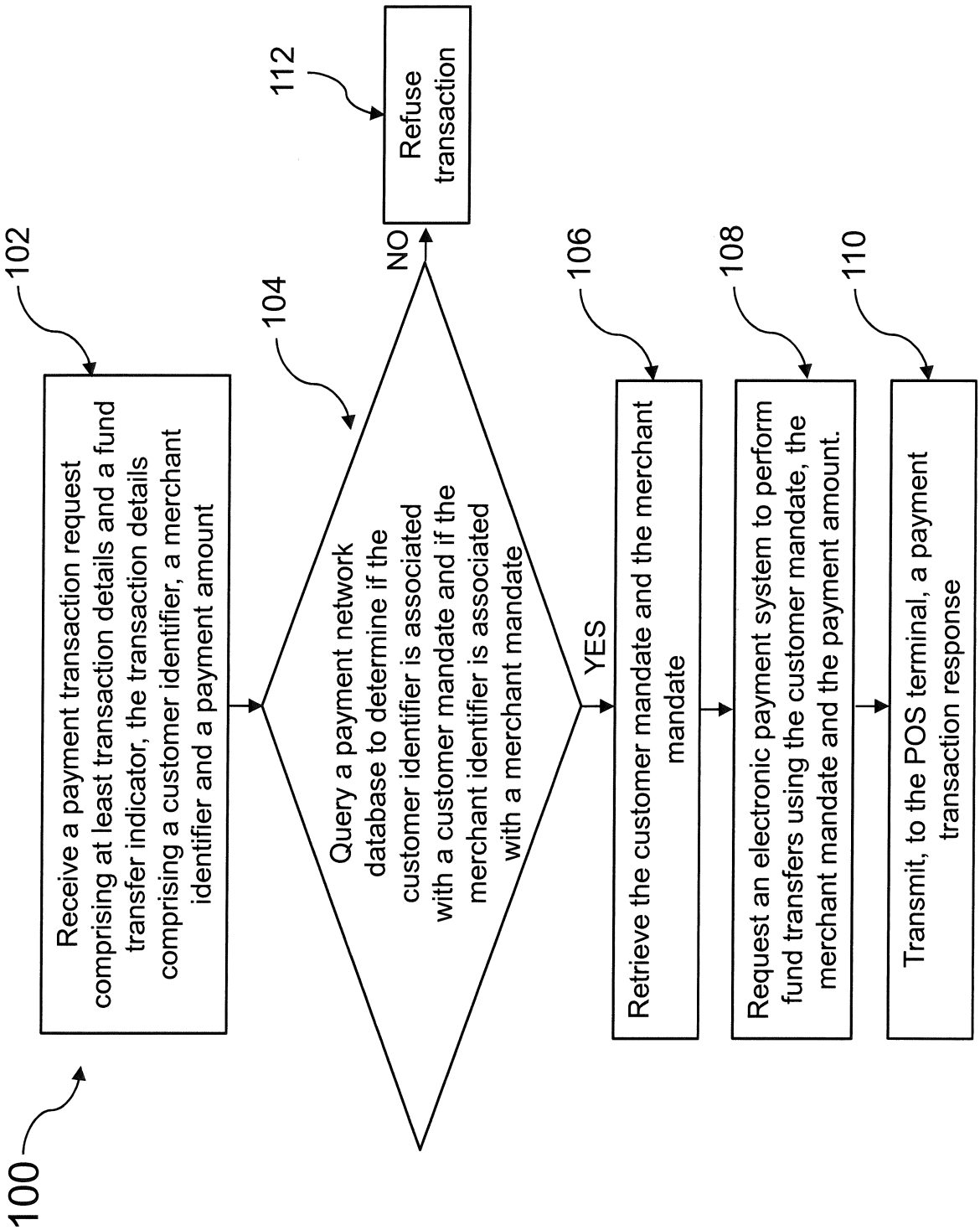

100
102
Receive a payment transaction request comprising at least transaction details and a fund transfer indicator, the transaction details comprising a customer identifier, a merchant identifier and a payment amount
104
Query a payment network database to determine if the customer identifier is associated with a customer mandate and if the merchant identifier is associated with a merchant mandate
NO
112
Refuse transaction
YES
106
Retrieve the customer mandate and the merchant mandate
108
Request an electronic payment system to perform fund transfers using the customer mandate, the merchant mandate and the payment amount.
110
Transmit, to the POS terminal, a payment transaction response

