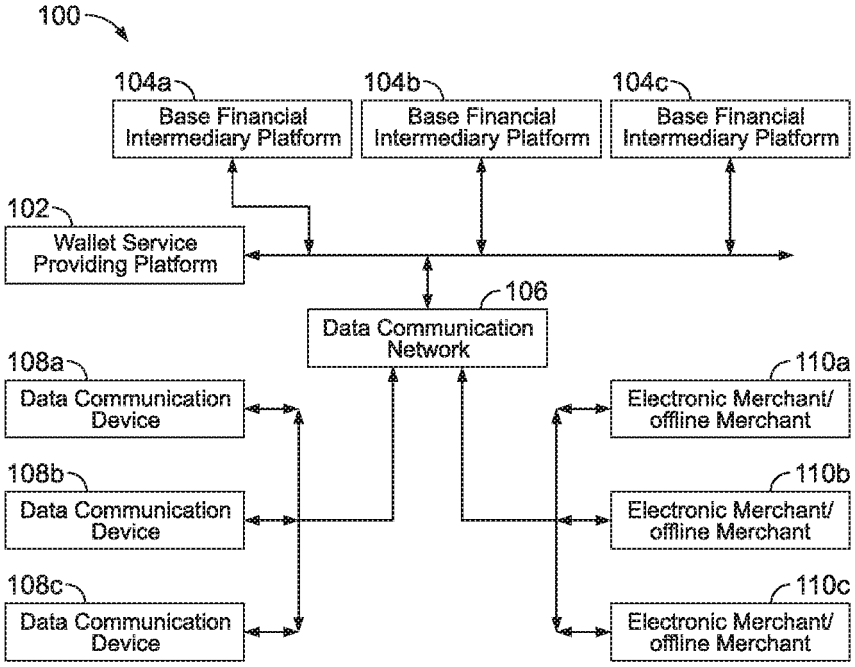

100
104a
Base Financial Intermediary Platform
104b
Base Financial Intermediary Platform
104c
Base Financial Intermediary Platform
102
Wallet Service Providing Platform
106
Data Communication Network
108a
Data Communication Device
108b
Data Communication Device
108c
Data Communication Device
110a
Electronic Merchant/ offline Merchant
110b
Electronic Merchant/ offline Merchant
110c
Electronic Merchant/ offline Merchant

FIG. 1

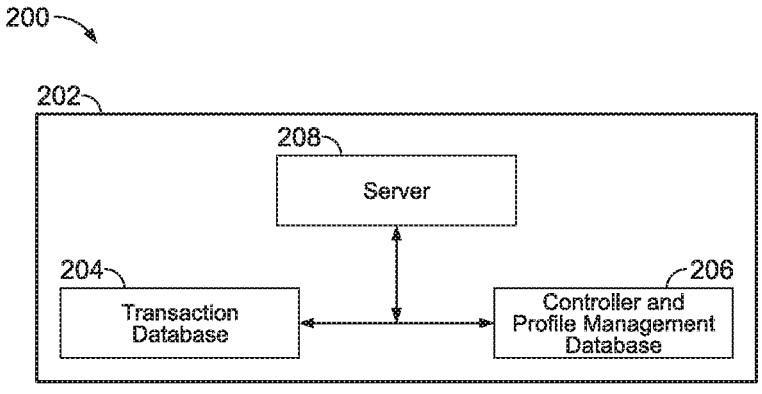

200
202
208
Server
204
Transaction Database
206
Controller and Profile Management Database

FIG. 2

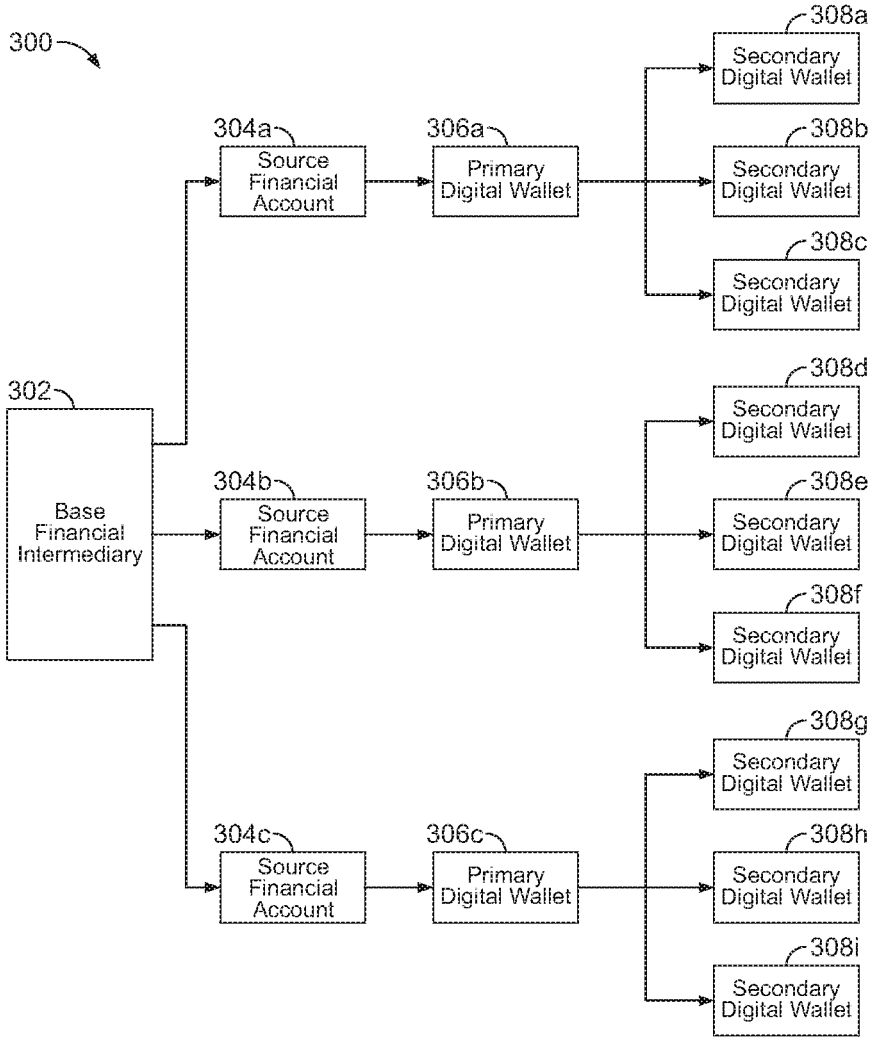

300
302
Base Financial Intermediary
304a
Source Financial Account
304b
Source Financial Account
304c
Source Financial Account
306a
Primary Digital Wallet
306b
Primary Digital Wallet
306c
Primary Digital Wallet
308a
Secondary Digital Wallet
308b
Secondary Digital Wallet
308c
Secondary Digital Wallet
308d
Secondary Digital Wallet
308e
Secondary Digital Wallet
308f
Secondary Digital Wallet
308g
Secondary Digital Wallet
308h
Secondary Digital Wallet
308i
Secondary Digital Wallet

