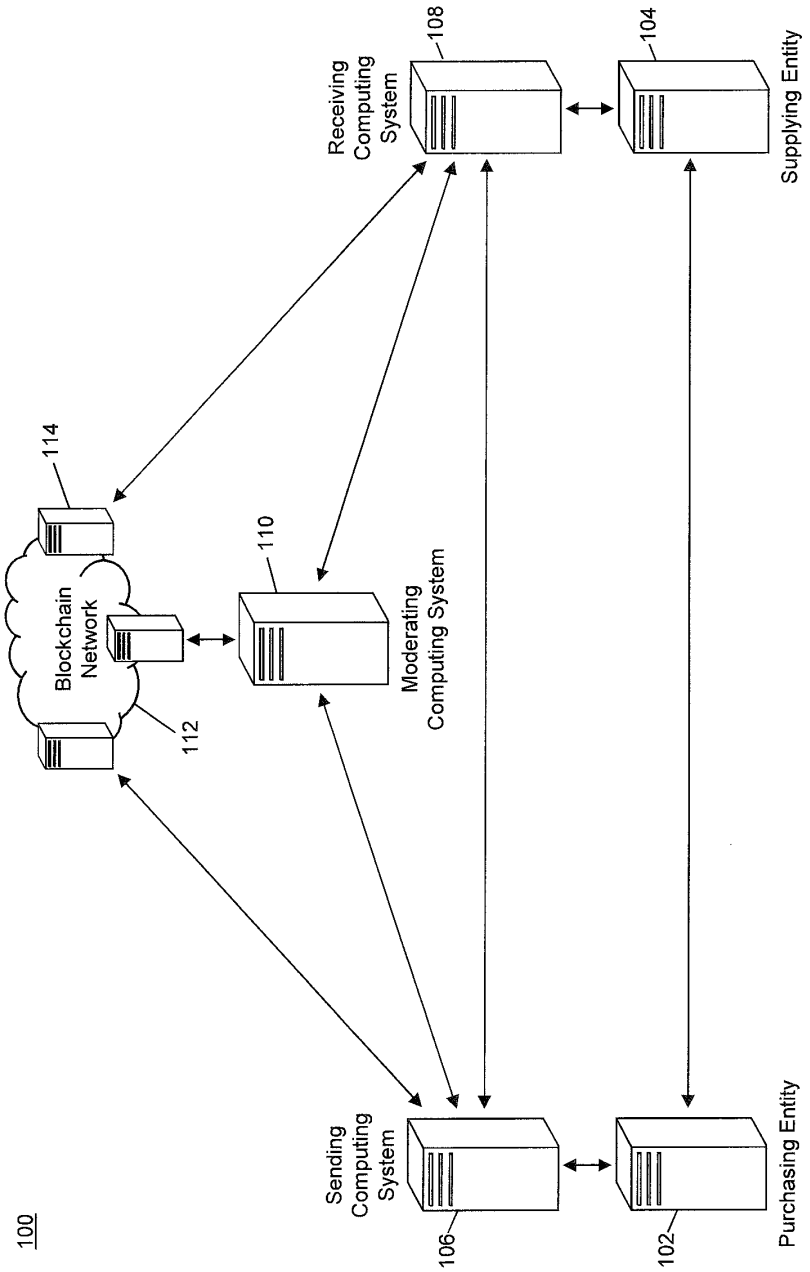

100
Purchasing Entity
102
Sending Computing System
106
Supplying Entity
104
Receiving Computing System
108
Moderating Computing System
110
Blockchain Network
112
114

