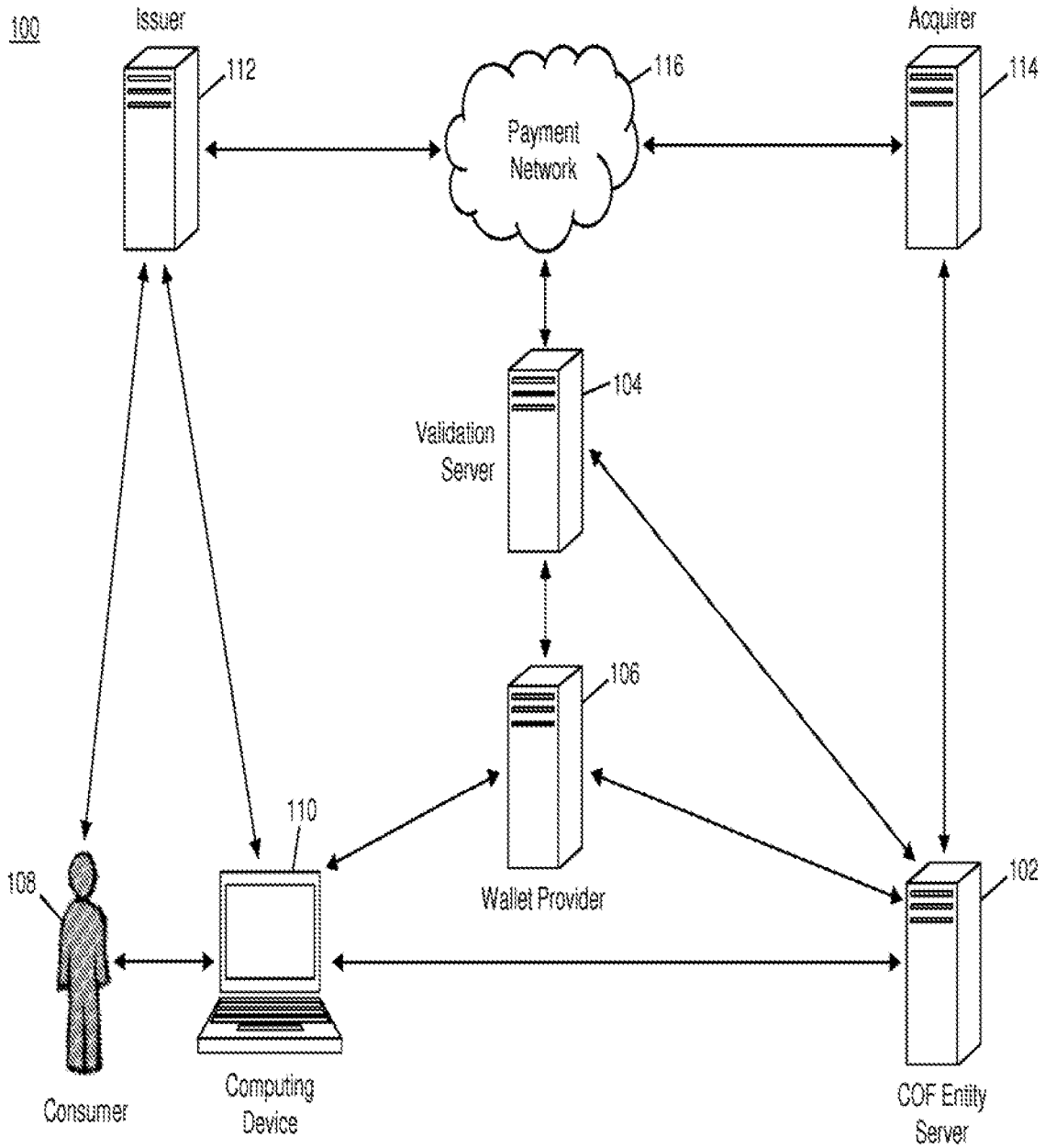

100
Issuer
112
Payment Network
116
Acquirer
114
Validation Server
104
106
Wallet Provider
110
108
102
Consumer
Computing Device
COF Entity Server