FIG. 3

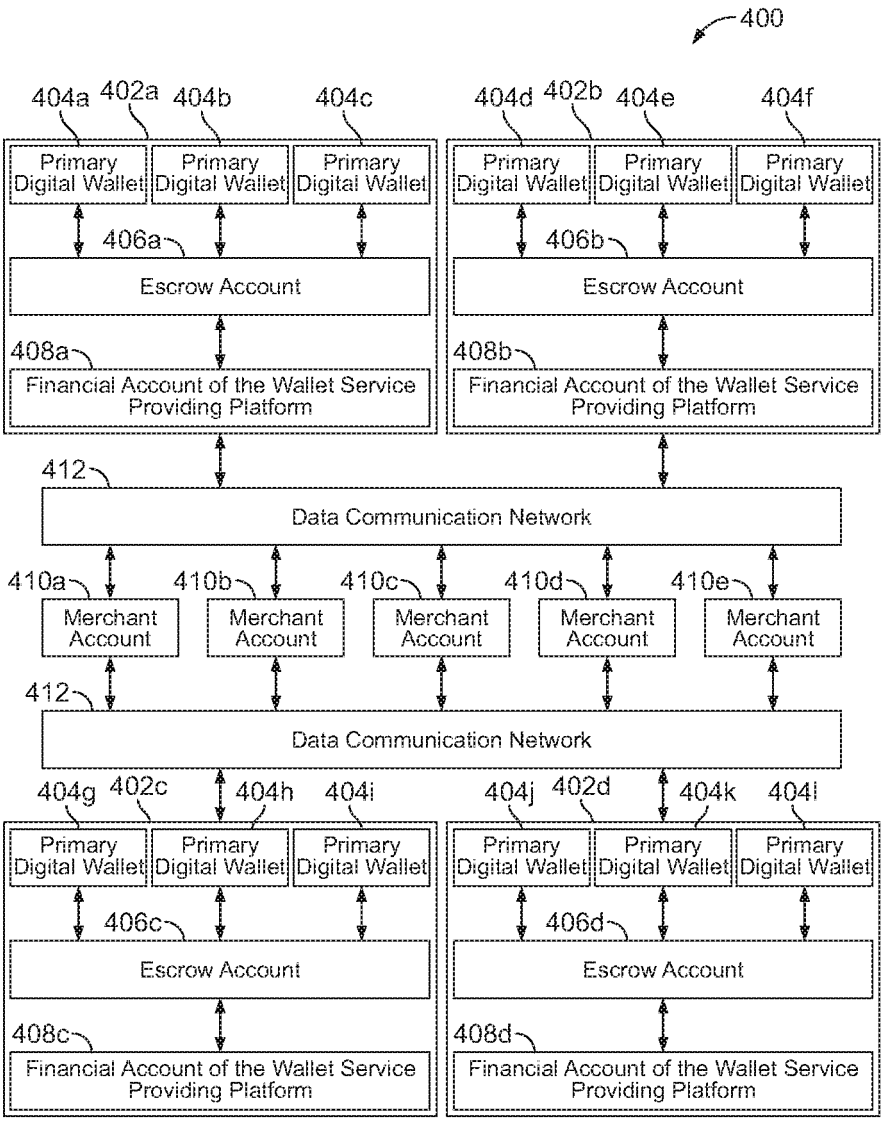

400
404a
402a
404b
404c
404d
402b
404e
404f
Primary Digital Wallet
406a
406b
Escrow Account
408a
408b
Financial Account of the Wallet Service Providing Platform
412
Data Communication Network
410a
410b
410c
410d
410e
Merchant Account
404g
402c
404h
404i
404j
402d
404k
404l
406c
406d
408c
408d