FIG. 1

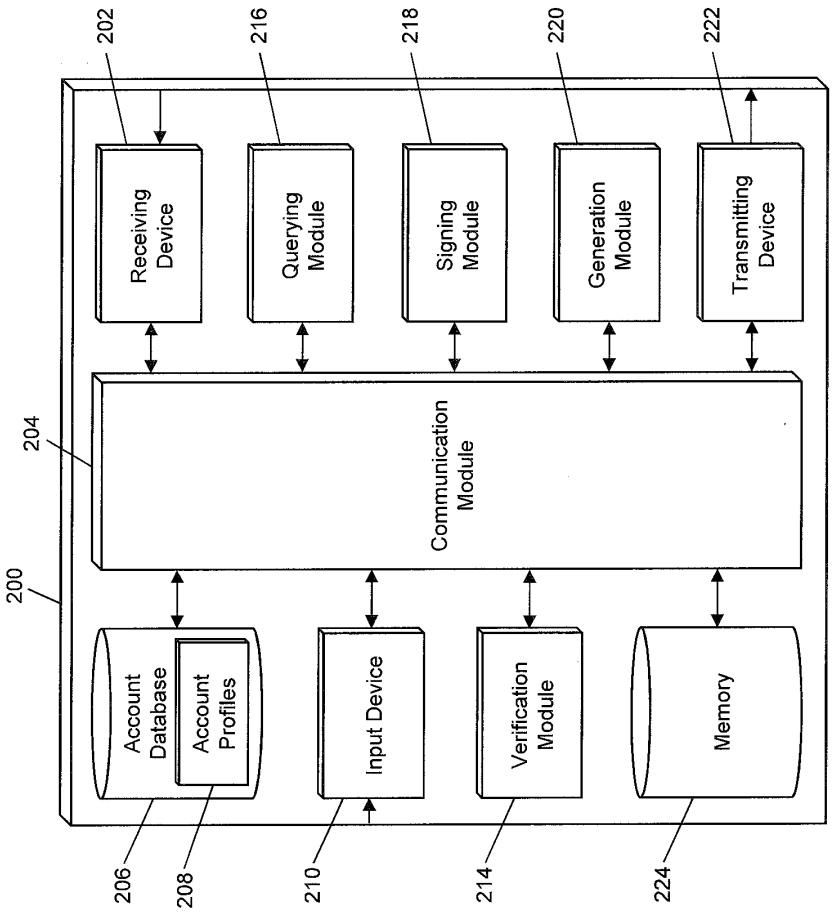

202
216
218
220
222
Receiving Device
Querying Module
Signing Module
Generation Module
Transmitting Device
204
Communication Module
200
Account Database
Account Profiles
Input Device
Verification Module
Memory
206
208
210
214
224