FIG. 1

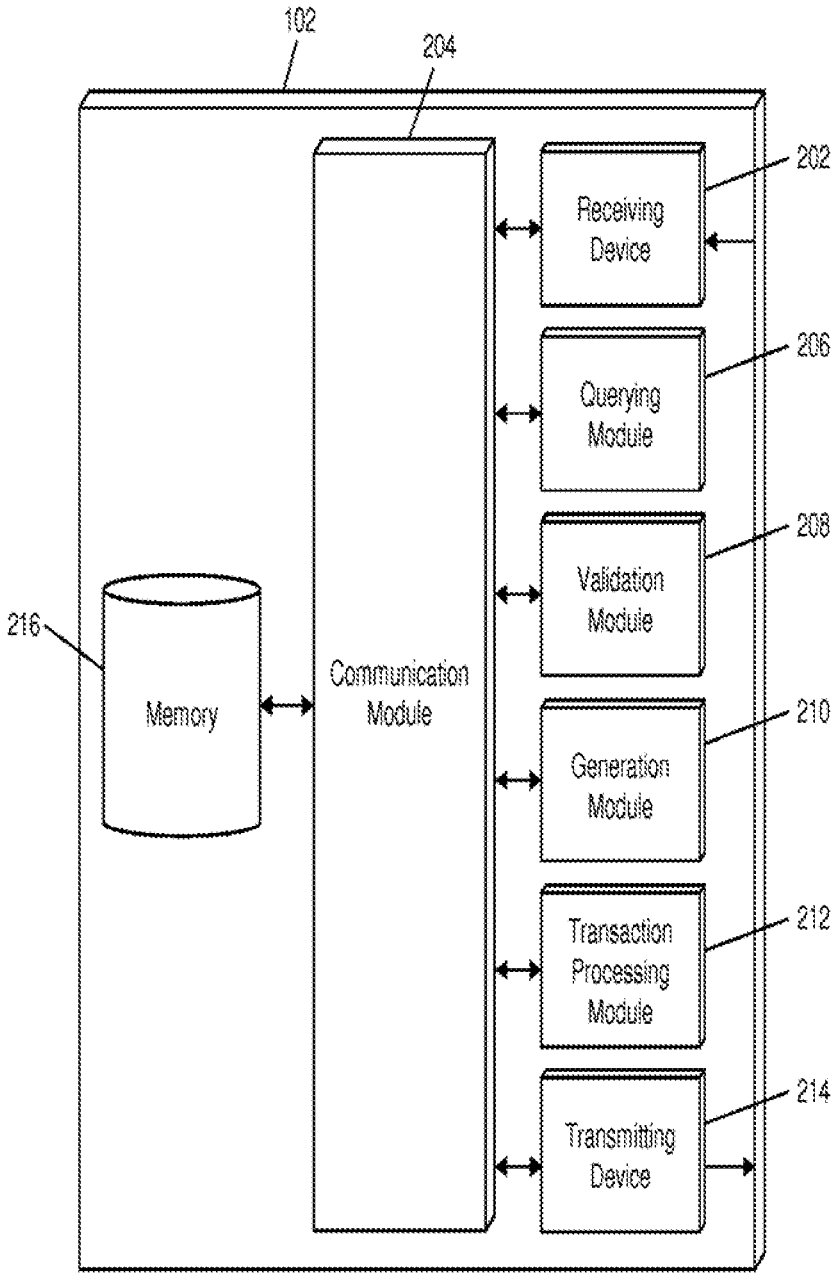

102
204
202
Receiving Device
206
Querying Module
208
Validation Module
216
Memory
Communication Module
210
Generation Module
212
Transaction Processing Module
214
Transmitting Device

FIG. 2

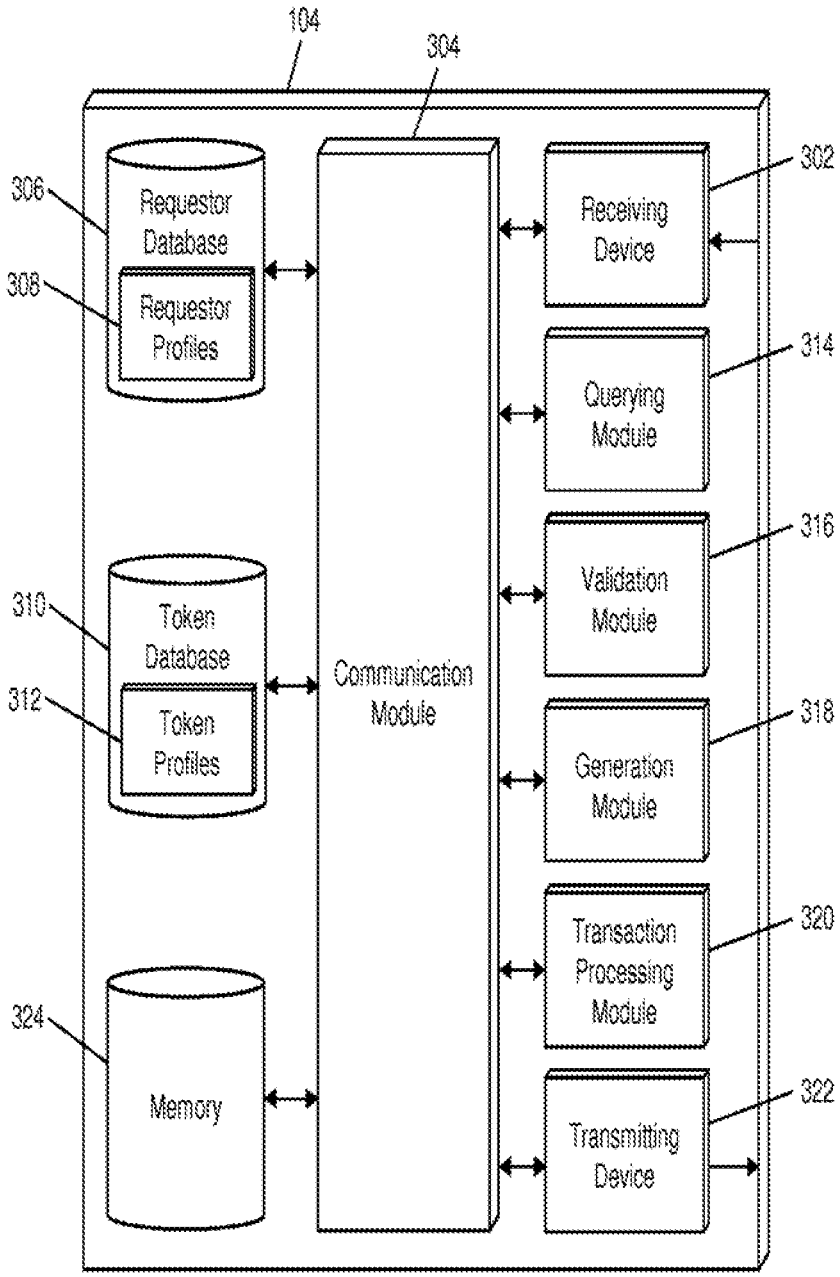

104
304
306
Requestor Database
308
Requestor Profiles
310
Token Database
312
Token Profiles
324
Memory
Communication Module
302
Receiving Device
314
Querying Module
316
Validation Module
318
Generation Module
320
Transaction Processing Module
322
Transmitting Device