FIG. 4

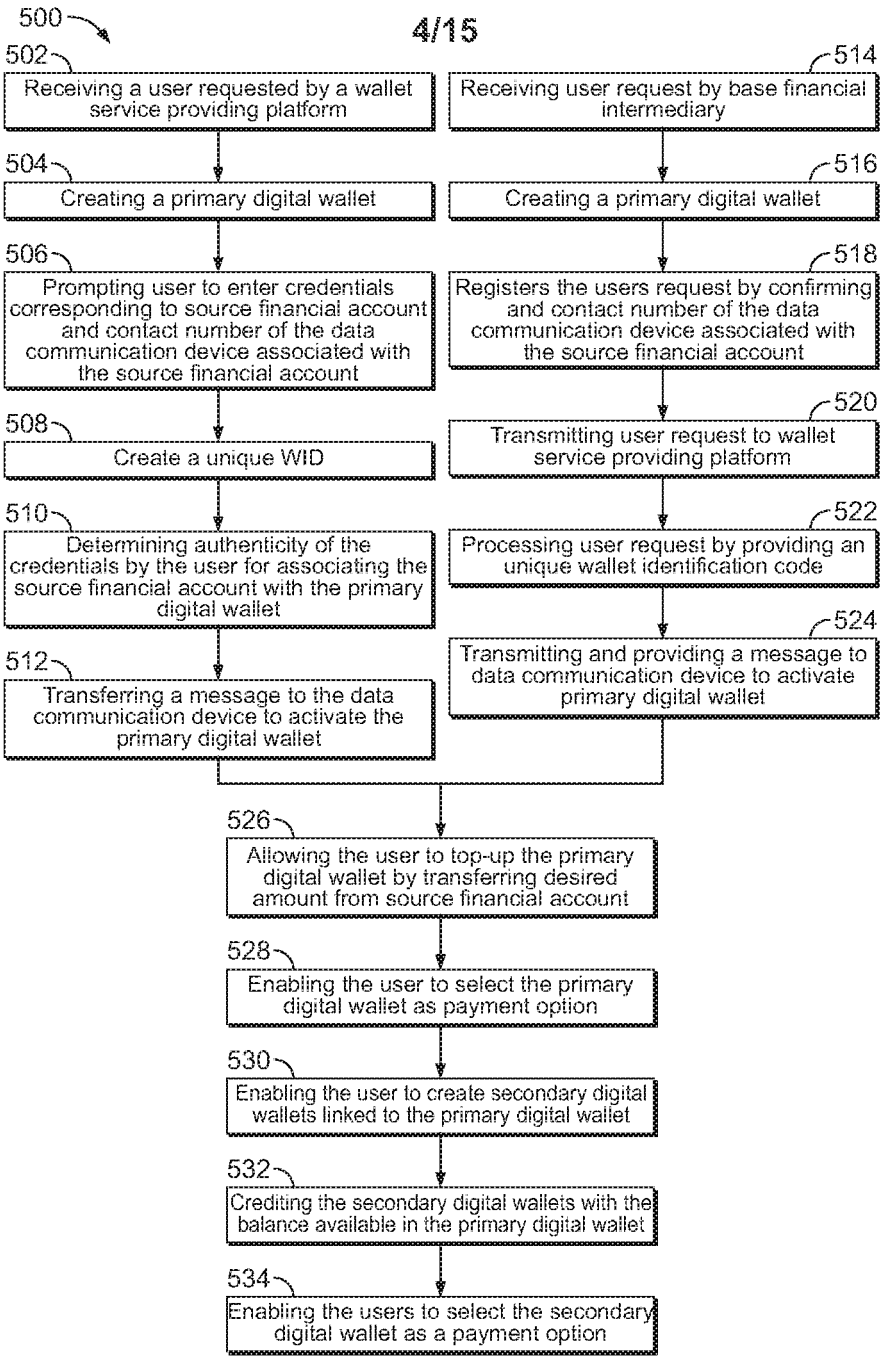

500
502
Receiving a user requested by a wallet service providing platform
504
Creating a primary digital wallet
506
Prompting user to enter credentials corresponding to source financial account and contact number of the data communication device associated with the source financial account
508
Create a unique WID
510
Determining authenticity of the credentials by the user for associating the source financial account with the primary digital wallet
512
Transferring a message to the data communication device to activate the primary digital wallet
514
Receiving user request by base financial intermediary
516
Creating a primary digital wallet
518
Registers the users request by confirming and contact number of the data communication device associated with the source financial account
520
Transmitting user request to wallet service providing platform
522
Processing user request by providing an unique wallet identification code
524
Transmitting and providing a message to data communication device to activate primary digital wallet
526
Allowing the user to top-up the primary digital wallet by transferring desired amount from source financial account
528
Enabling the user to select the primary digital wallet as payment option
530
Enabling the user to create secondary digital wallets linked to the primary digital wallet
532
Crediting the secondary digital wallets with the balance available in the primary digital wallet
534
Enabling the users to select the secondary digital wallet as a payment option

FIG. 5

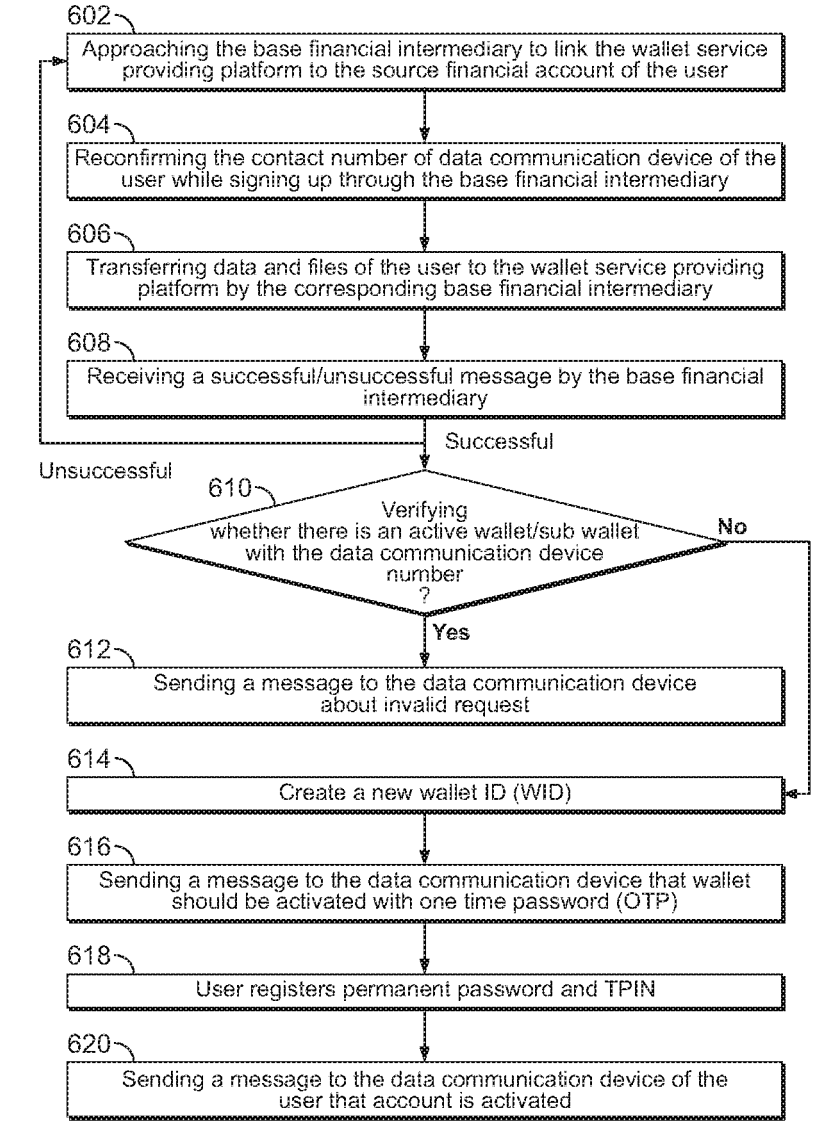

600
602
Approaching the base financial intermediary to link the wallet service providing platform to the source financial account of the user
604
Reconfirming the contact number of data communication device of the user while signing up through the base financial intermediary
606
Transferring data and files of the user to the wallet service providing platform by the corresponding base financial intermediary
608
Receiving a successful/unsuccessful message by the base financial intermediary
Successful
Unsuccessful
610
Verifying whether there is an active wallet/sub wallet with the data communication device number ?
No
Yes
612
Sending a message to the data communication device about invalid request
614
Create a new wallet ID (WID)
616
Sending a message to the data communication device that wallet should be activated with one time password (OTP)
618
User registers permanent password and TPIN
620
Sending a message to the data communication device of the user that account is activated