Fig. 1

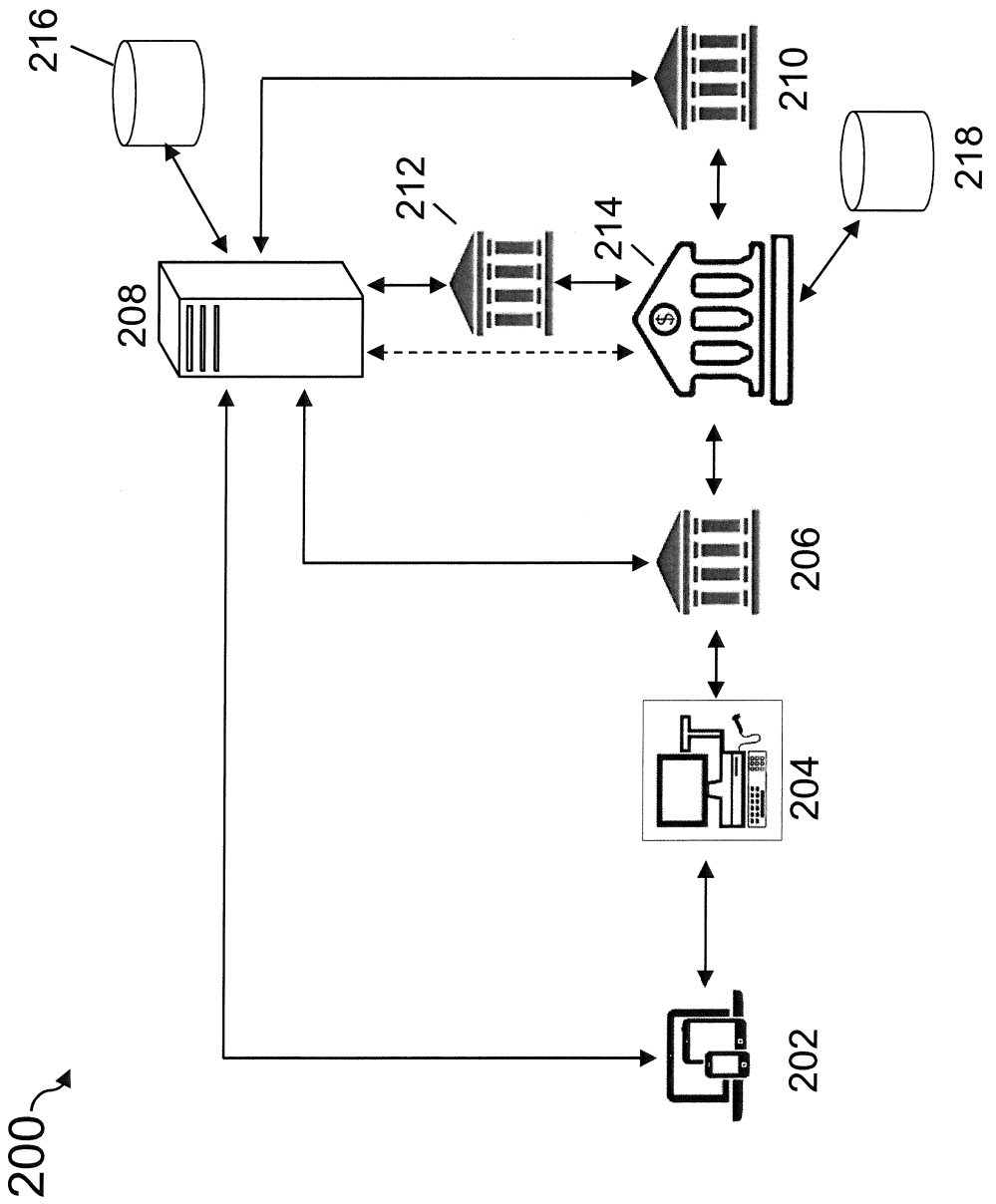


Fig. 2

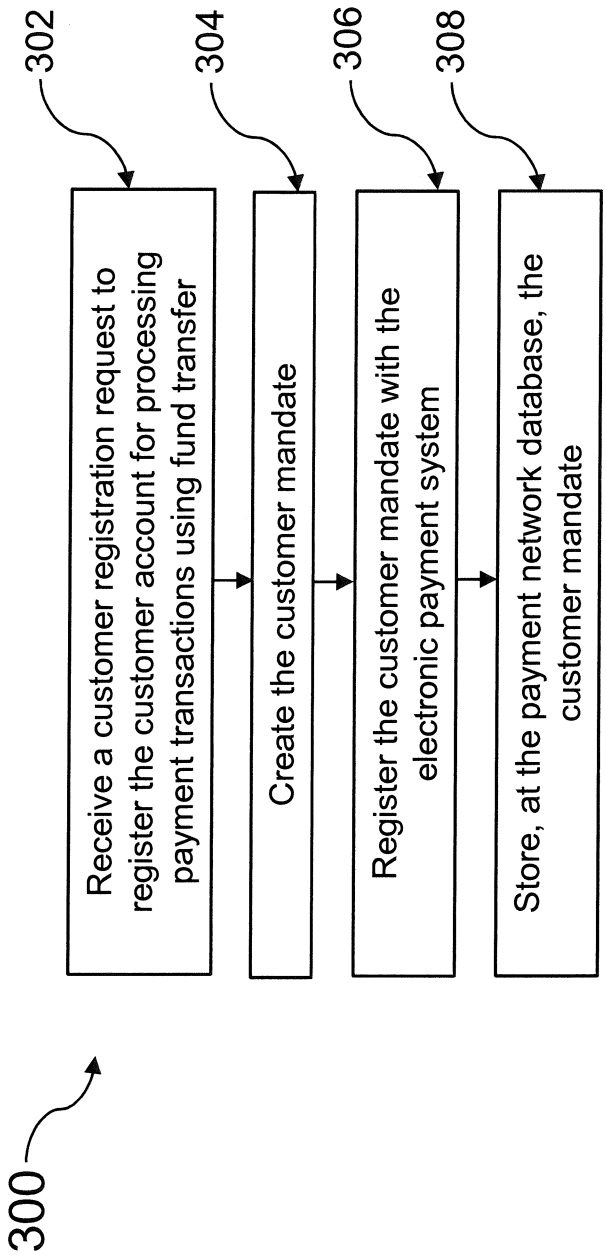

300
302
Receive a customer registration request to register the customer account for processing payment transactions using fund transfer
304
Create the customer mandate
306
Register the customer mandate with the electronic payment system
308