FIG. 3

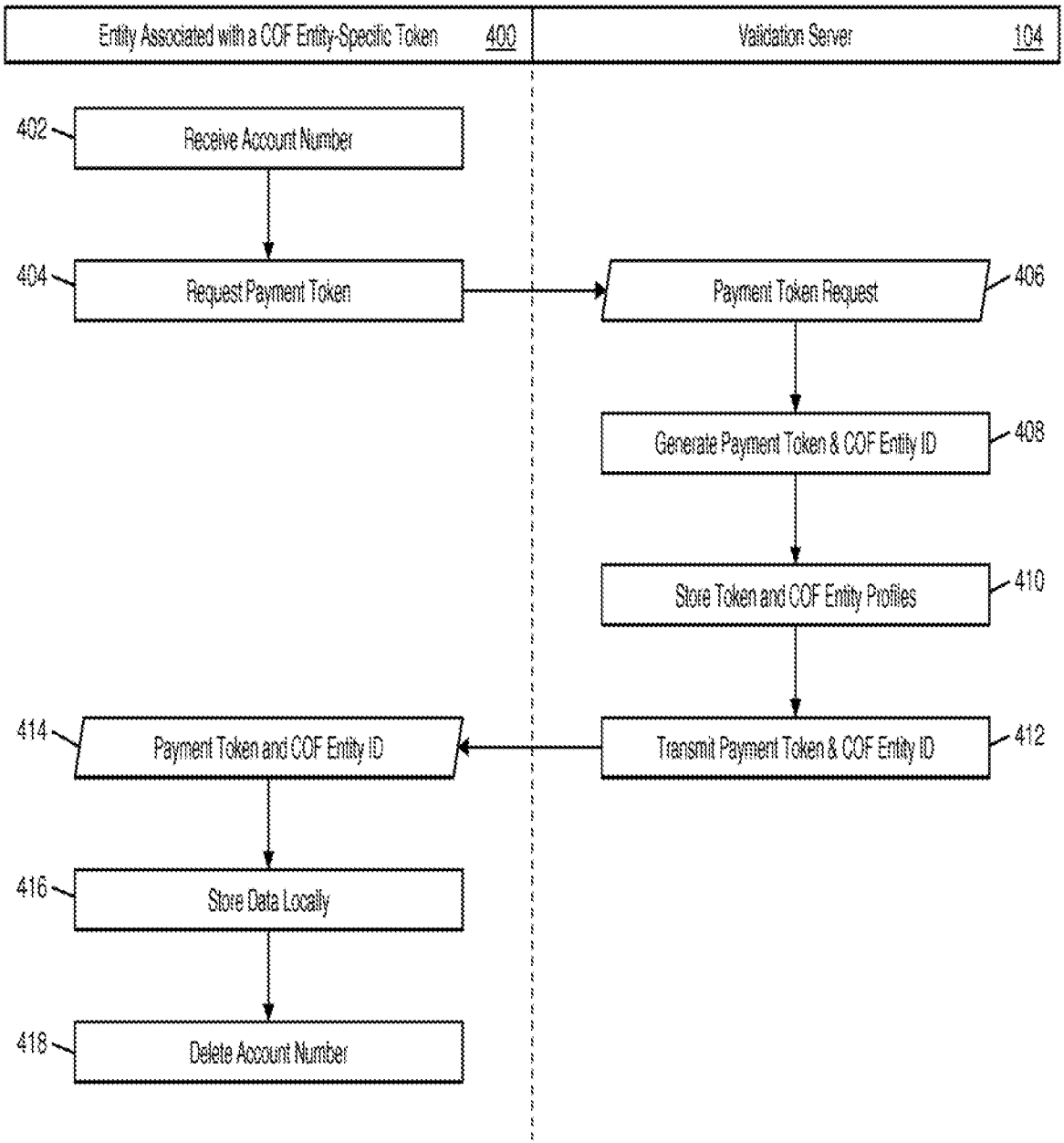

Entity Associated with a COF Entity-Specific Token 400
Validation Server 104
402
Receive Account Number
404
Request Payment Token
406
Payment Token Request
408
Generate Payment Token & COF Entity ID
410
Store Token and COF Entity Profiles
412
Transmit Payment Token & COF Entity ID
414
Payment Token and COF Entity ID
416
Store Data Locally
418
Delete Account Number