FIG. 6

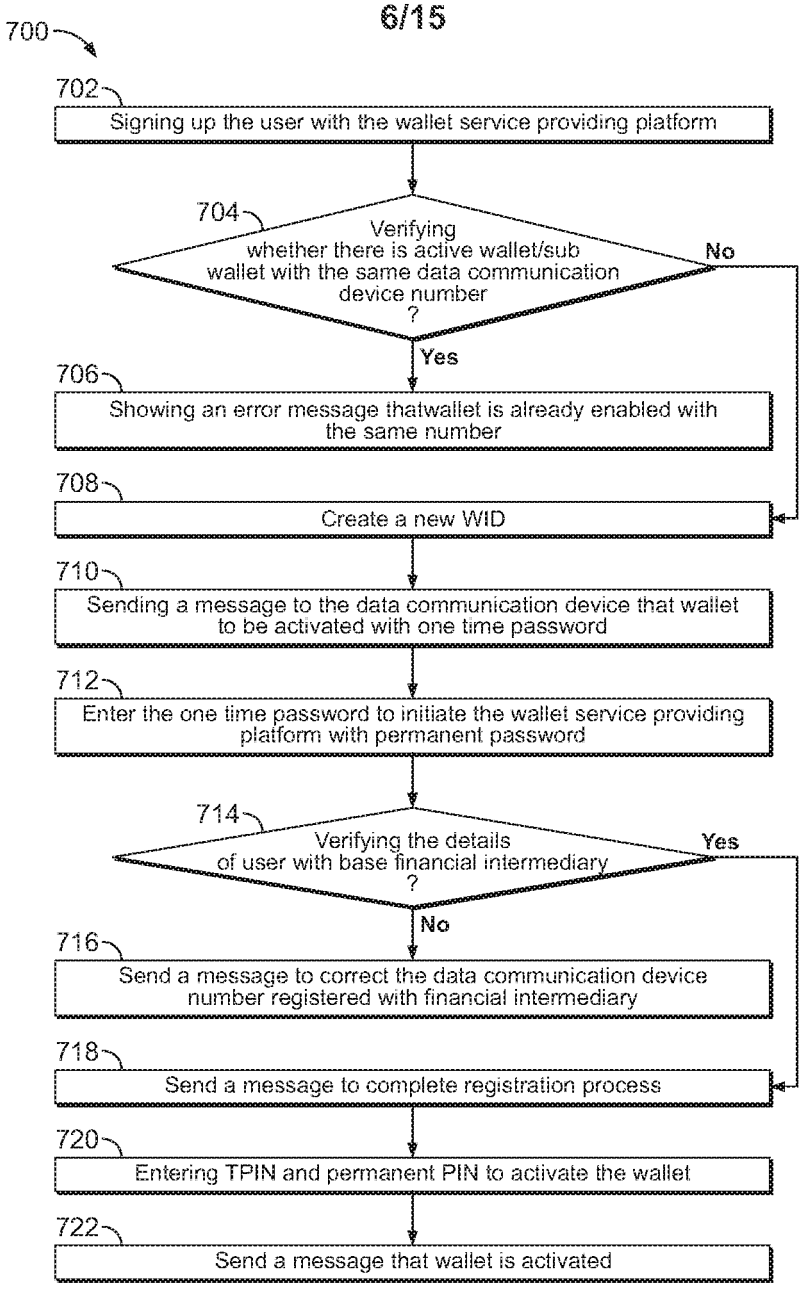

700
702
Signing up the user with the wallet service providing platform
704
Verifying whether there is active wallet/sub wallet with the same data communication device number ?
No
Yes
706
Showing an error message thatwallet is already enabled with the same number
708
Create a new WID
710
Sending a message to the data communication device that wallet to be activated with one time password
712
Enter the one time password to initiate the wallet service providing platform with permanent password
714
Verifying the details of user with base financial intermediary ?
Yes
No
716
Send a message to correct the data communication device number registered with financial intermediary
718
Send a message to complete registration process
720
Entering TPIN and permanent PIN to activate the wallet
722
Send a message that wallet is activated

FIG. 7

FIG. 1

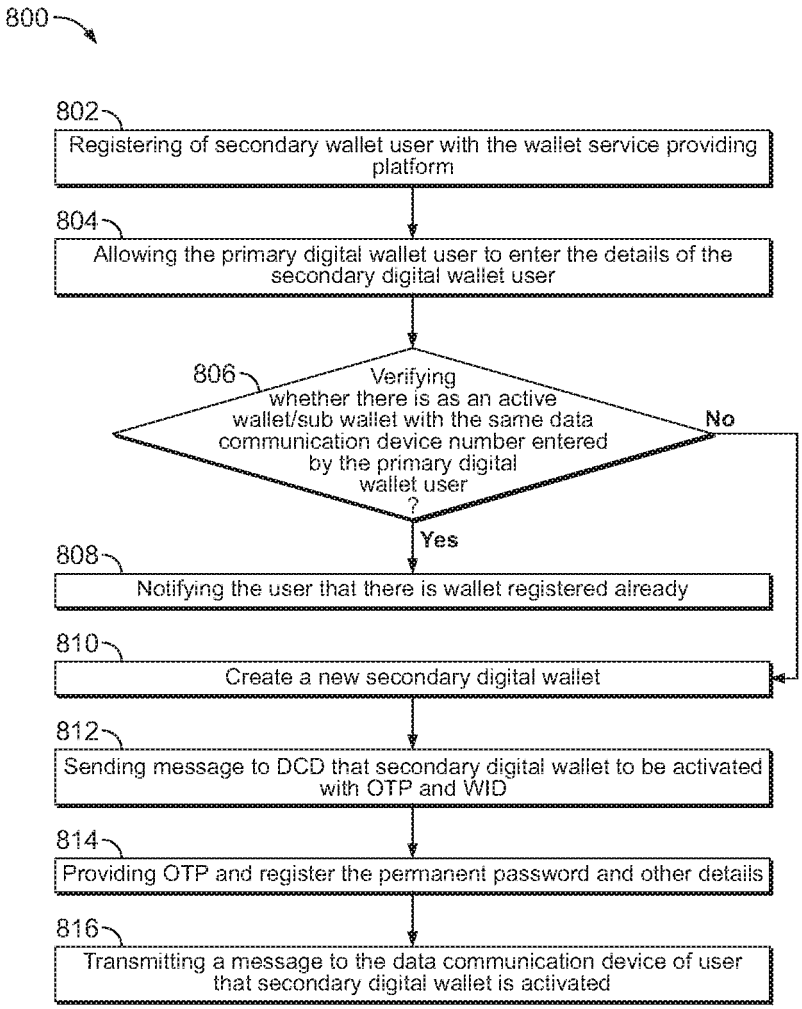

800
802
Registering of secondary wallet user with the wallet service providing platform
804
Allowing the primary digital wallet user to enter the details of the secondary digital wallet user
806
Verifying whether there is as an active wallet/sub wallet with the same data communication device number entered by the primary digital wallet user ?
No
Yes
808
Notifying the user that there is wallet registered already
810
Create a new secondary digital wallet
812
Sending message to DCD that secondary digital wallet to be activated with OTP and WID
814
Providing OTP and register the permanent password and other details
816
Transmitting a message to the data communication device of user that secondary digital wallet is activated

