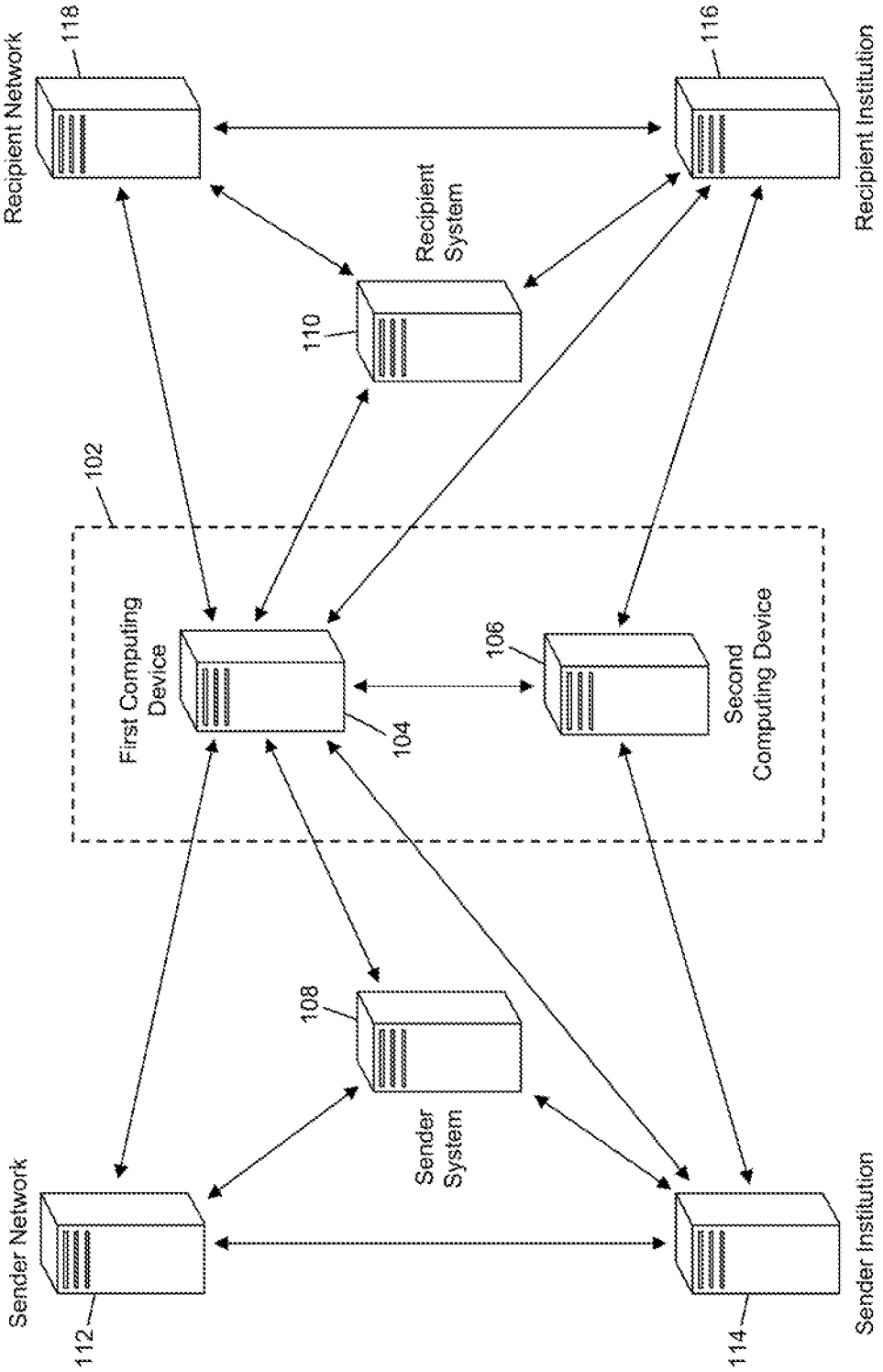

Recipient Network
118
116
Recipient Institution
Recipient System
110
102
First Computing Device
104
106
Second Computing Device
108
Sender System
Sender Network
112
114
Sender Institution

