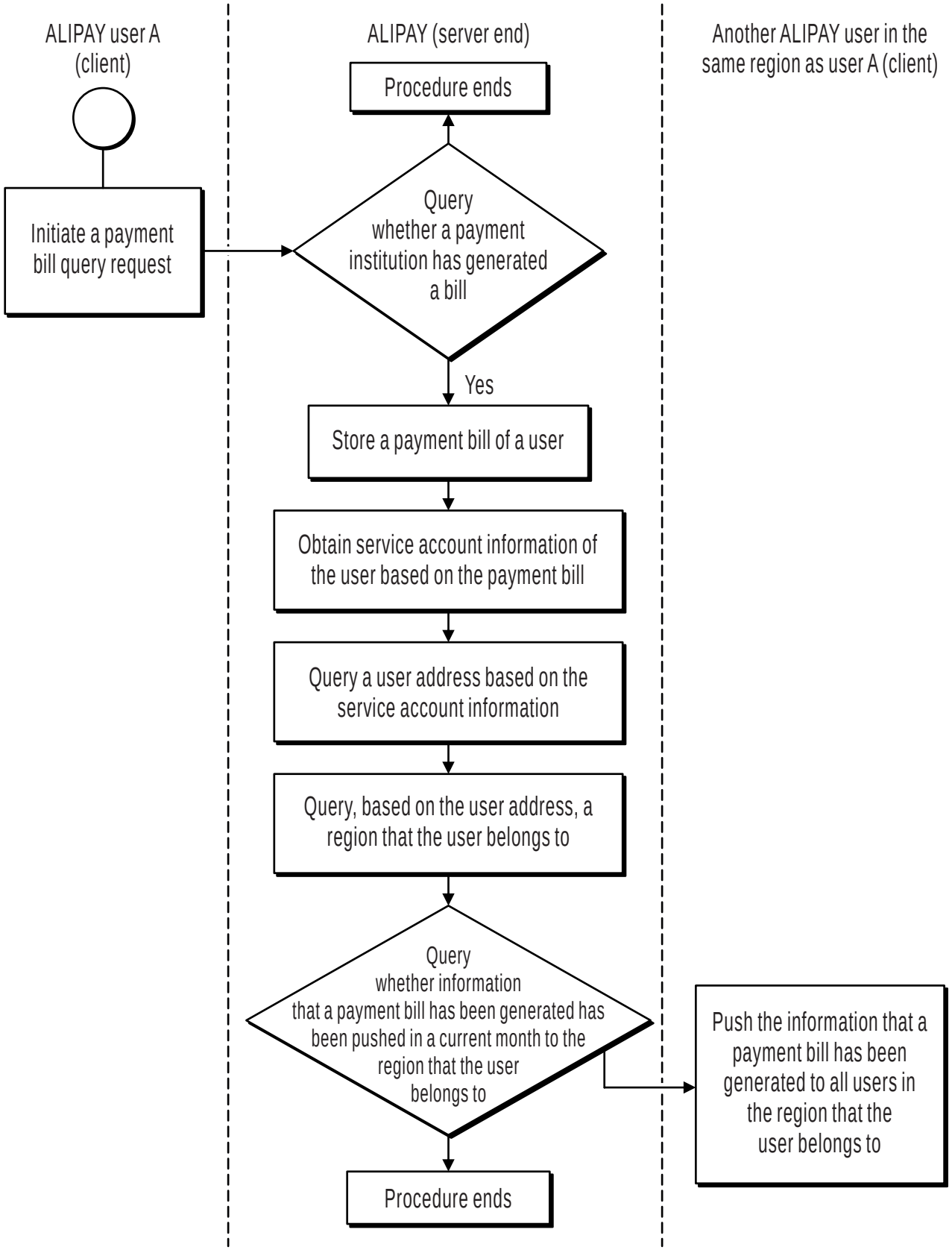

ALIPAY user A (client)
ALIPAY (server end)
Another ALIPAY user in the same region as user A (client)
Initiate a payment bill query request
Query whether a payment institution has generated a bill
Procedure ends
Yes
Store a payment bill of a user
Obtain service account information of the user based on the payment bill
Query a user address based on the service account information
Query, based on the user address, a region that the user belongs to
Query whether information that a payment bill has been generated has been pushed in a current month to the region that the user belongs to
Push the information that a payment bill has been generated to all users in the region that the user belongs to
Procedure ends

**FIG. 6**

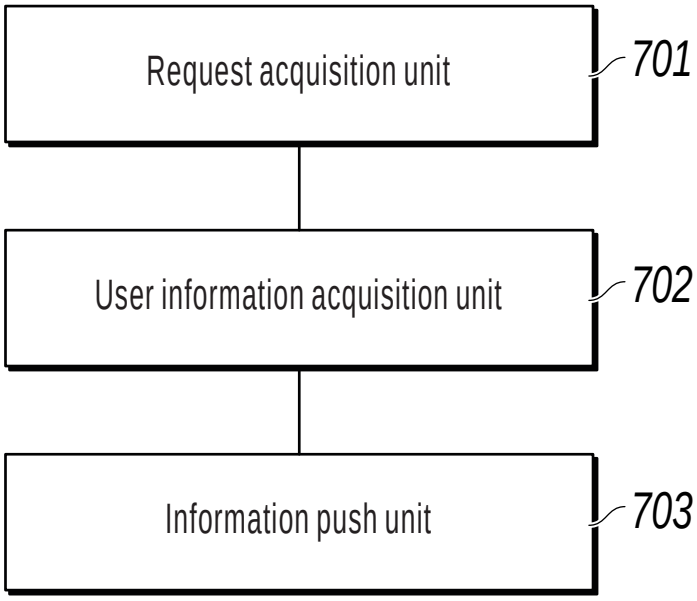

Request acquisition unit
701
User information acquisition unit
702
Information push unit
703