Store, at the payment network database, the customer mandate

Fig. 3

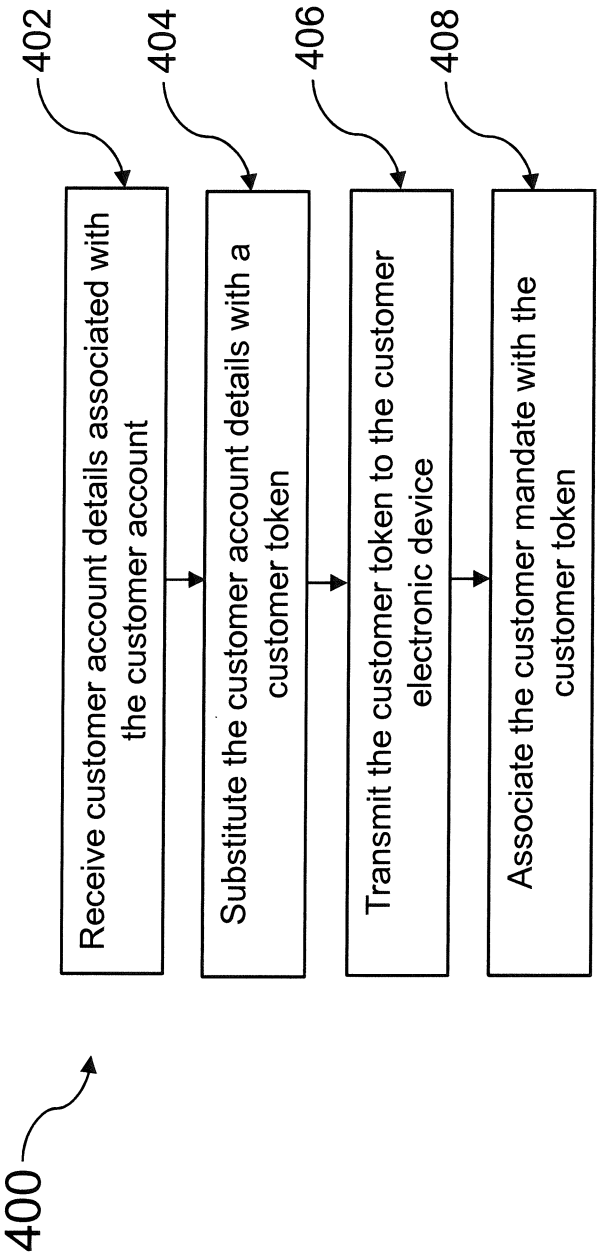

400
402
Receive customer account details associated with the customer account
404
Substitute the customer account details with a customer token
406
Transmit the customer token to the customer electronic device
408
Associate the customer mandate with the customer token