FIG. 1

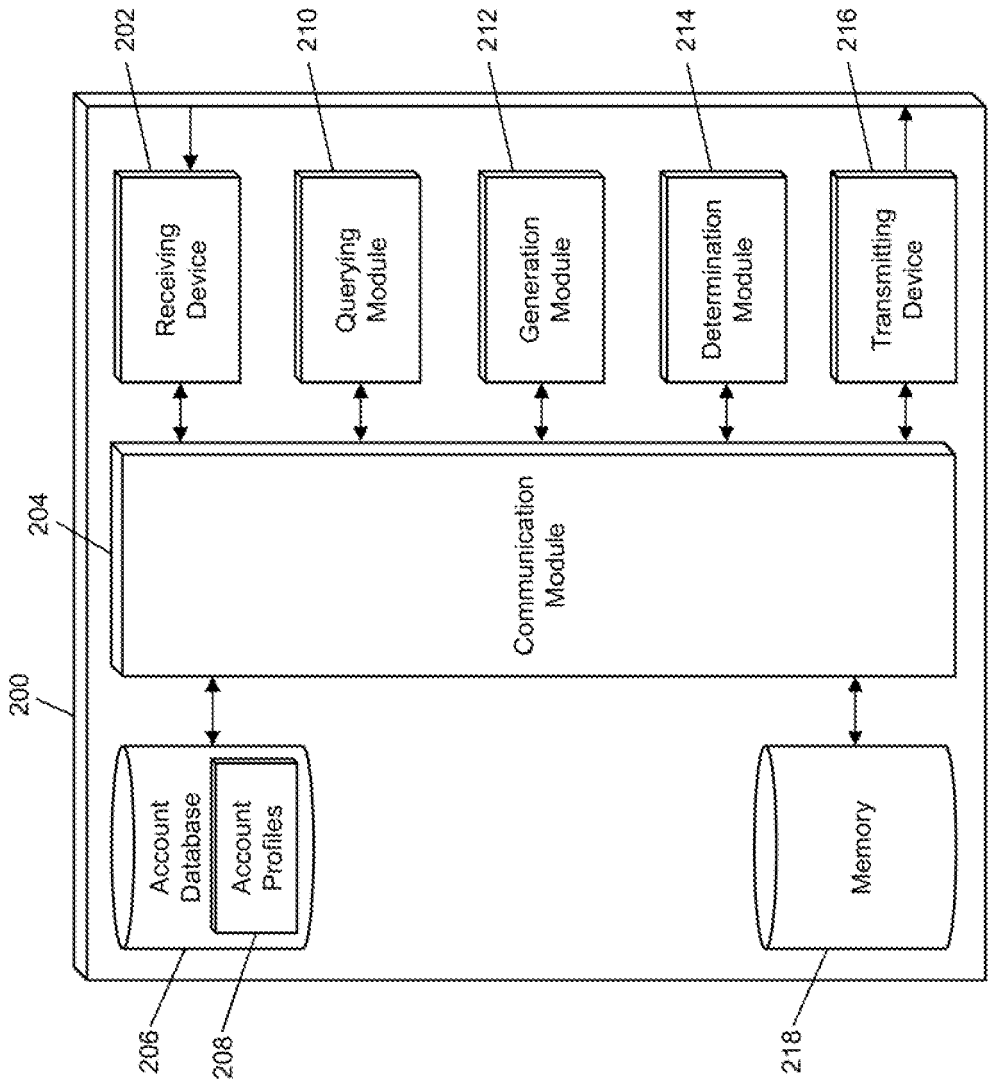

202
210
212
214
216
Receiving Device
Querying Module
Generation Module
Determination Module
Transmitting Device
204
Communication Module
200
Account Database
Account Profiles
Memory
206
208
218