FIG. 4

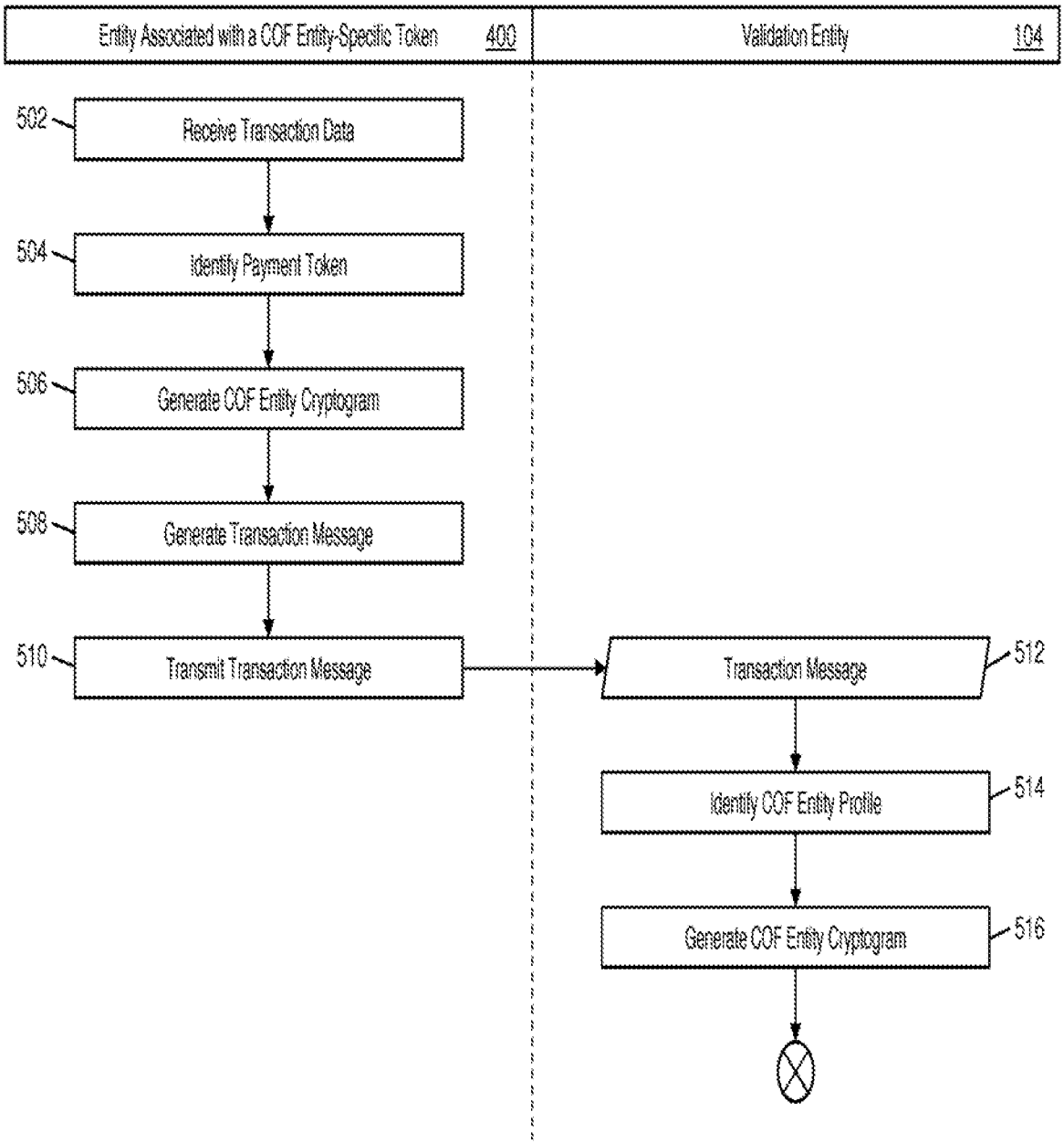

Entity Associated with a COF Entity-Specific Token 400
Validation Entity 104
502
Receive Transaction Data
504
Identify Payment Token
506
Generate COF Entity Cryptogram
508
Generate Transaction Message
510
Transmit Transaction Message
Transaction Message
512
Identify COF Entity Profile
514
Generate COF Entity Cryptogram
516