FIG. 8

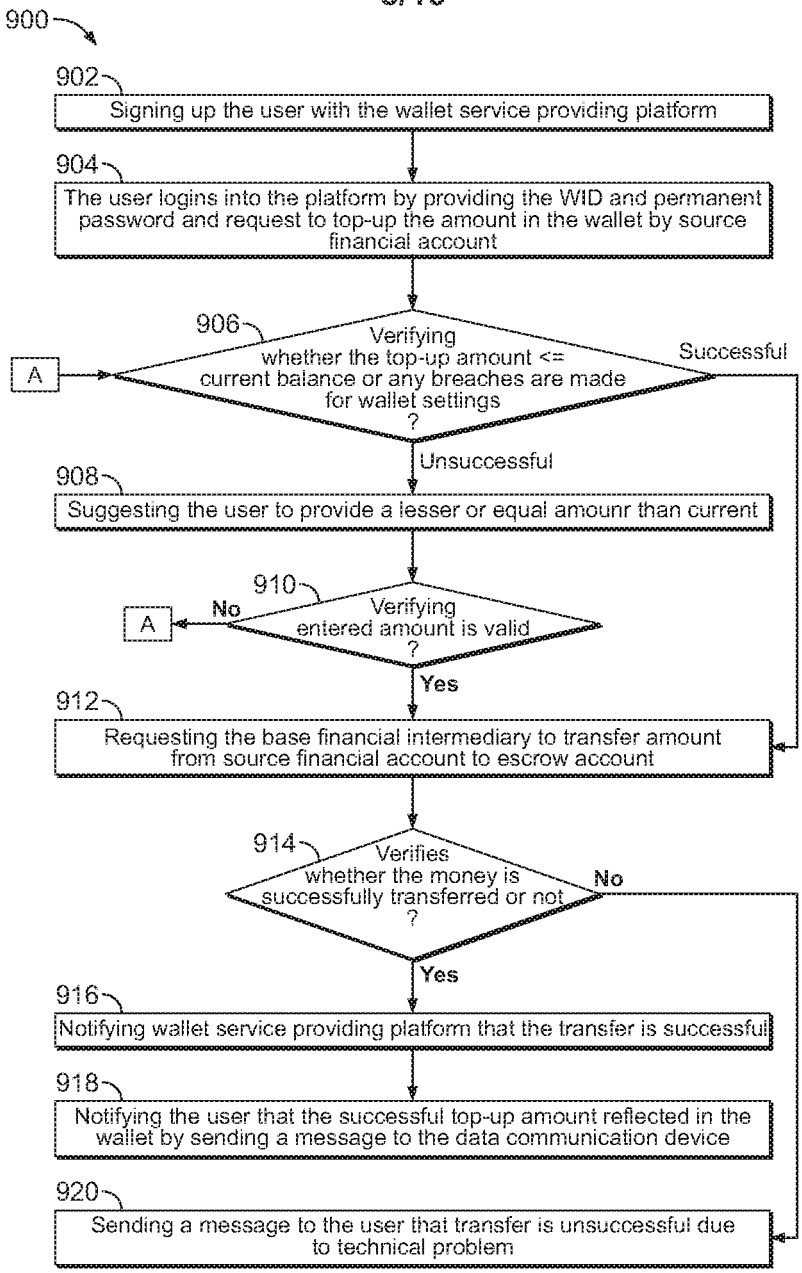

900
902
Signing up the user with the wallet service providing platform
904
The user logins into the platform by providing the WID and permanent password and request to top-up the amount in the wallet by source financial account
906
A
Verifying whether the top-up amount <= current balance or any breaches are made for wallet settings ?
Successful
Unsuccessful
908
Suggesting the user to provide a lesser or equal amounr than current
910
A
No
Verifying entered amount is valid ?
Yes
912
Requesting the base financial intermediary to transfer amount from source financial account to escrow account
914
Verifies whether the money is successfully transferred or not ?
No
Yes
916
Notifying wallet service providing platform that the transfer is successful
918
Notifying the user that the successful top-up amount reflected in the wallet by sending a message to the data communication device
920
Sending a message to the user that transfer is unsuccessful due to technical problem