FIG. 2

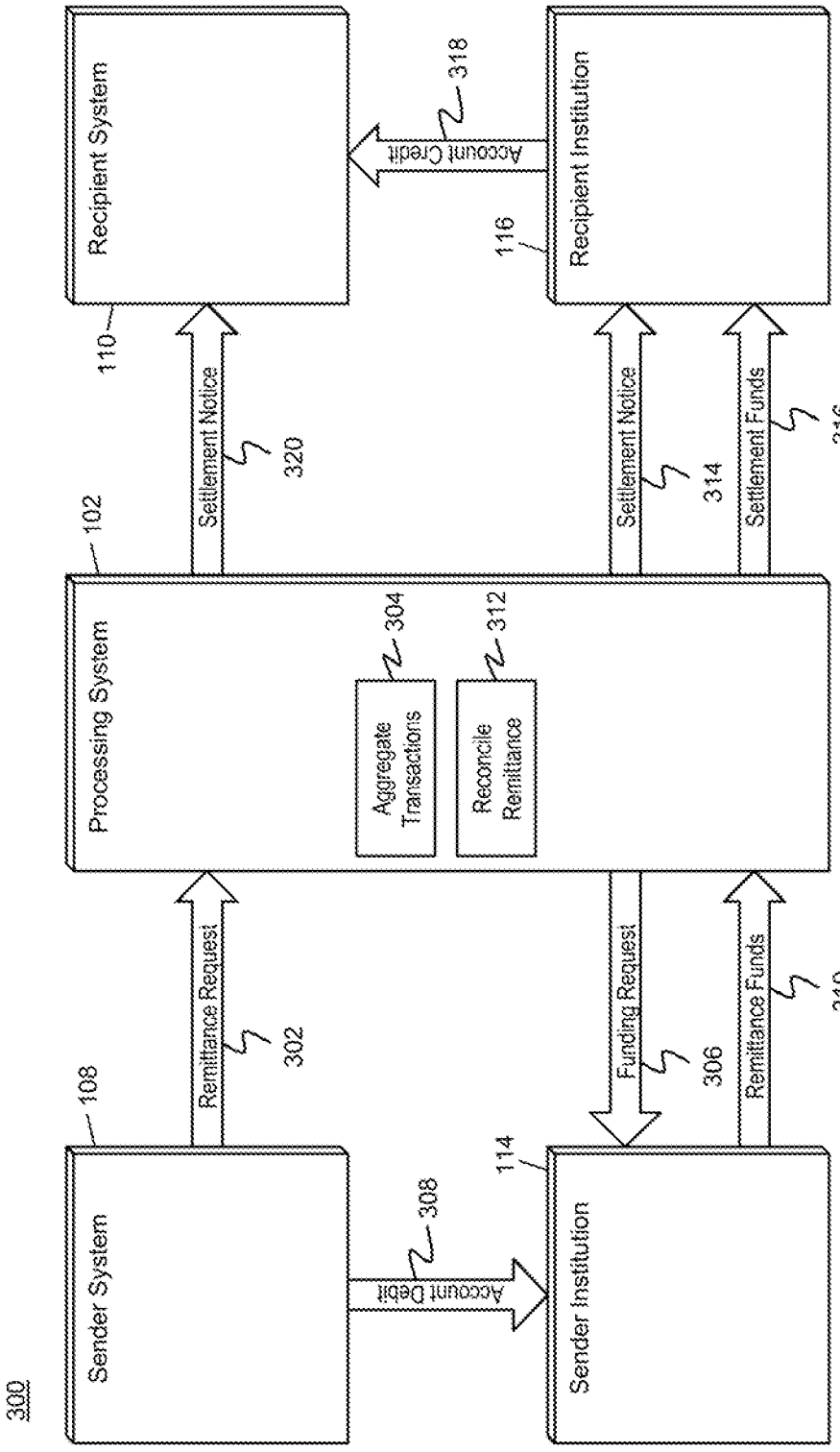

300
Sender System
108
Sender Institution
114
Processing System
102
Recipient System
110
Recipient Institution
116
Remittance Request
302
Remittance Funds
310
Funding Request
306
Settlement Notice
320
Settlement Notice
314
Settlement Funds
316
Account Debit
308
Account Credit
318
Aggregate Transactions
304
Reconcile Remittance
312