FIG. 7

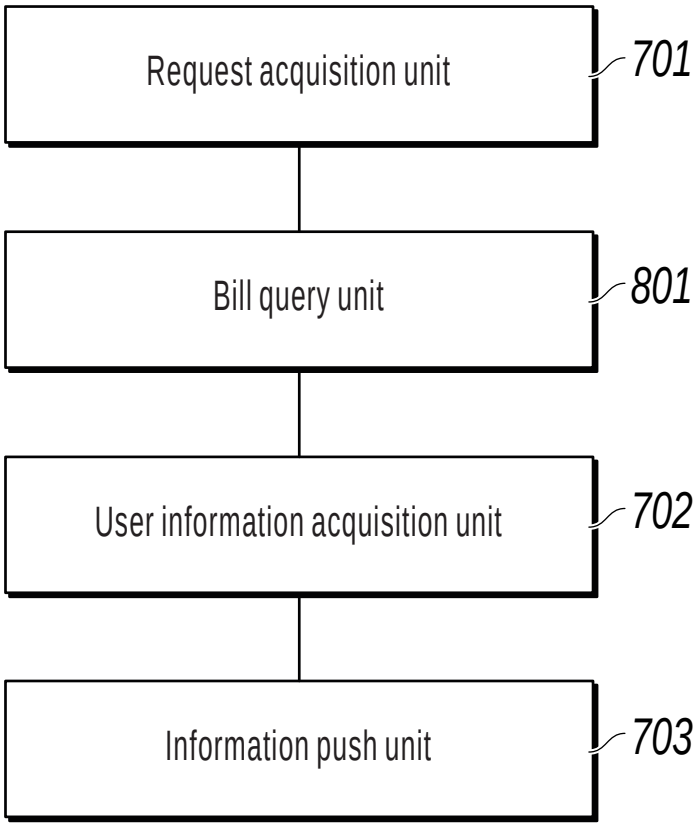

Request acquisition unit
701
Bill query unit
801
User information acquisition unit
702
Information push unit
703

FIG. 8

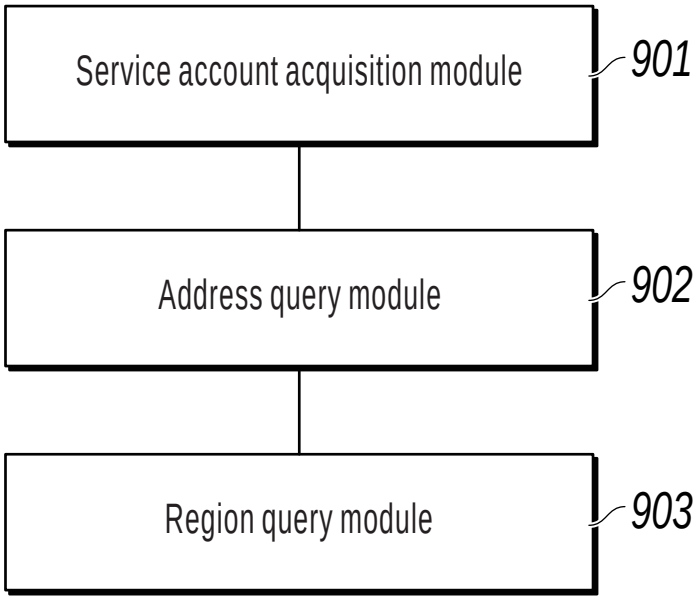

Service account acquisition module
901
Address query module
902
Region query module
903

FIG. 9

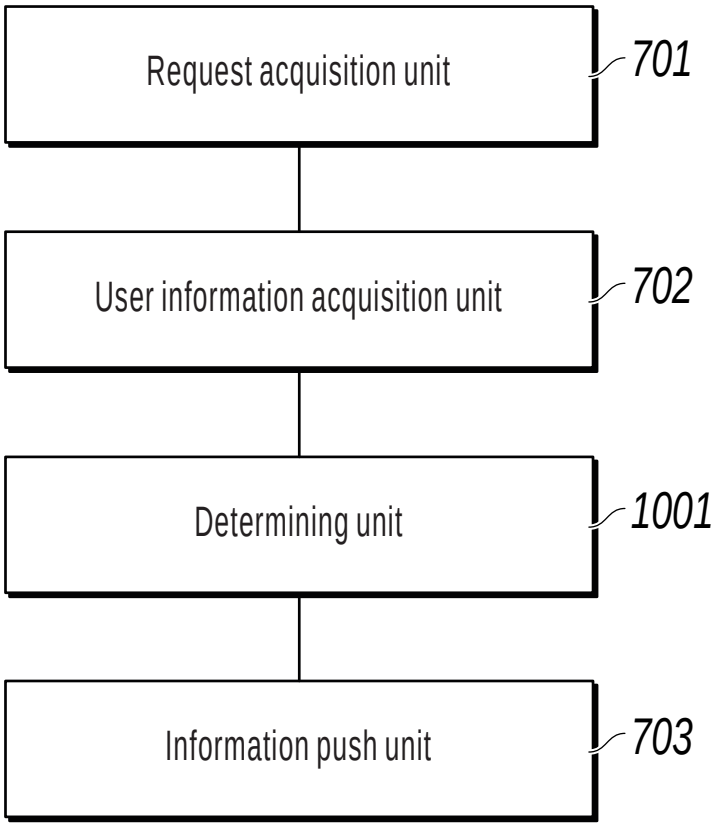

Request acquisition unit
701
User information acquisition unit
702
Determining unit
1001
Information push unit
703

FIG. 10