FIG. 5A

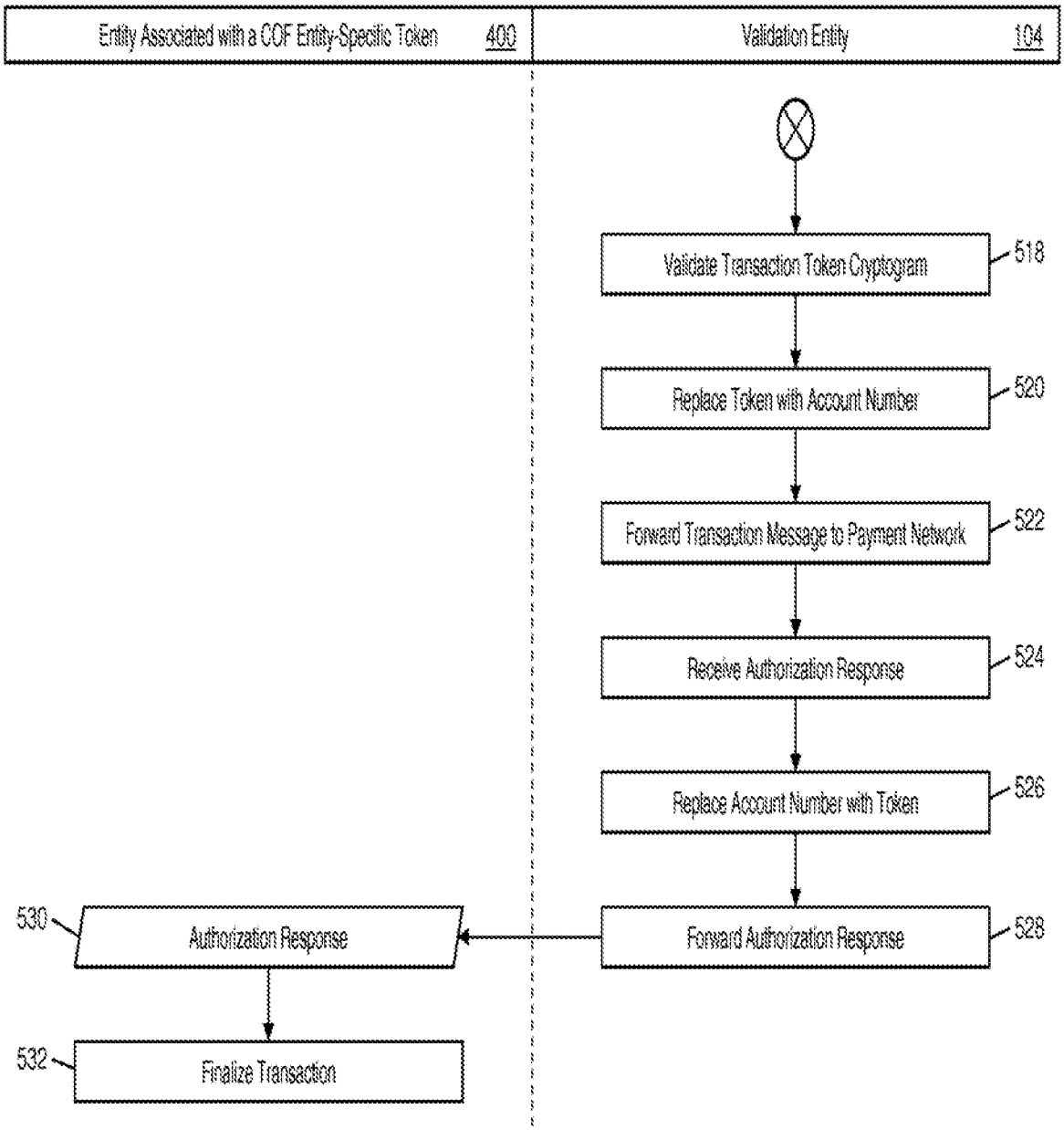

Entity Associated with a COF Entity-Specific Token 400
Validation Entity 104
Validate Transaction Token Cryptogram
518
Replace Token with Account Number
520
Forward Transaction Message to Payment Network
522
Receive Authorization Response
524
Replace Account Number with Token
526
Forward Authorization Response
528
530
Authorization Response
532
Finalize Transaction