FIG. 3

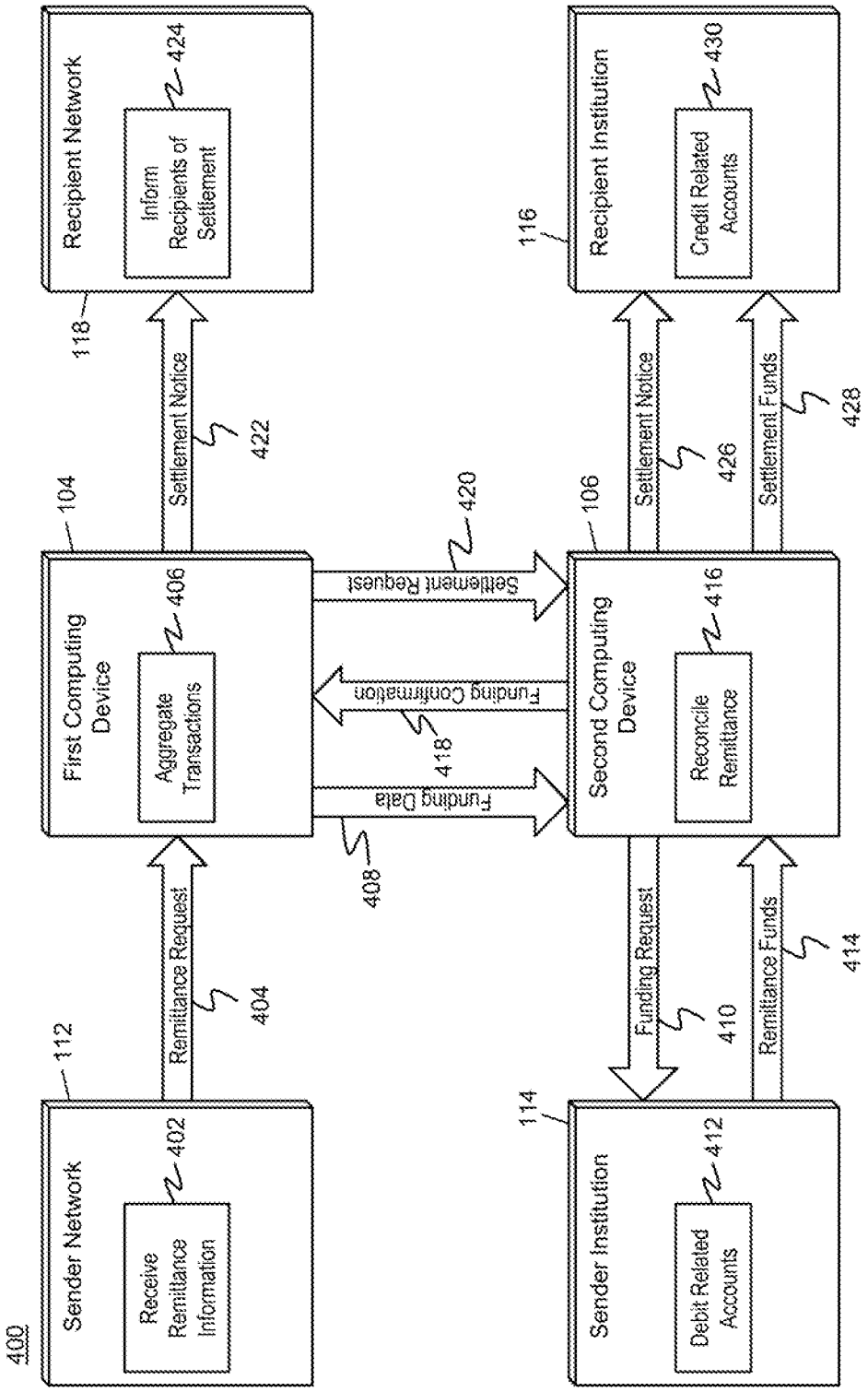

400
Sender Network
112
Receive Remittance Information
402
Remittance Request
404
First Computing Device
104
Aggregate Transactions
406
Funding Data
408
Funding Confirmation
418
Settlement Request
420
Second Computing Device
106
Reconcile Remittance
416
Settlement Notice
426
Settlement Funds
428
Recipient Institution
116
Credit Related Accounts
430
Sender Institution
114
Debit Related Accounts
412
Funding Request
410
Remittance Funds
414
Recipient Network
118
Inform Recipients of Settlement
424
Settlement Notice
422