Fig. 4

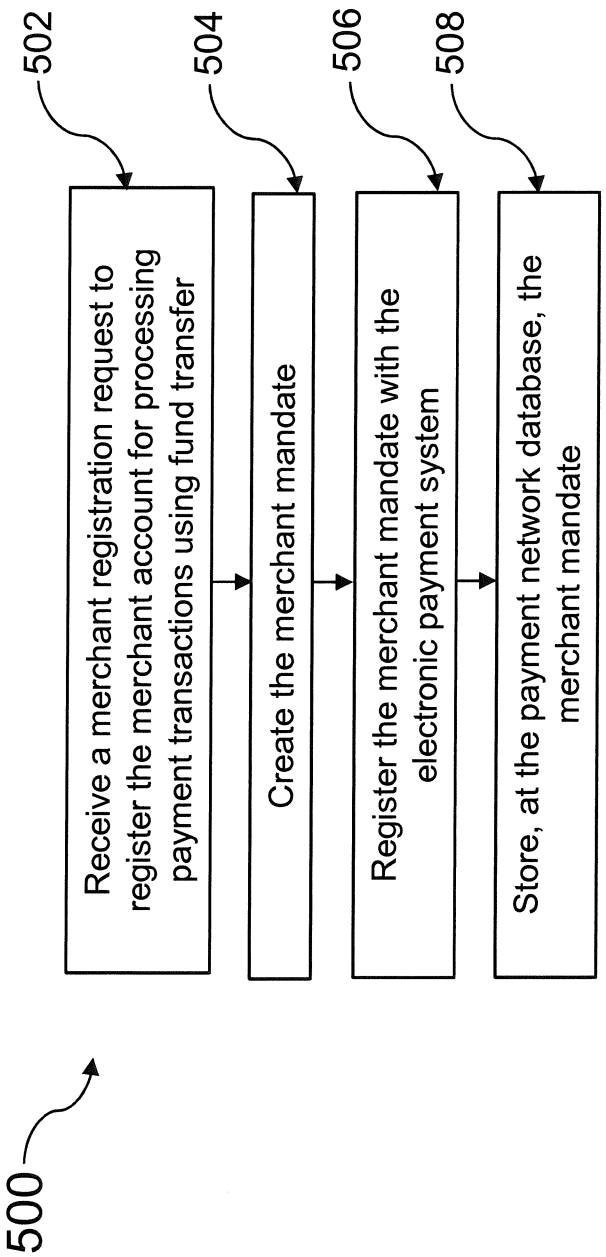

500
502
Receive a merchant registration request to register the merchant account for processing payment transactions using fund transfer
504
Create the merchant mandate
506
Register the merchant mandate with the electronic payment system
508
Store, at the payment network database, the merchant mandate