FIG. 5B

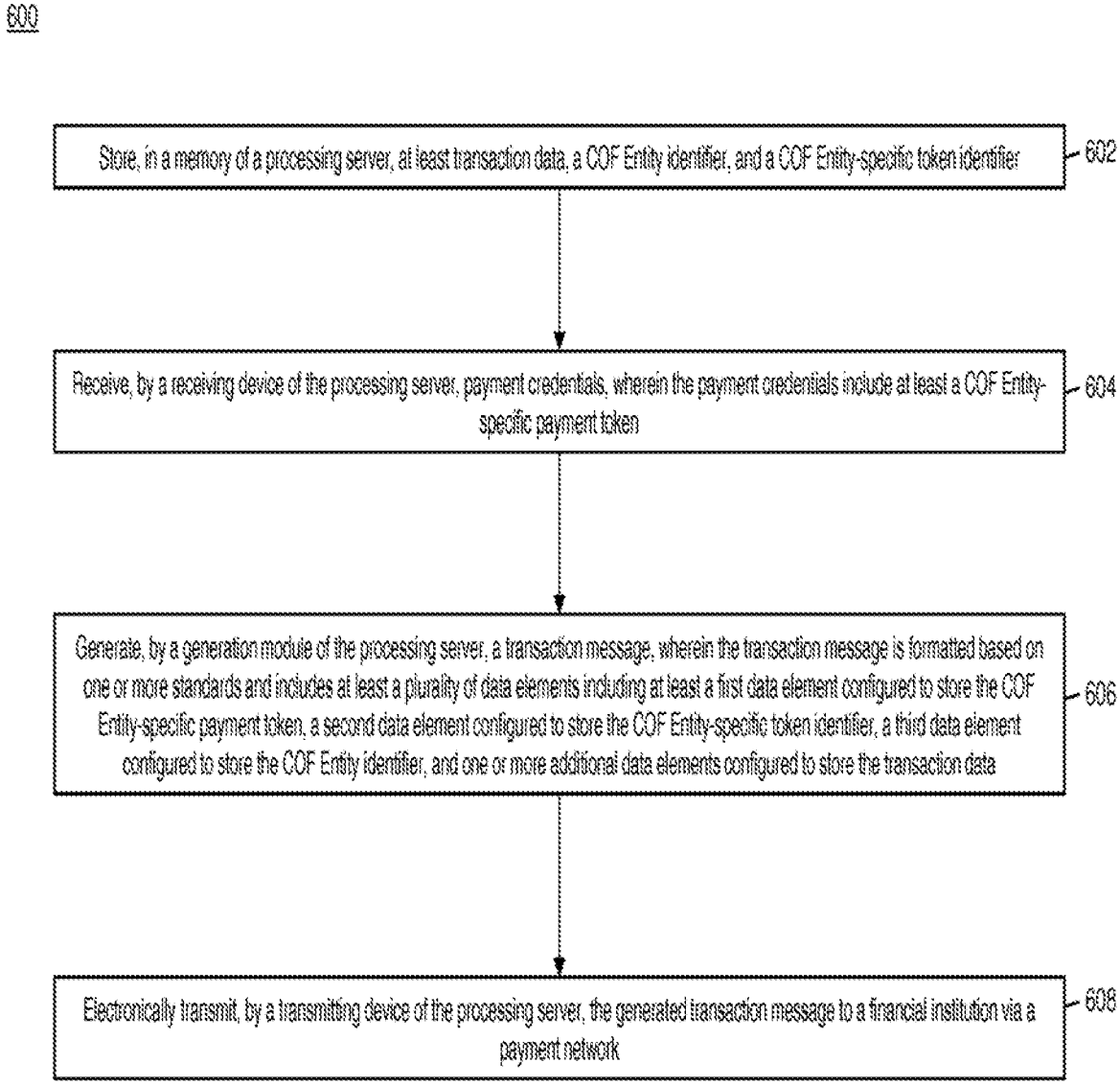

600
Store, in a memory of a processing server, at least transaction data, a COF Entity identifier, and a COF Entity-specific token identifier
602
Receive, by a receiving device of the processing server, payment credentials, wherein the payment credentials include at least a COF Entity-specific payment token
604
Generate, by a generation module of the processing server, a transaction message, wherein the transaction message is formatted based on one or more standards and includes at least a plurality of data elements including at least a first data element configured to store the COF Entity-specific payment token, a second data element configured to store the COF Entity-specific token identifier, a third data element configured to store the COF Entity identifier, and one or more additional data elements configured to store the transaction data
606
Electronically transmit, by a transmitting device of the processing server, the generated transaction message to a financial institution via a payment network
608