FIG. 4

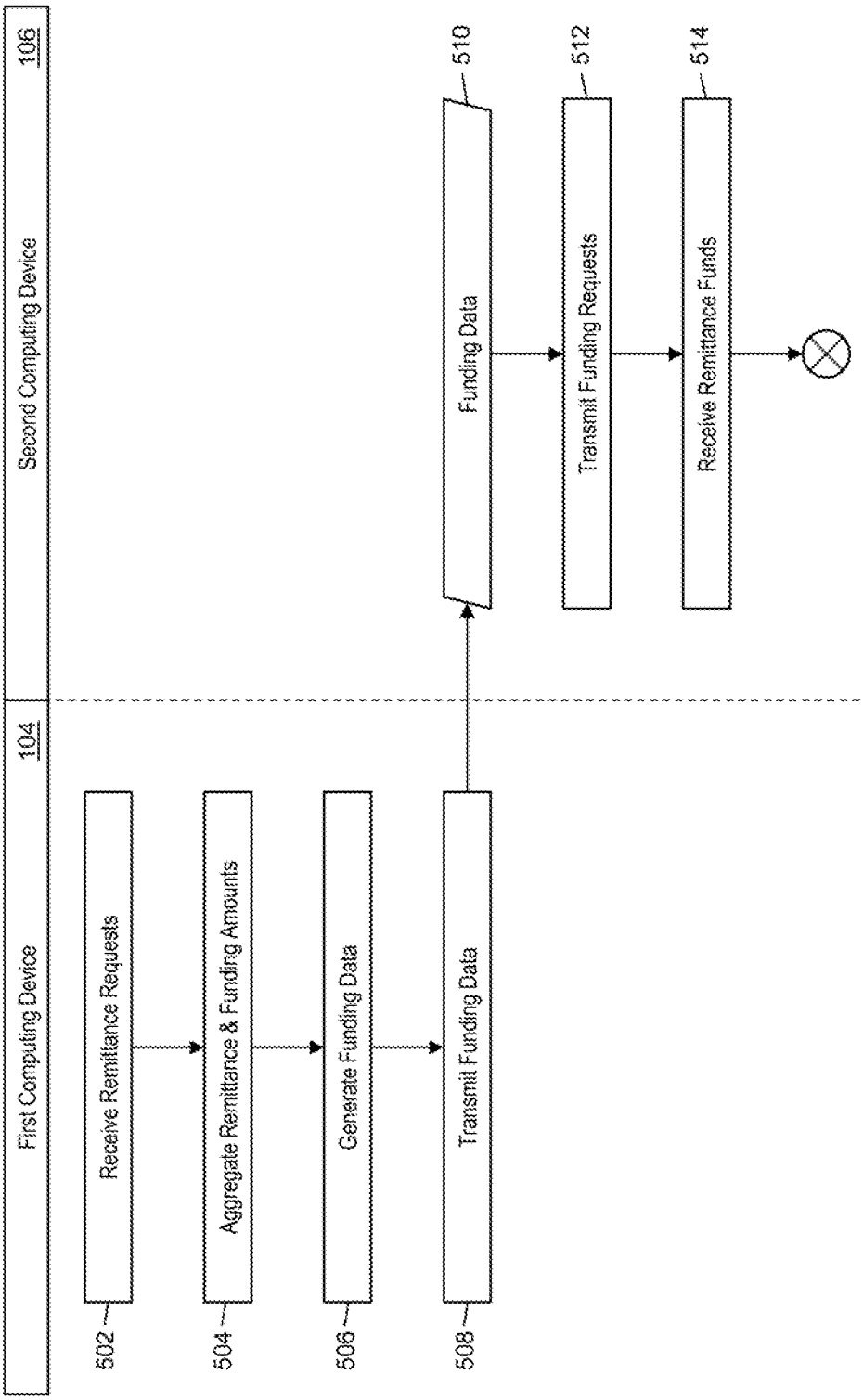

First Computing Device
104
Second Computing Device
106
Receive Remittance Requests
Aggregate Remittance & Funding Amounts
Generate Funding Data
Transmit Funding Data
Funding Data
Transmit Funding Requests
Receive Remittance Funds
502
504
506
508
510
512
514

FIG. 5A

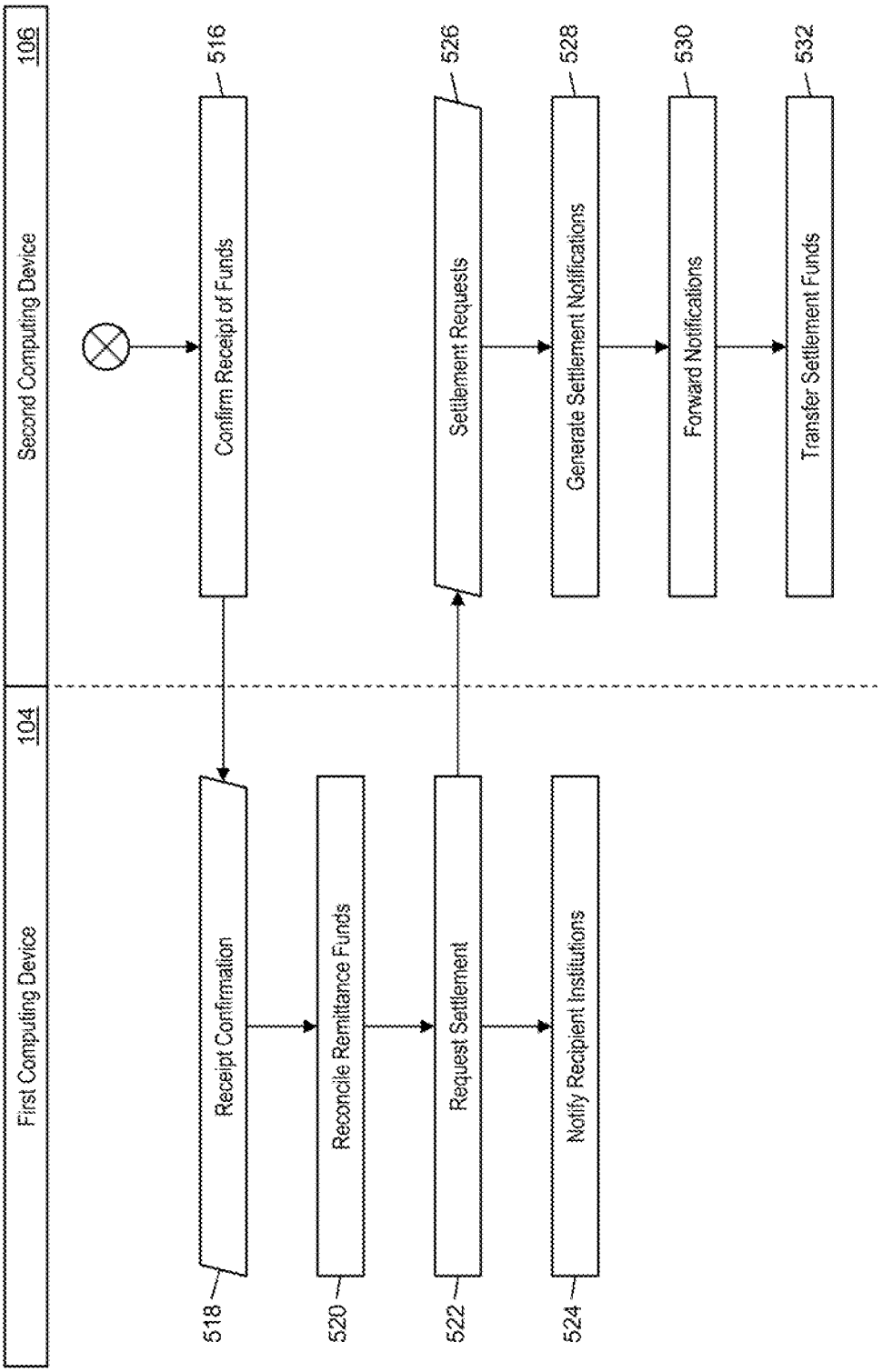

First Computing Device
104
Second Computing Device
106
Confirm Receipt of Funds
516
Receipt Confirmation
518
Reconcile Remittance Funds
520
Request Settlement
522
Notify Recipient Institutions
524
Settlement Requests
526
Generate Settlement Notifications
528
Forward Notifications
530
Transfer Settlement Funds
532