Fig. 5

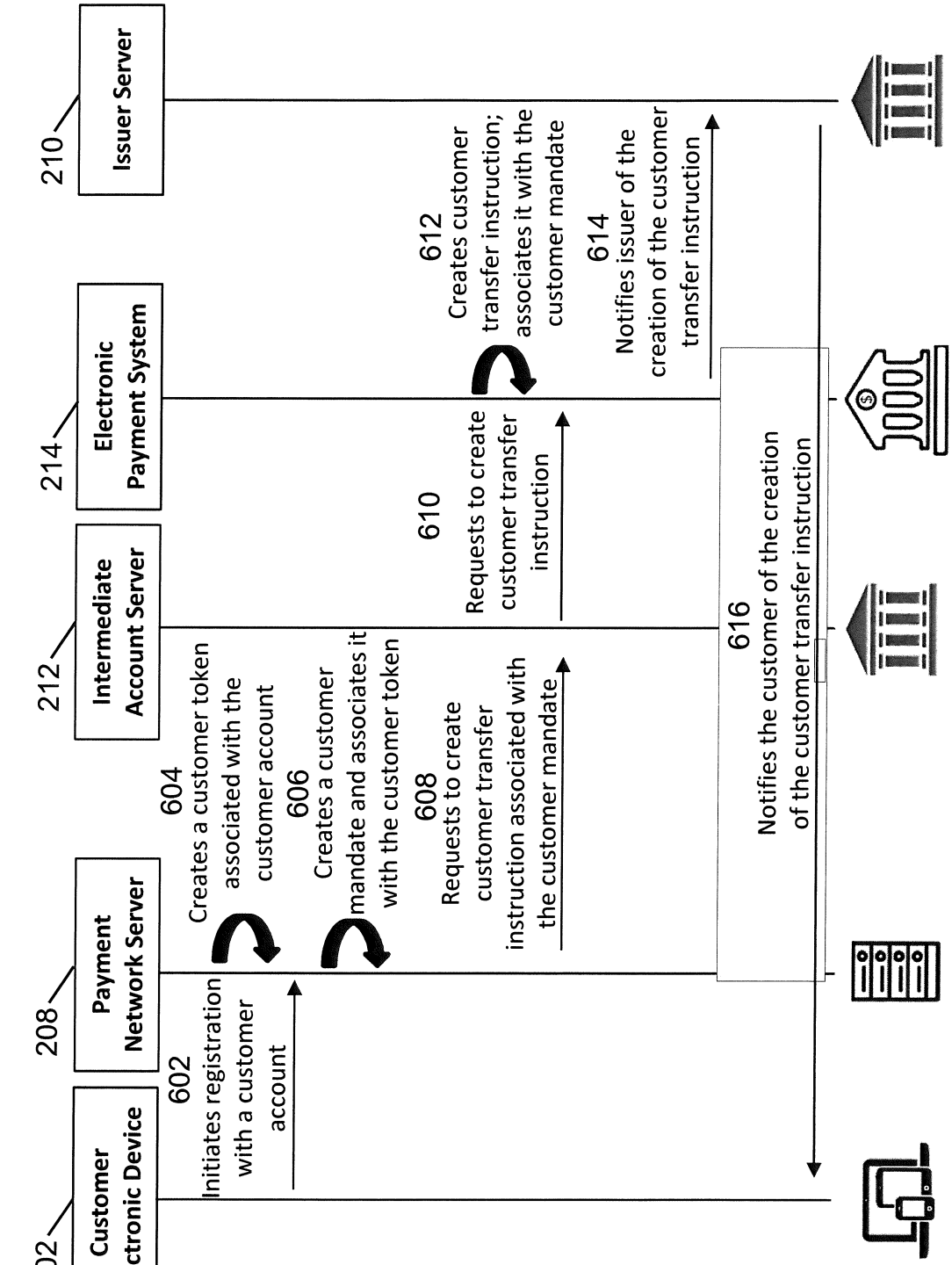

600
202
Customer Electronic Device
208
Payment Network Server
212
Intermediate Account Server
214
Electronic Payment System
210
Issuer Server
602
Initiates registration with a customer account
604
Creates a customer token associated with the customer account
606
Creates a customer mandate and associates it with the customer token
608
Requests to create customer transfer instruction associated with the customer mandate
610
Requests to create customer transfer instruction
612
Creates customer transfer instruction; associates it with the customer mandate
614
Notifies issuer of the creation of the customer transfer instruction
616
Notifies the customer of the creation of the customer transfer instruction