FIG. 9

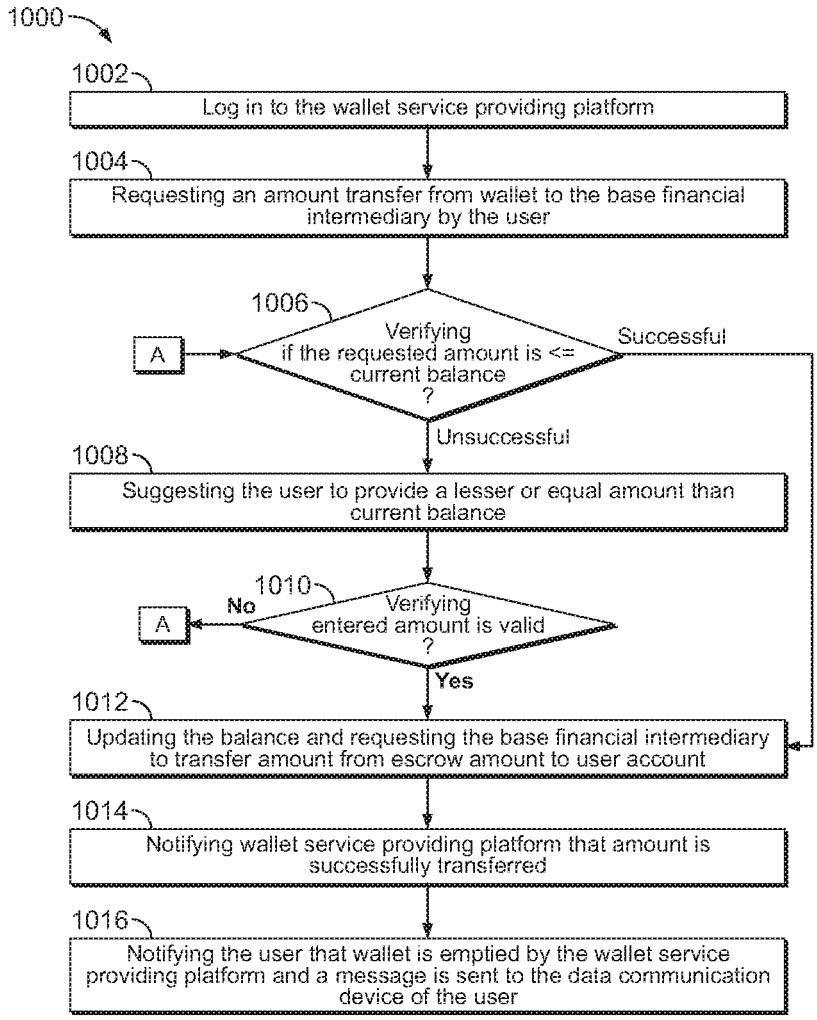

1000
1002
Log in to the wallet service providing platform
1004
Requesting an amount transfer from wallet to the base financial intermediary by the user
1006
A
Verifying if the requested amount is <= current balance ?
Successful
Unsuccessful
1008
Suggesting the user to provide a lesser or equal amount than current balance
1010
No
A
Verifying entered amount is valid ?
Yes
1012
Updating the balance and requesting the base financial intermediary to transfer amount from escrow amount to user account
1014
Notifying wallet service providing platform that amount is successfully transferred
1016
Notifying the user that wallet is emptied by the wallet service providing platform and a message is sent to the data communication device of the user

FIG. 10

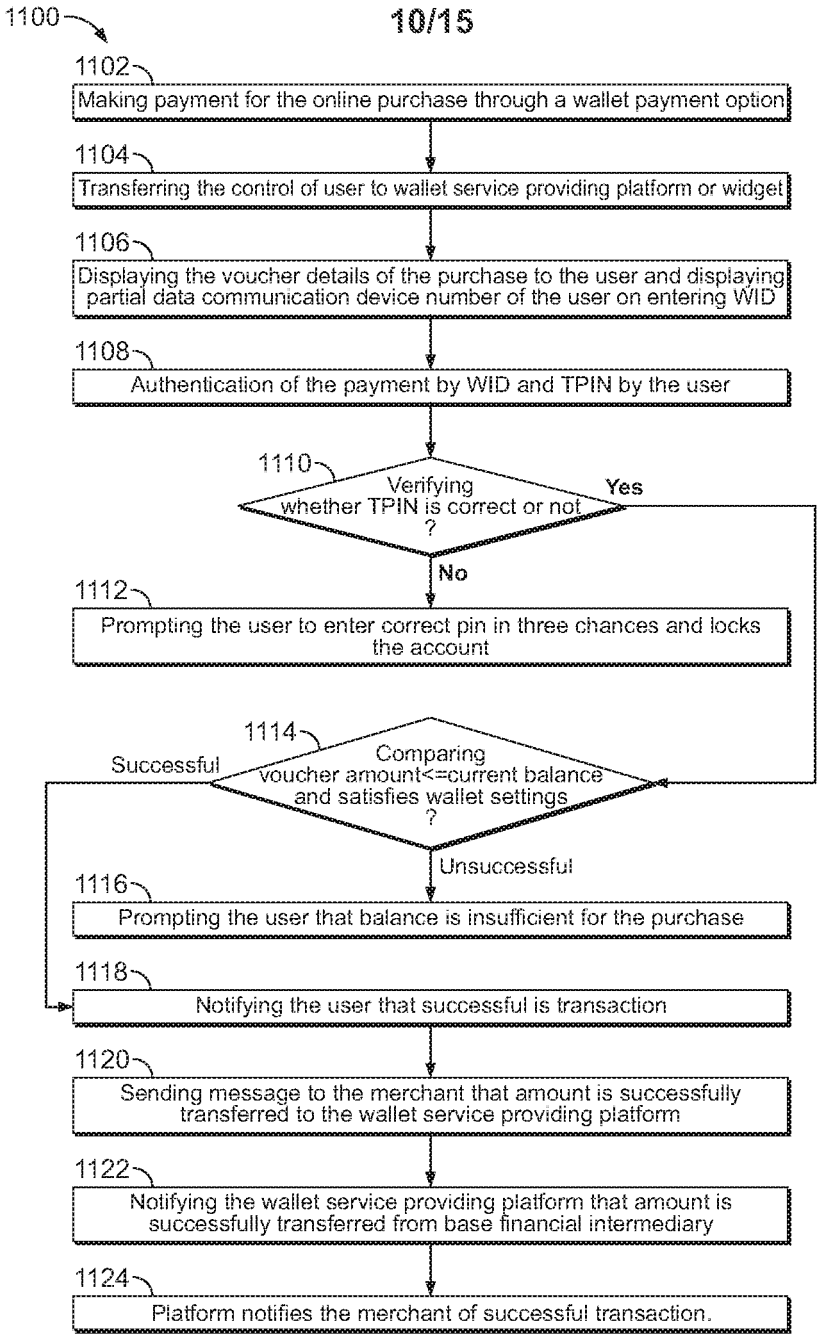

1100
1102
Making payment for the online purchase through a wallet payment option
1104
Transferring the control of user to wallet service providing platform or widget
1106
Displaying the voucher details of the purchase to the user and displaying partial data communication device number of the user on entering WID
1108
Authentication of the payment by WID and TPIN by the user
1110
Verifying whether TPIN is correct or not ?
Yes
No
1112
Prompting the user to enter correct pin in three chances and locks the account
1114
Comparing voucher amount<=current balance and satisfies wallet settings ?
Successful
Unsuccessful
1116
Prompting the user that balance is insufficient for the purchase
1118
Notifying the user that successful is transaction
1120
Sending message to the merchant that amount is successfully transferred to the wallet service providing platform
1122
Notifying the wallet service providing platform that amount is successfully transferred from base financial intermediary
1124
Platform notifies the merchant of successful transaction.