FIG. 5B

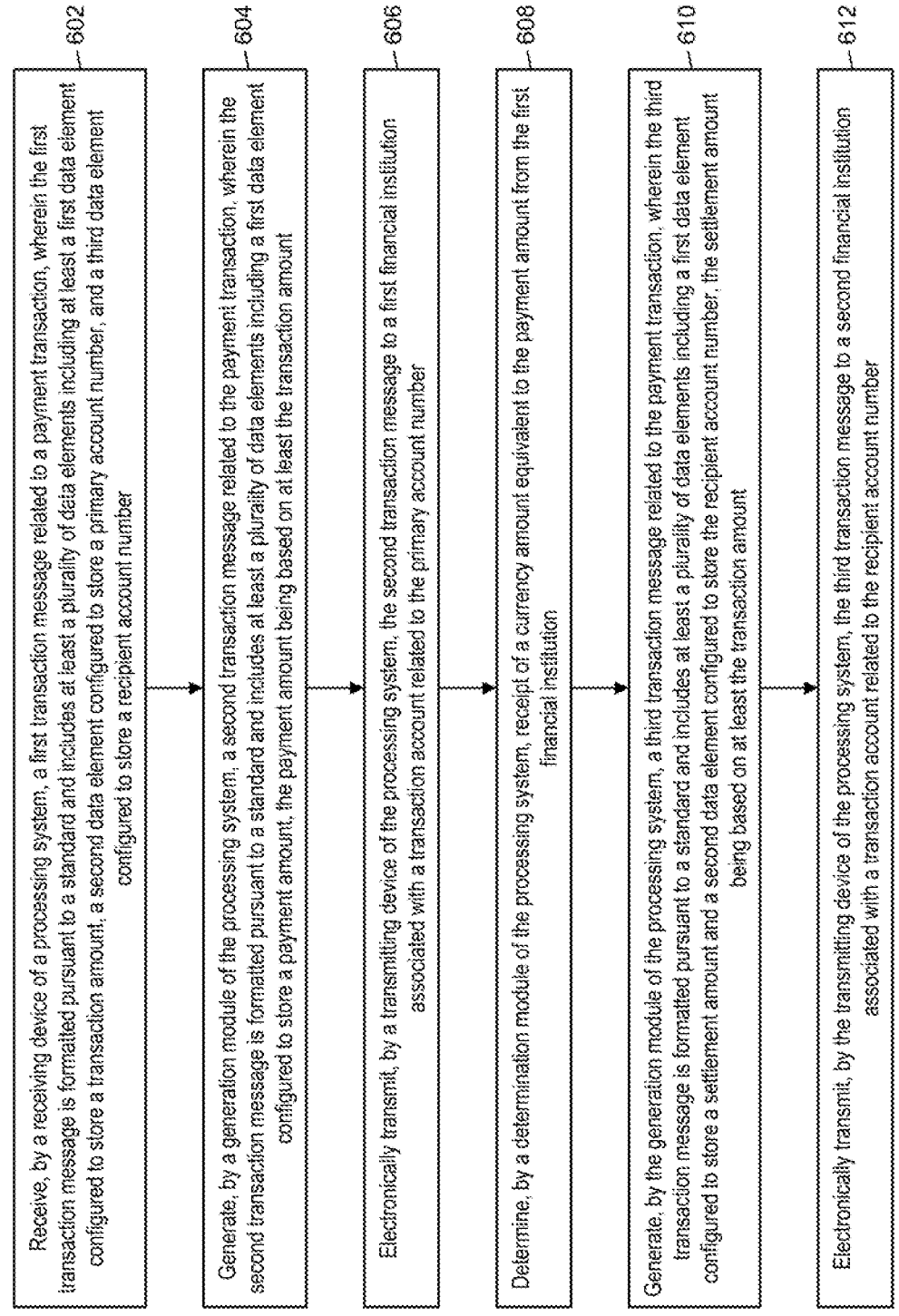

600
Receive, by a receiving device of a processing system, a first transaction message related to a payment transaction, wherein the first transaction message is formatted pursuant to a standard and includes at least a plurality of data elements including at least a first data element configured to store a transaction amount, a second data element configured to store a primary account number, and a third data element configured to store a recipient account number
602
Generate, by a generation module of the processing system, a second transaction message related to the payment transaction, wherein the second transaction message is formatted pursuant to a standard and includes at least a plurality of data elements including a first data element configured to store a payment amount, the payment amount being based on at least the transaction amount
604
Electronically transmit, by a transmitting device of the processing system, the second transaction message to a first financial institution associated with a transaction account related to the primary account number
606
Determine, by a determination module of the processing system, receipt of a currency amount equivalent to the payment amount from the first financial institution
608