Fig. 6

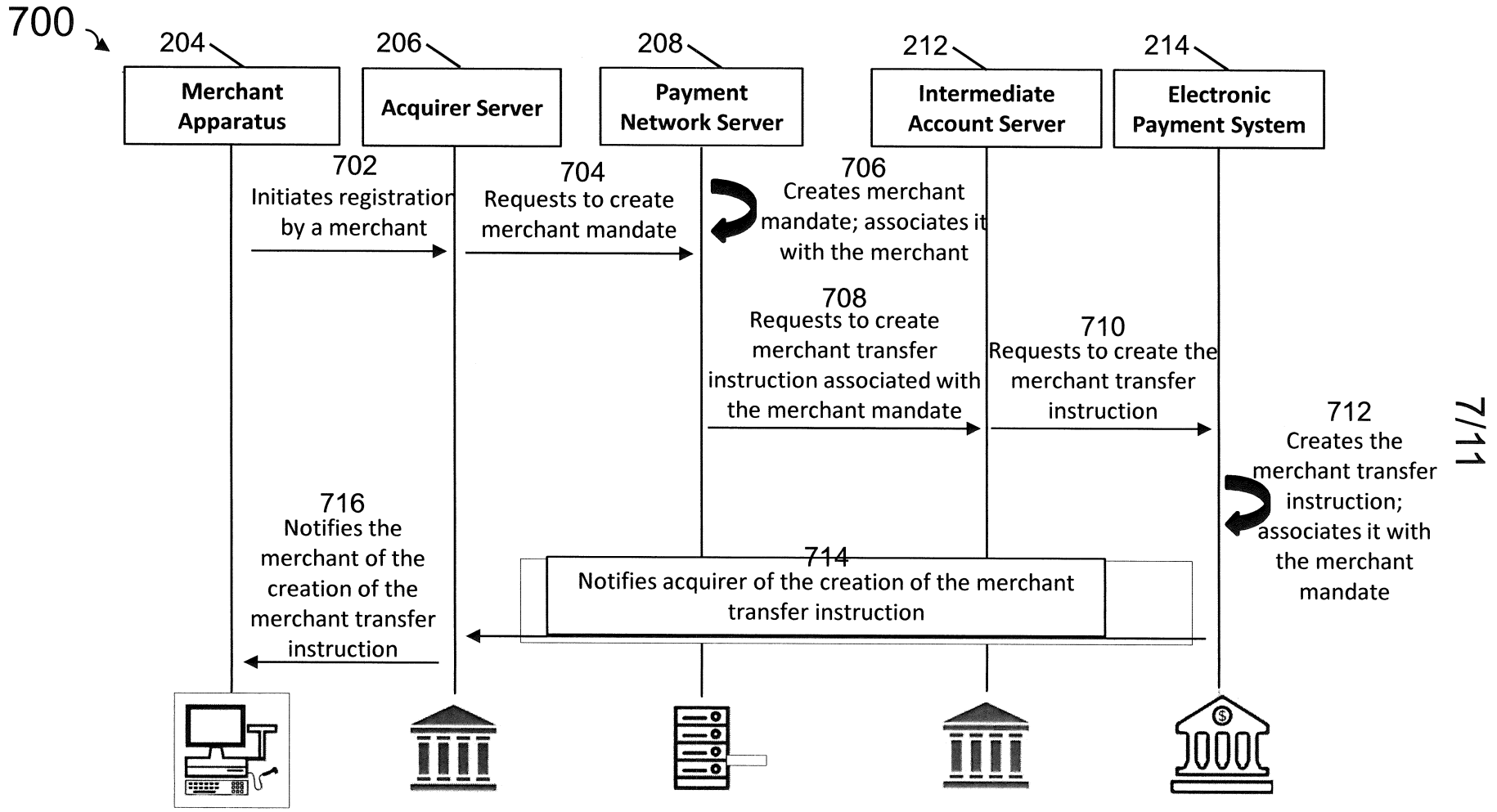

700
204
Merchant Apparatus
206
Acquirer Server
208
Payment Network Server
212
Intermediate Account Server
214
Electronic Payment System
702
Initiates registration by a merchant
704
Requests to create merchant mandate
706
Creates merchant mandate; associates it with the merchant
708
Requests to create merchant transfer instruction associated with the merchant mandate
710
Requests to create the merchant transfer instruction
712
Creates the merchant transfer instruction; associates it with the merchant mandate
714
Notifies acquirer of the creation of the merchant transfer instruction
716
Notifies the merchant of the creation of the merchant transfer instruction