FIG. 11

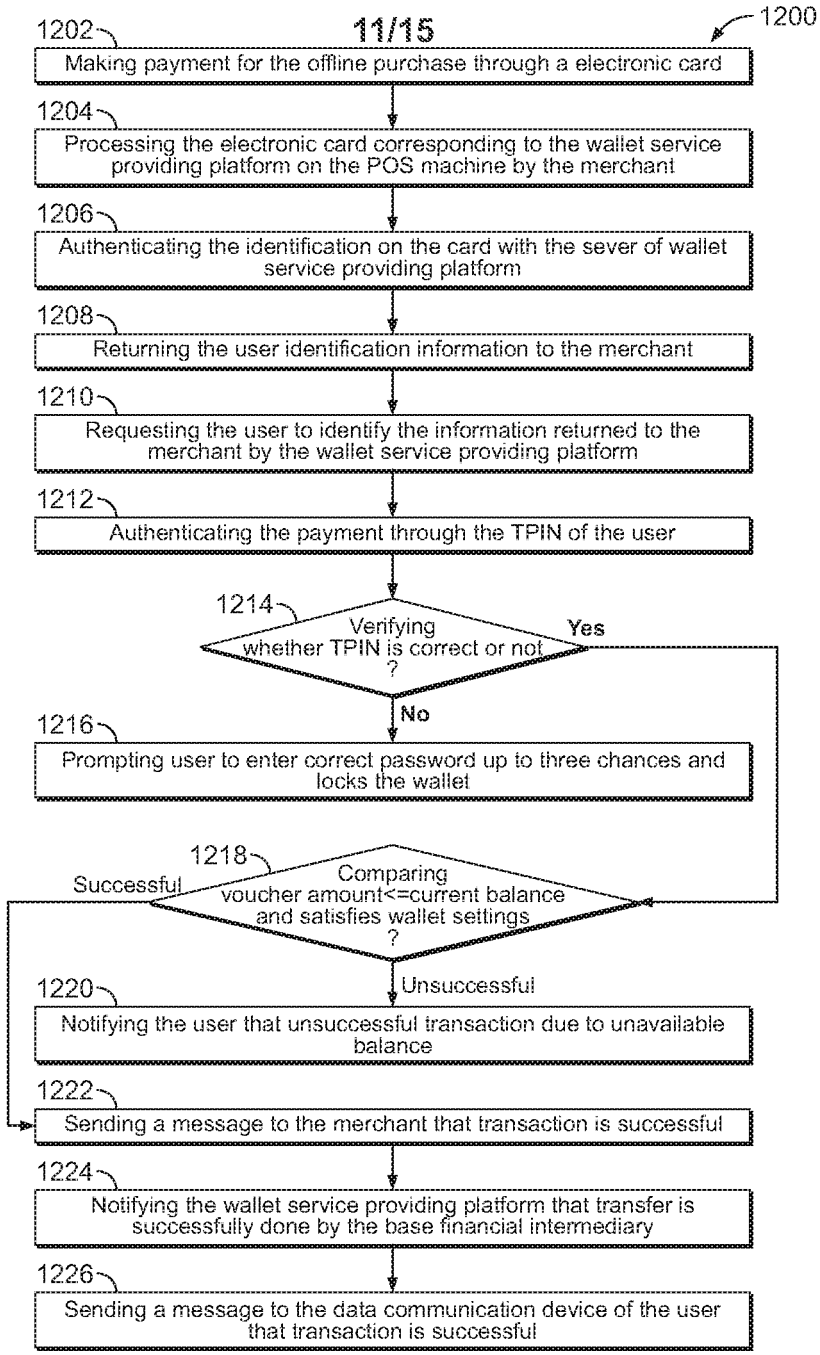

1200
1202
Making payment for the offline purchase through a electronic card
1204
Processing the electronic card corresponding to the wallet service providing platform on the POS machine by the merchant
1206
Authenticating the identification on the card with the sever of wallet service providing platform
1208
Returning the user identification information to the merchant
1210
Requesting the user to identify the information returned to the merchant by the wallet service providing platform
1212
Authenticating the payment through the TPIN of the user
1214
Verifying whether TPIN is correct or not ?
Yes
No
1216
Prompting user to enter correct password up to three chances and locks the wallet
1218
Comparing voucher amount<=current balance and satisfies wallet settings ?
Successful
Unsuccessful
1220
Notifying the user that unsuccessful transaction due to unavailable balance
1222
Sending a message to the merchant that transaction is successful
1224
Notifying the wallet service providing platform that transfer is successfully done by the base financial intermediary
1226
Sending a message to the data communication device of the user that transaction is successful

FIG. 12

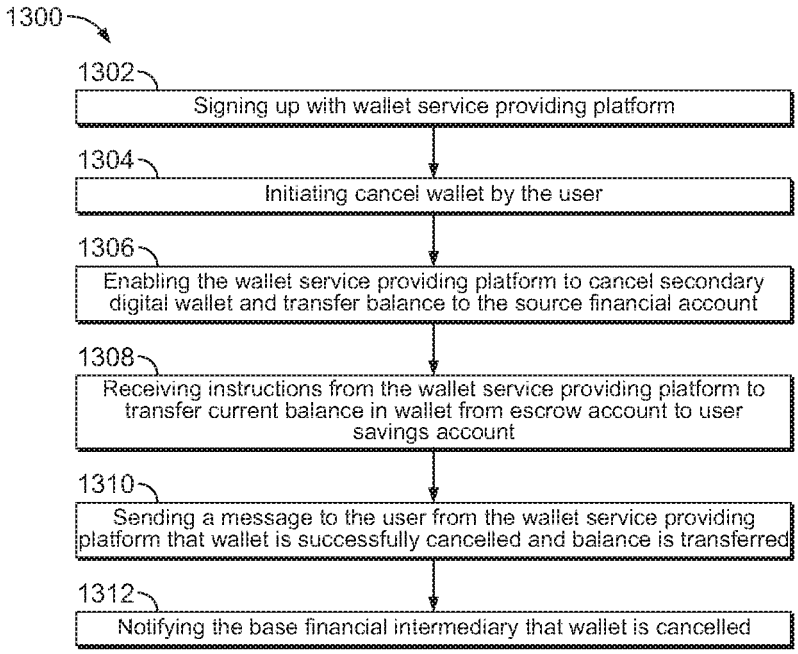

1300
1302
Signing up with wallet service providing platform
1304
Initiating cancel wallet by the user
1306
Enabling the wallet service providing platform to cancel secondary digital wallet and transfer balance to the source financial account
1308
Receiving instructions from the wallet service providing platform to transfer current balance in wallet from escrow account to user savings account
1310
Sending a message to the user from the wallet service providing platform that wallet is successfully cancelled and balance is transferred
1312
Notifying the base financial intermediary that wallet is cancelled