Generate, by the generation module of the processing system, a third transaction message related to the payment transaction, wherein the third transaction message is formatted pursuant to a standard and includes at least a plurality of data elements including a first data element configured to store a settlement amount and a second data element configured to store the recipient account number, the settlement amount being based on at least the transaction amount
610
Electronically transmit, by the transmitting device of the processing system, the third transaction message to a second financial institution associated with a transaction account related to the recipient account number
612

FIG. 6

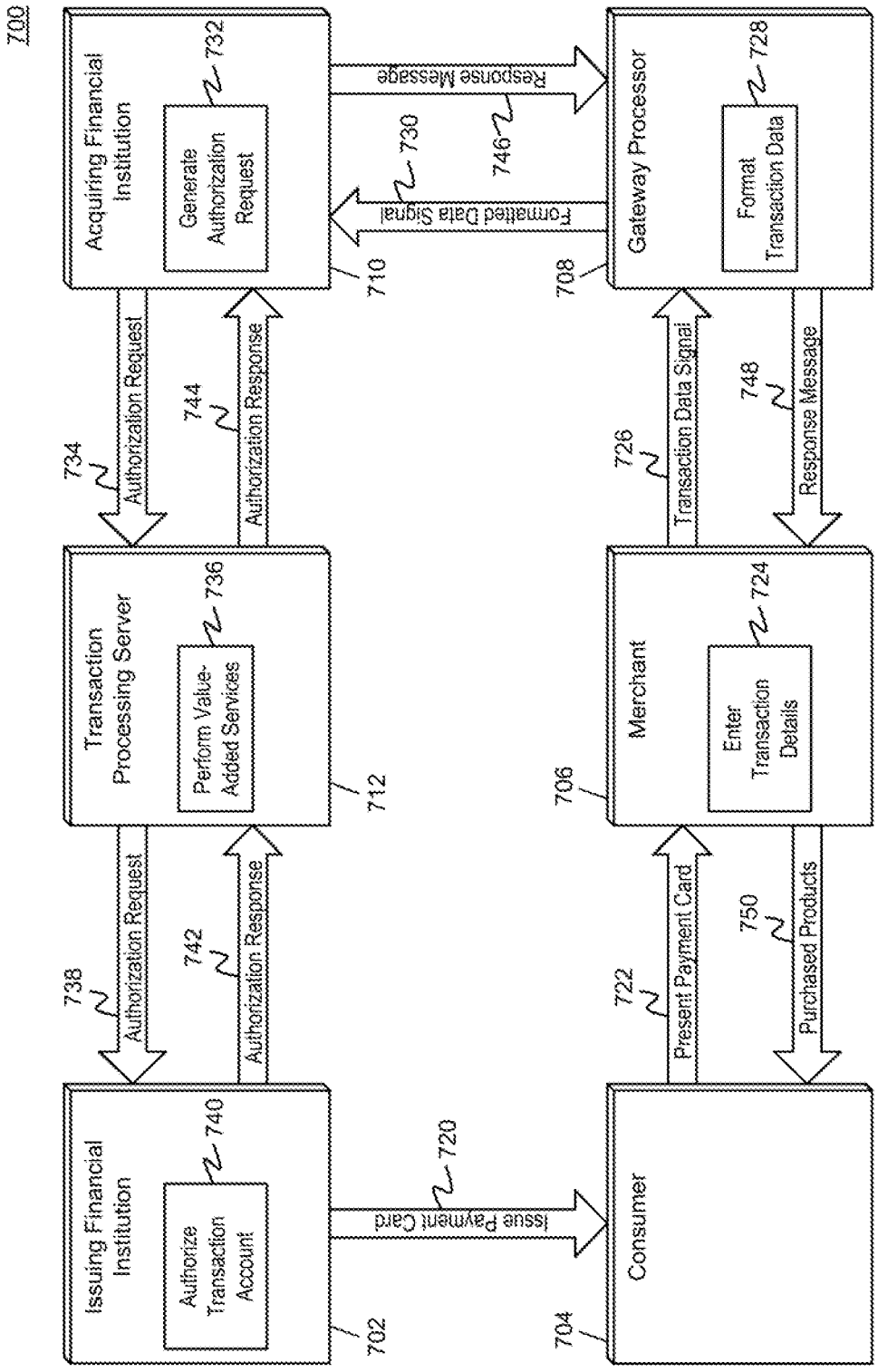

700
Acquiring Financial Institution
732
Generate Authorization Request
Response Message
730
746
Formatted Data Signal
710
708
Gateway Processor
728
Format Transaction Data
734
Authorization Request
744
Authorization Response
726
Transaction Data Signal
748
Response Message
Transaction Processing Server
736
Perform Value-Added Services
712
Merchant
724
Enter Transaction Details
738
Authorization Request
742
Authorization Response
722
Present Payment Card
750
Purchased Products
Issuing Financial Institution
740
Authorize Transaction Account
720
Issue Payment Card
702
704
Consumer
706