FIG. 6

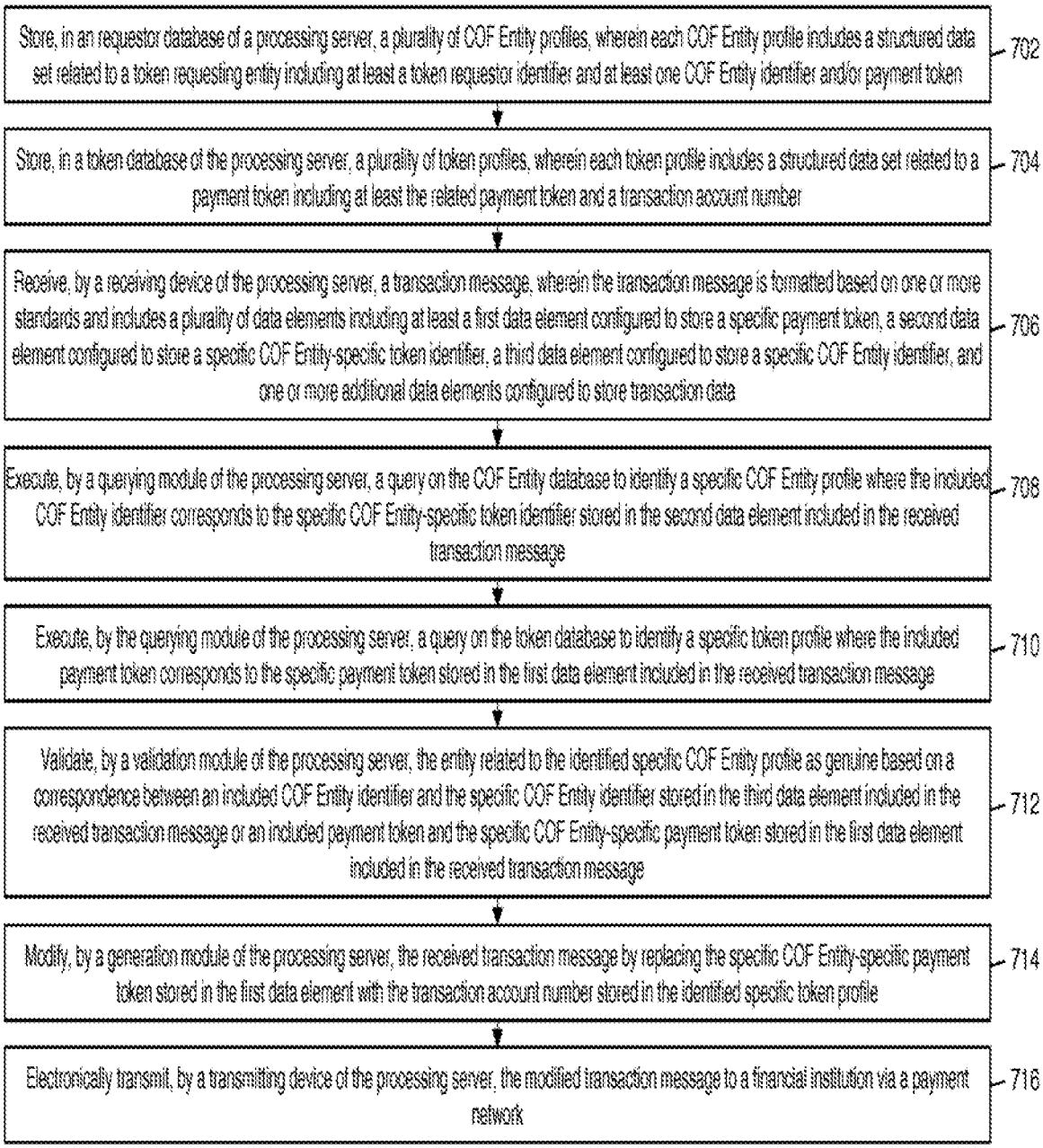

Store, in an requestor database of a processing server, a plurality of COF Entity profiles, wherein each COF Entity profile includes a structured data set related to a token requesting entity including at least a token requestor identifier and at least one COF Entity identifier and/or payment token
702
Store, in a token database of the processing server, a plurality of token profiles, wherein each token profile includes a structured data set related to a payment token including at least the related payment token and a transaction account number
704
Receive, by a receiving device of the processing server, a transaction message, wherein the transaction message is formatted based on one or more standards and includes a plurality of data elements including at least a first data element configured to store a specific payment token, a second data element configured to store a specific COF Entity-specific token identifier, a third data element configured to store a specific COF Entity identifier, and one or more additional data elements configured to store transaction data
706
Execute, by a querying module of the processing server, a query on the COF Entity database to identify a specific COF Entity profile where the included COF Entity identifier corresponds to the specific COF Entity-specific token identifier stored in the second data element included in the received transaction message
708
Execute, by the querying module of the processing server, a query on the token database to identify a specific token profile where the included payment token corresponds to the specific payment token stored in the first data element included in the received transaction message
710
Validate, by a validation module of the processing server, the entity related to the identified specific COF Entity profile as genuine based on a correspondence between an included COF Entity identifier and the specific COF Entity identifier stored in the third data element included in the received transaction message or an included payment token and the specific COF Entity-specific payment token stored in the first data element included in the received transaction message
712
Modify, by a generation module of the processing server, the received transaction message by replacing the specific COF Entity-specific payment token stored in the first data element with the transaction account number stored in the identified specific token profile
714
Electronically transmit, by a transmitting device of the processing server, the modified transaction message to a financial institution via a payment network
716