Fig. 7

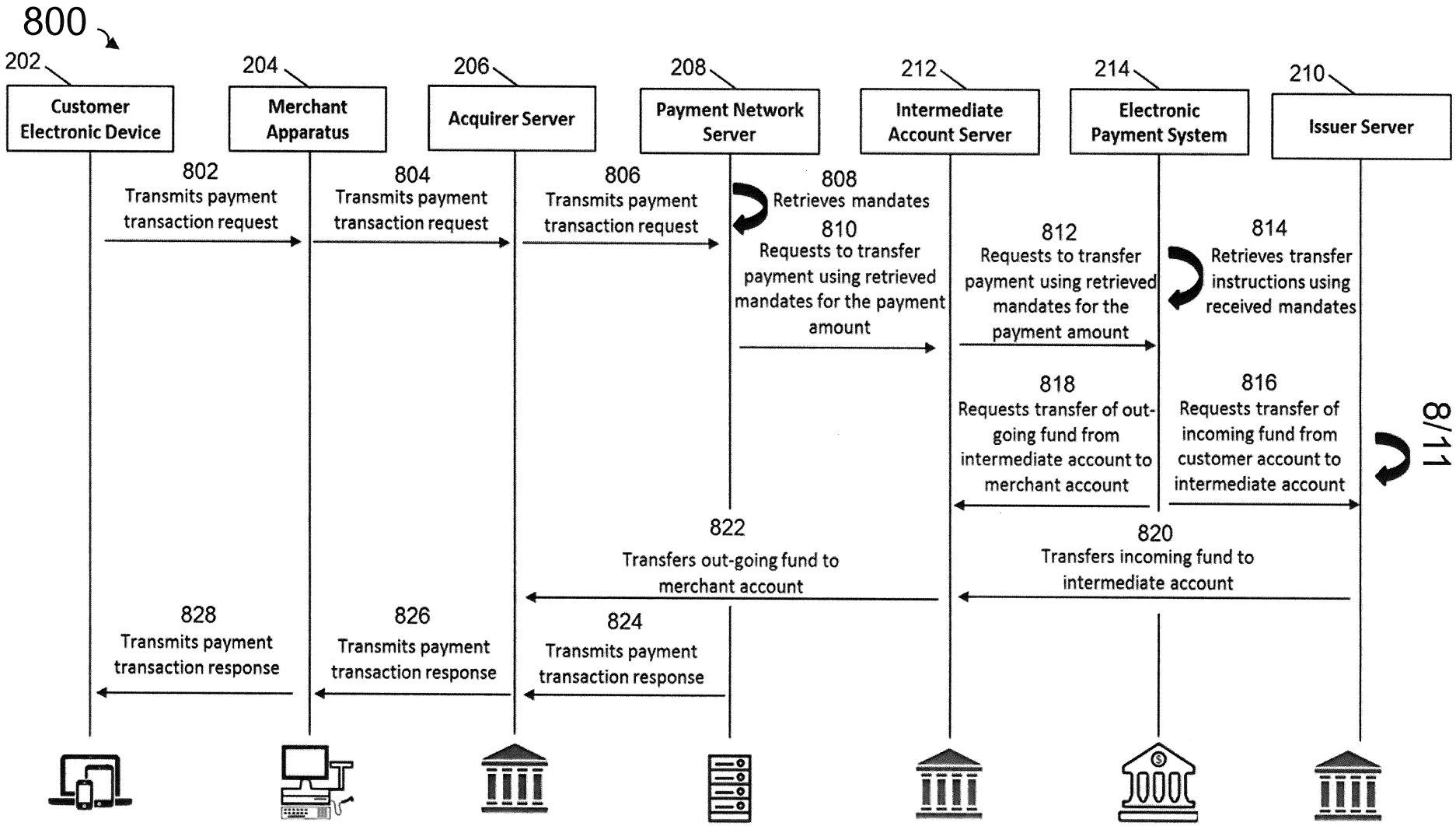

800
202
Customer Electronic Device
204
Merchant Apparatus
206
Acquirer Server
208
Payment Network Server
212
Intermediate Account Server
214
Electronic Payment System
210
Issuer Server
802
Transmits payment transaction request
804
Transmits payment transaction request
806
Transmits payment transaction request
808
Retrieves mandates
810
Requests to transfer payment using retrieved mandates for the payment amount
812
Requests to transfer payment using retrieved mandates for the payment amount
814
Retrieves transfer instructions using received mandates
816
Requests transfer of incoming fund from customer account to intermediate account
818
Requests transfer of out-going fund from intermediate account to merchant account
820
Transfers incoming fund to intermediate account
822
Transfers out-going fund to merchant account
824
Transmits payment transaction response
826
Transmits payment transaction response
828
Transmits payment transaction response

Fig. 8

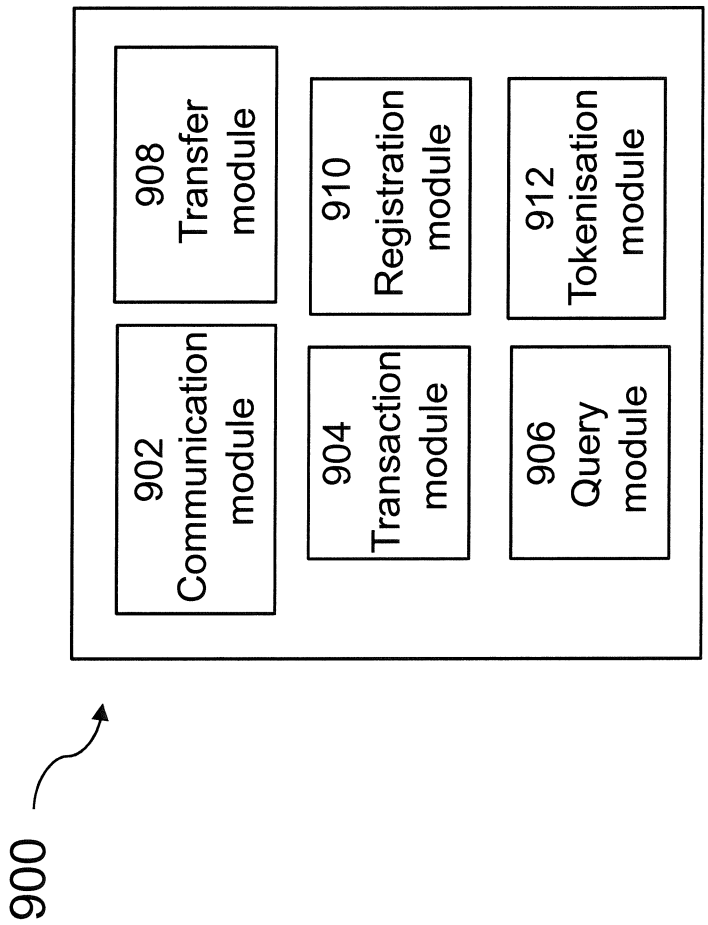

900
902 Communication module
904 Transaction module
906 Query module
908 Transfer module
910 Registration module
912 Tokenisation module