FIG. 7

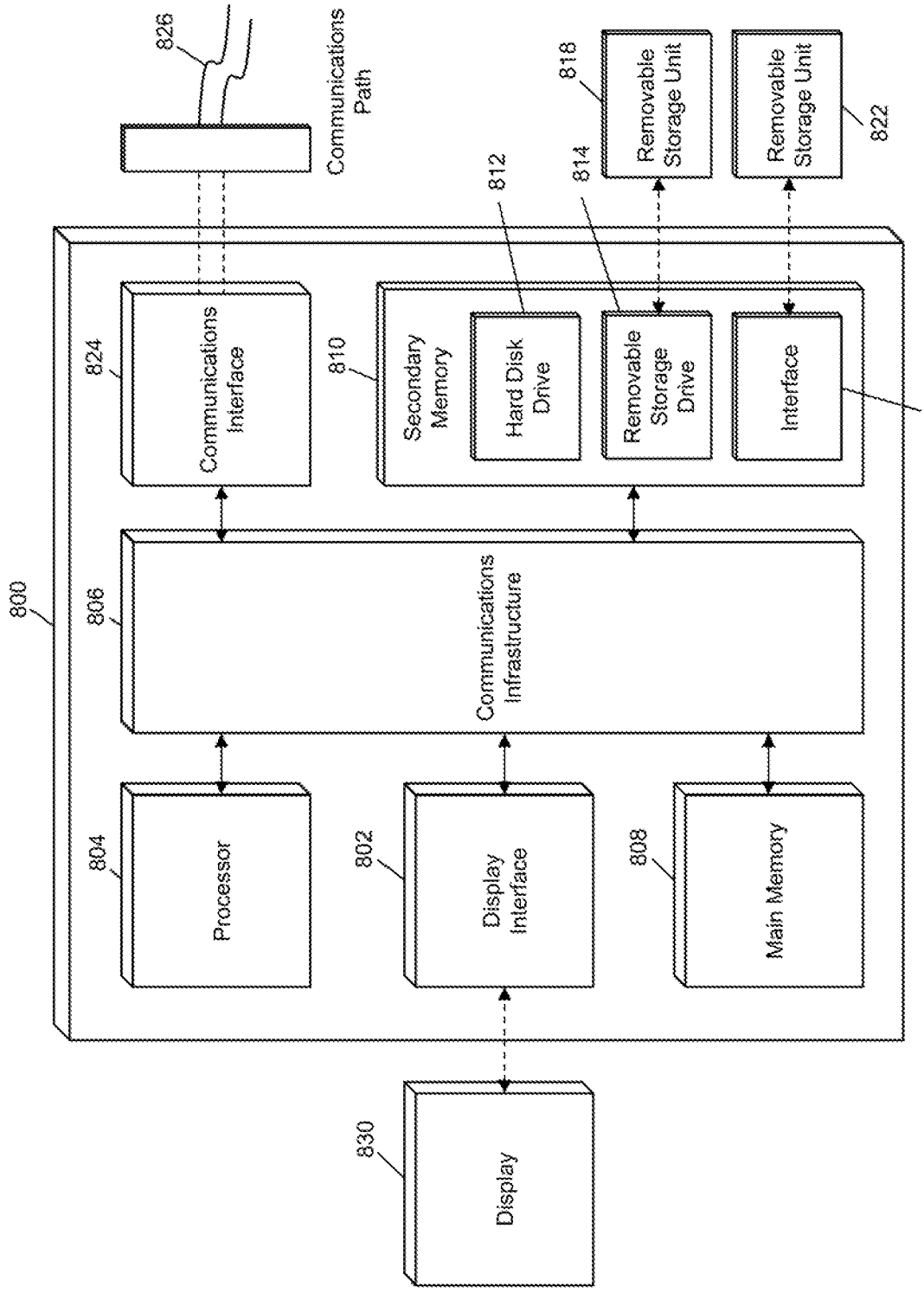

826
Communications Path
818
Removable Storage Unit
822
Removable Storage Unit
812
814
824
Communications Interface
810
Secondary Memory
Hard Disk Drive
Removable Storage Drive
Interface
820
800
806
Communications Infrastructure
804
Processor
802
Display Interface
808
Main Memory
830
Display

FIG. 8