FIG. 7

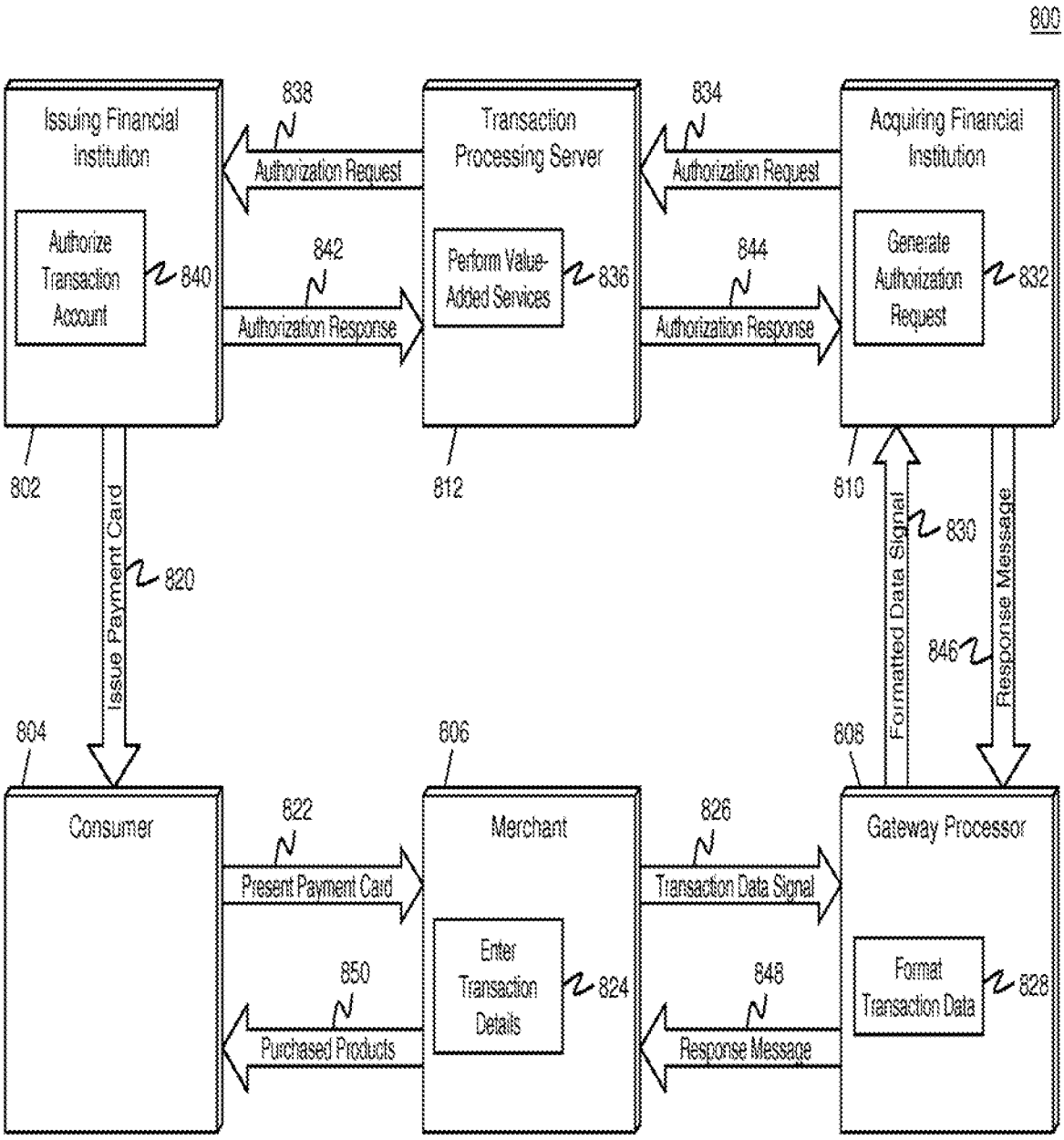

800
Issuing Financial Institution
Authorize Transaction Account
840
802
838
Authorization Request
842
Authorization Response
Transaction Processing Server
Perform Value-Added Services
836
812
834
Authorization Request
844
Authorization Response
Acquiring Financial Institution
Generate Authorization Request
832
810
Issue Payment Card
820
804
Formatted Data Signal
830
846
Response Message
808
Consumer
822
Present Payment Card
850
Purchased Products
Merchant
Enter Transaction Details
824
806
826
Transaction Data Signal
848
Response Message
Gateway Processor
Format Transaction Data
828

FIG. 8

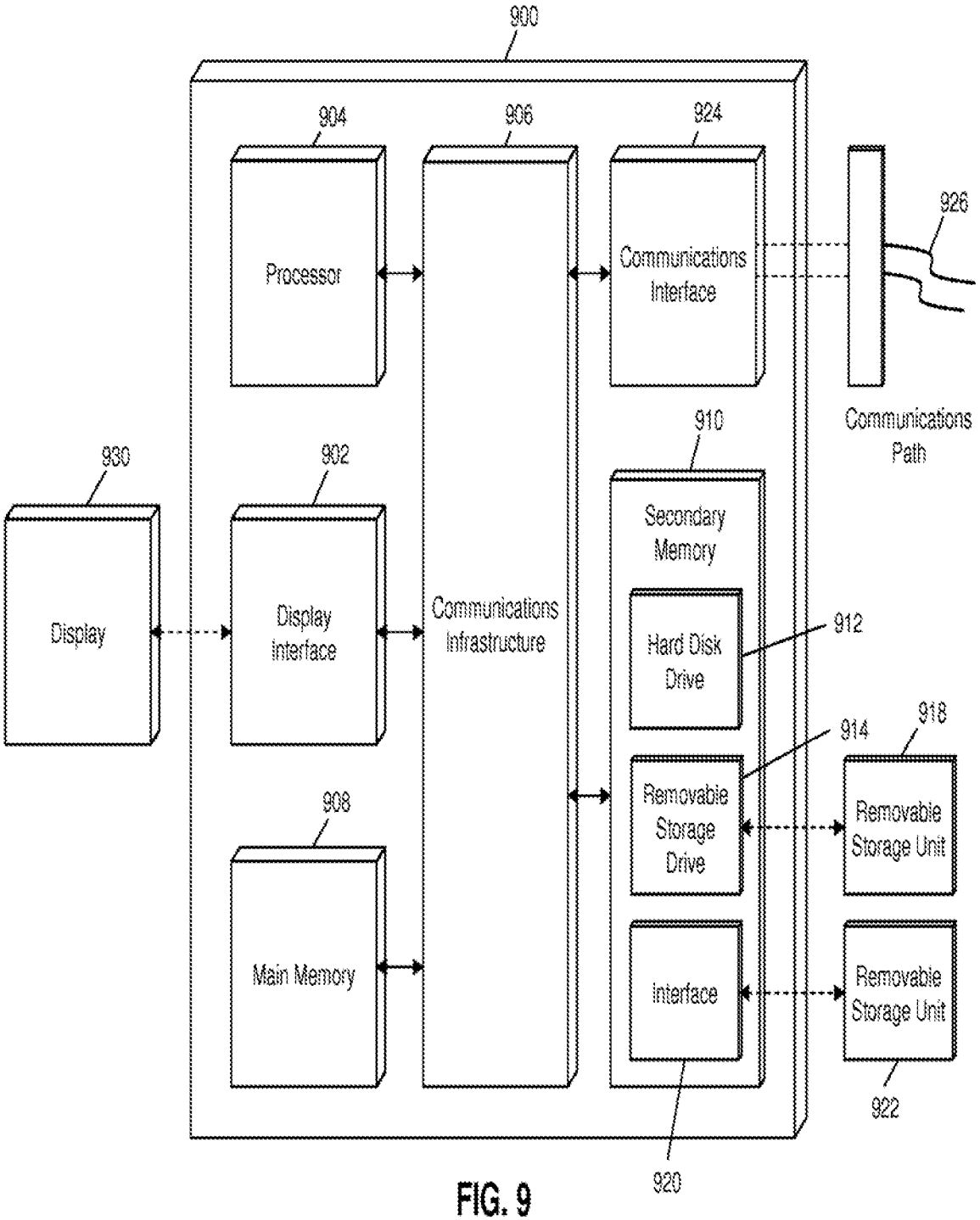

900
904
906
924
926
Processor
Communications Interface
Communications Path
910
930
902
Secondary Memory
Display
Display interface
Communications Infrastructure
Hard Disk Drive
912
914
918
Removable Storage Drive
Removable Storage Unit
908
Main Memory
Interface
Removable Storage Unit
922
920

FIG. 9