Fig. 9

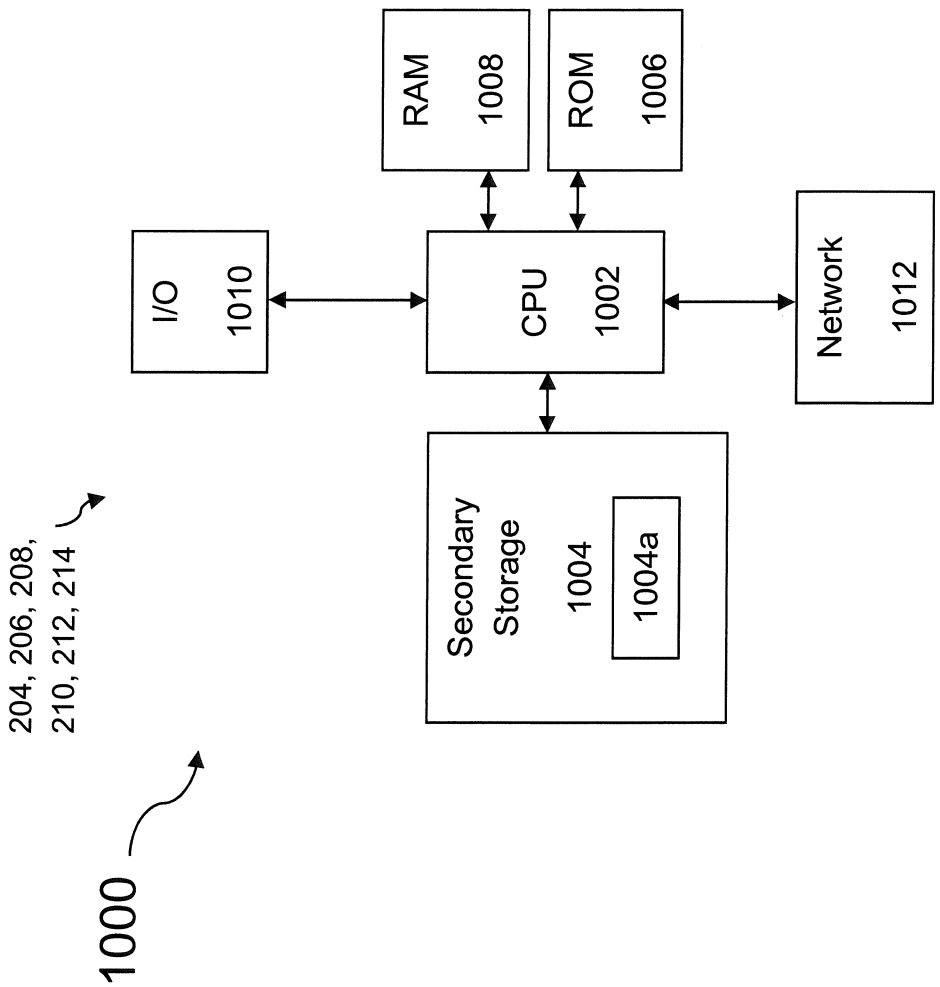

1000
204, 206, 208,
210, 212, 214
I/O
1010
RAM
1008
ROM
1006
CPU
1002
Network
1012
Secondary
Storage
1004
1004a

Fig. 10

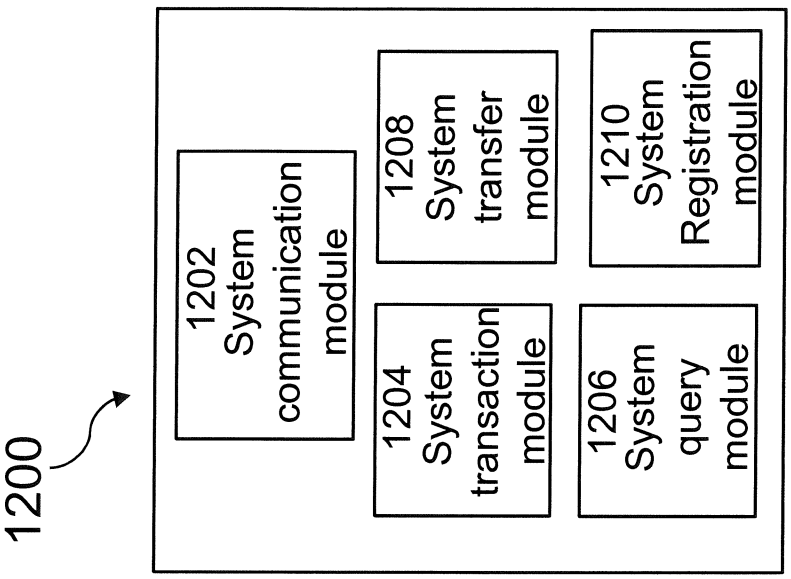

1200
1202 System communication module
1204 System transaction module
1206 System query module
1208 System transfer module
1210 System Registration module

Fig. 12

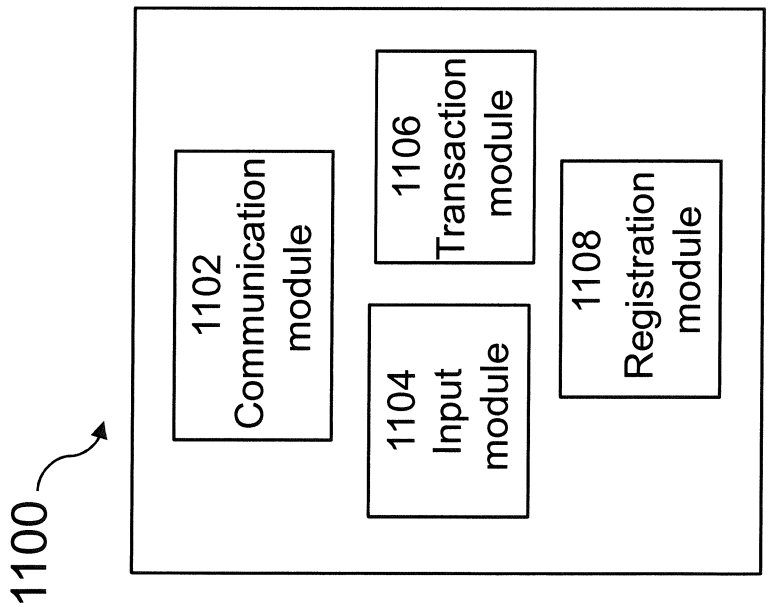

1100
1102 Communication module
1104 Input module
1106 Transaction module
1108 Registration module

Fig. 11