FIG. 13

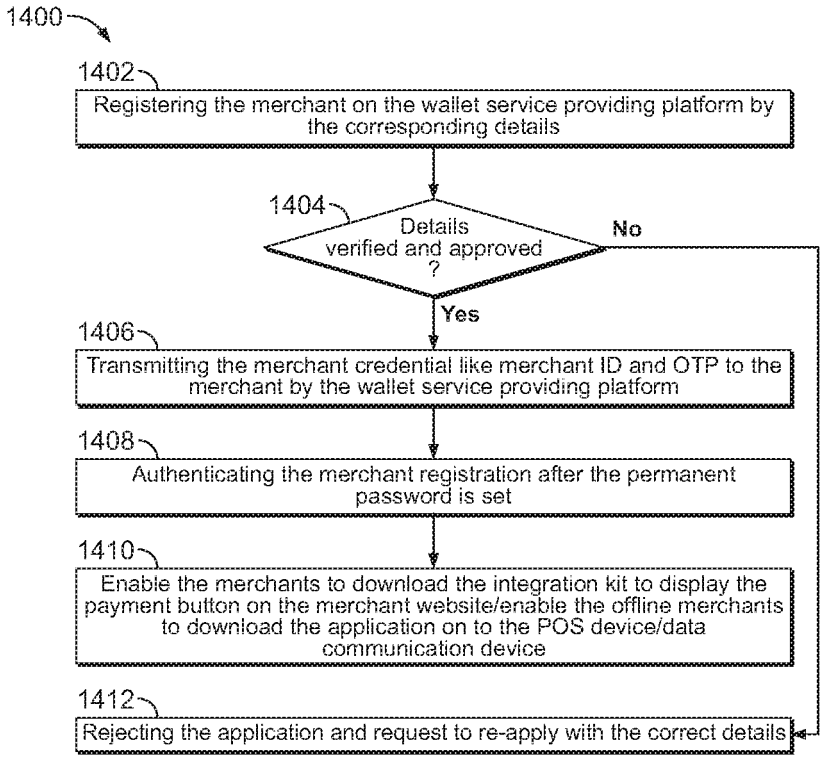

1400
1402
Registering the merchant on the wallet service providing platform by the corresponding details
1404
Details verified and approved ?
No
Yes
1406
Transmitting the merchant credential like merchant ID and OTP to the merchant by the wallet service providing platform
1408
Authenticating the merchant registration after the permanent password is set
1410
Enable the merchants to download the integration kit to display the payment button on the merchant website/enable the offline merchants to download the application on to the POS device/data communication device
1412
Rejecting the application and request to re-apply with the correct details

FIG. 14

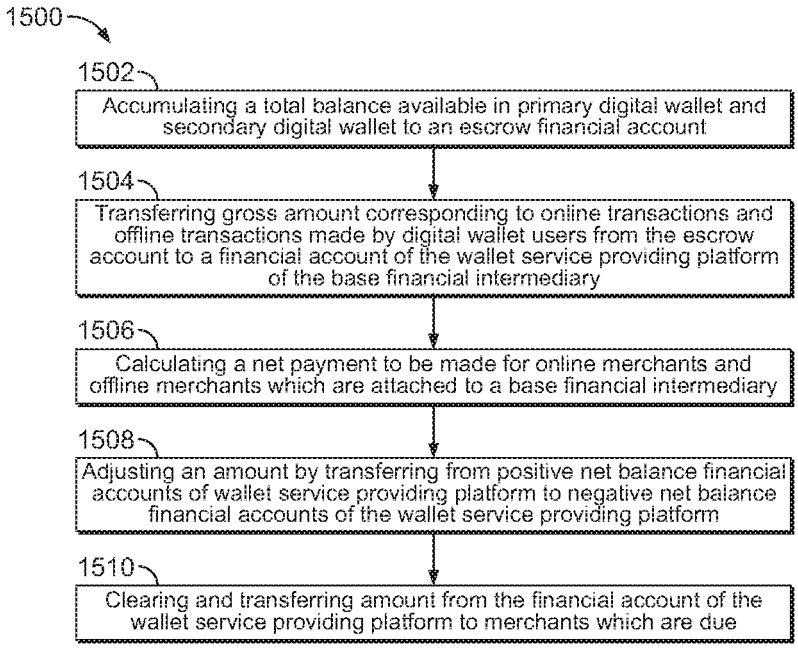

1500
1502
Accumulating a total balance available in primary digital wallet and secondary digital wallet to an escrow financial account
1504
Transferring gross amount corresponding to online transactions and offline transactions made by digital wallet users from the escrow account to a financial account of the wallet service providing platform of the base financial intermediary
1506
Calculating a net payment to be made for online merchants and offline merchants which are attached to a base financial intermediary
1508
Adjusting an amount by transferring from positive net balance financial accounts of wallet service providing platform to negative net balance financial accounts of the wallet service providing platform
1510
Clearing and transferring amount from the financial account of the wallet service providing platform to merchants which are due

FIG. 15

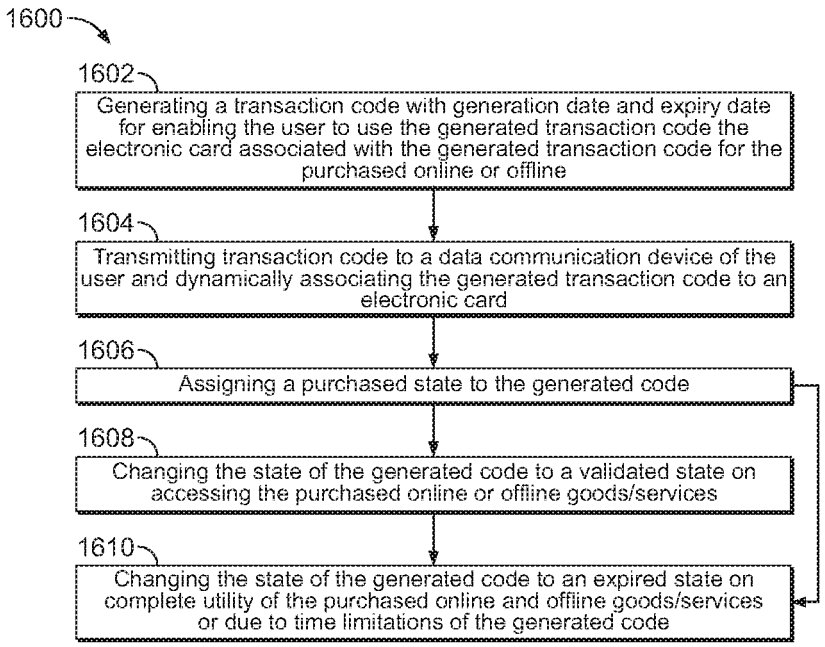

1600
1602
Generating a transaction code with generation date and expiry date for enabling the user to use the generated transaction code the electronic card associated with the generated transaction code for the purchased online or offline
1604
Transmitting transaction code to a data communication device of the user and dynamically associating the generated transaction code to an electronic card
1606
Assigning a purchased state to the generated code
1608
Changing the state of the generated code to a validated state on accessing the purchased online or offline goods/services
1610
Changing the state of the generated code to an expired state on complete utility of the purchased online and offline goods/services or due to time limitations of the generated code

FIG. 16