FIG. 2

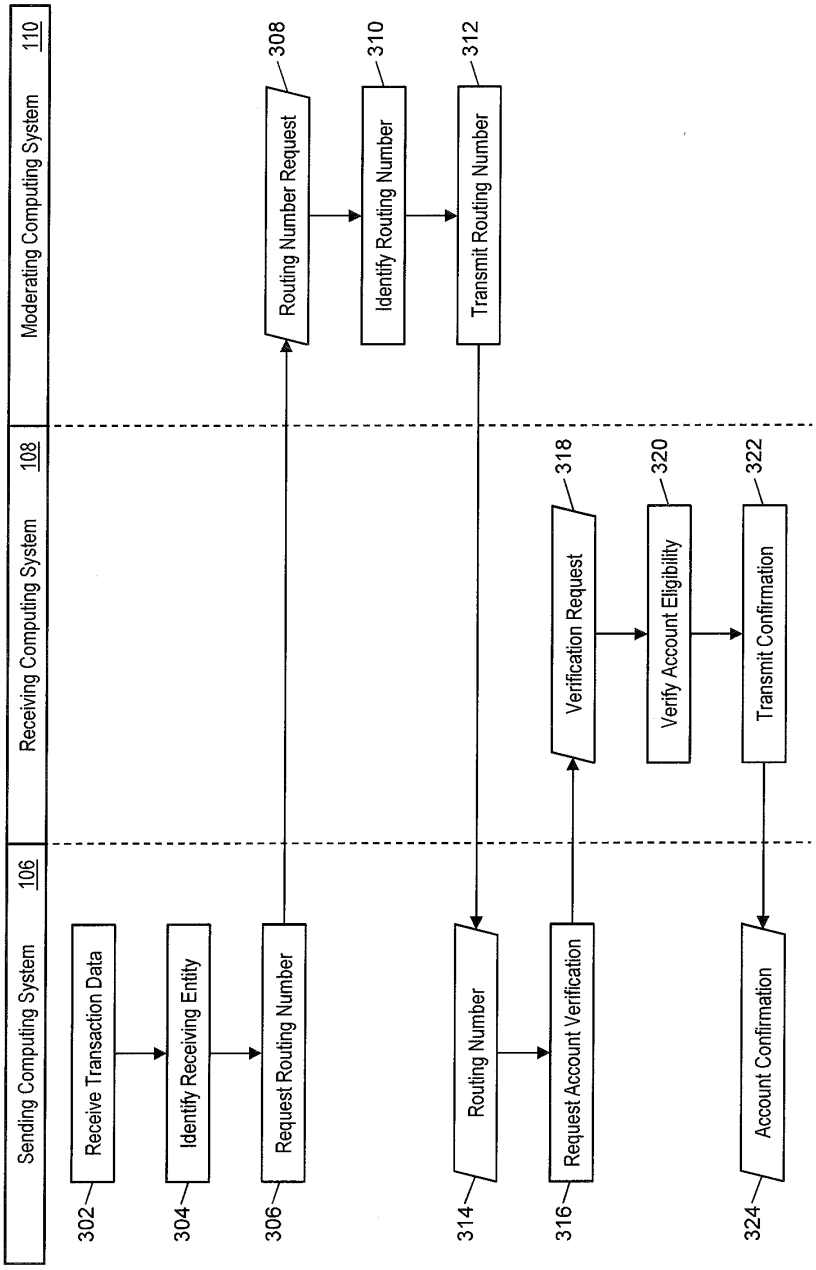

Sending Computing System 106
Receiving Computing System 108
Moderating Computing System 110
Receive Transaction Data
Identify Receiving Entity
Request Routing Number
Routing Number Request
Identify Routing Number
Transmit Routing Number
Routing Number
Request Account Verification
Verification Request
Verify Account Eligibility
Transmit Confirmation
Account Confirmation
302
304
306
308
310
312
314
316
318
320
322
324

FIG. 3

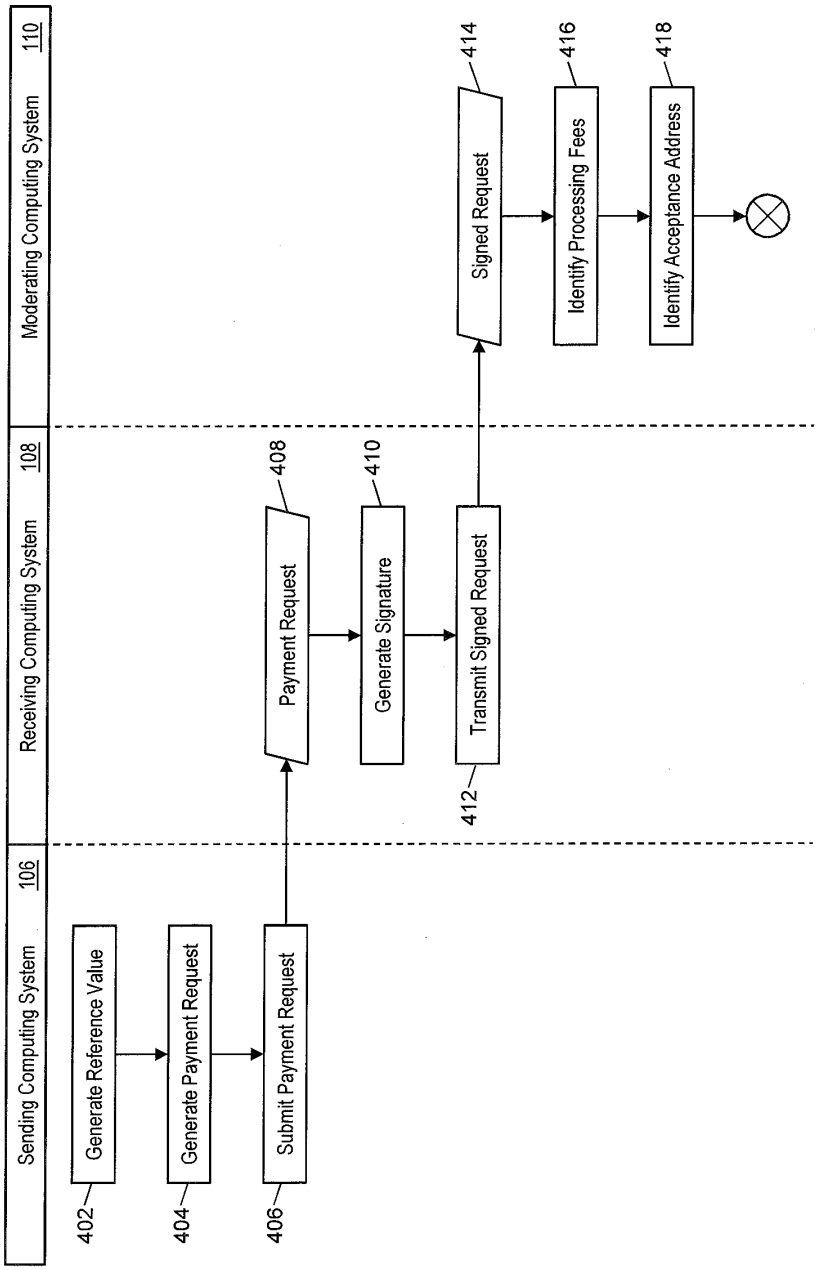

Sending Computing System 106
Receiving Computing System 108
Moderating Computing System 110
Generate Reference Value
Generate Payment Request
Submit Payment Request
Payment Request
Generate Signature
Transmit Signed Request
Signed Request
Identify Processing Fees
Identify Acceptance Address
402
404
406
408
410
412
414
416
418

FIG. 4A

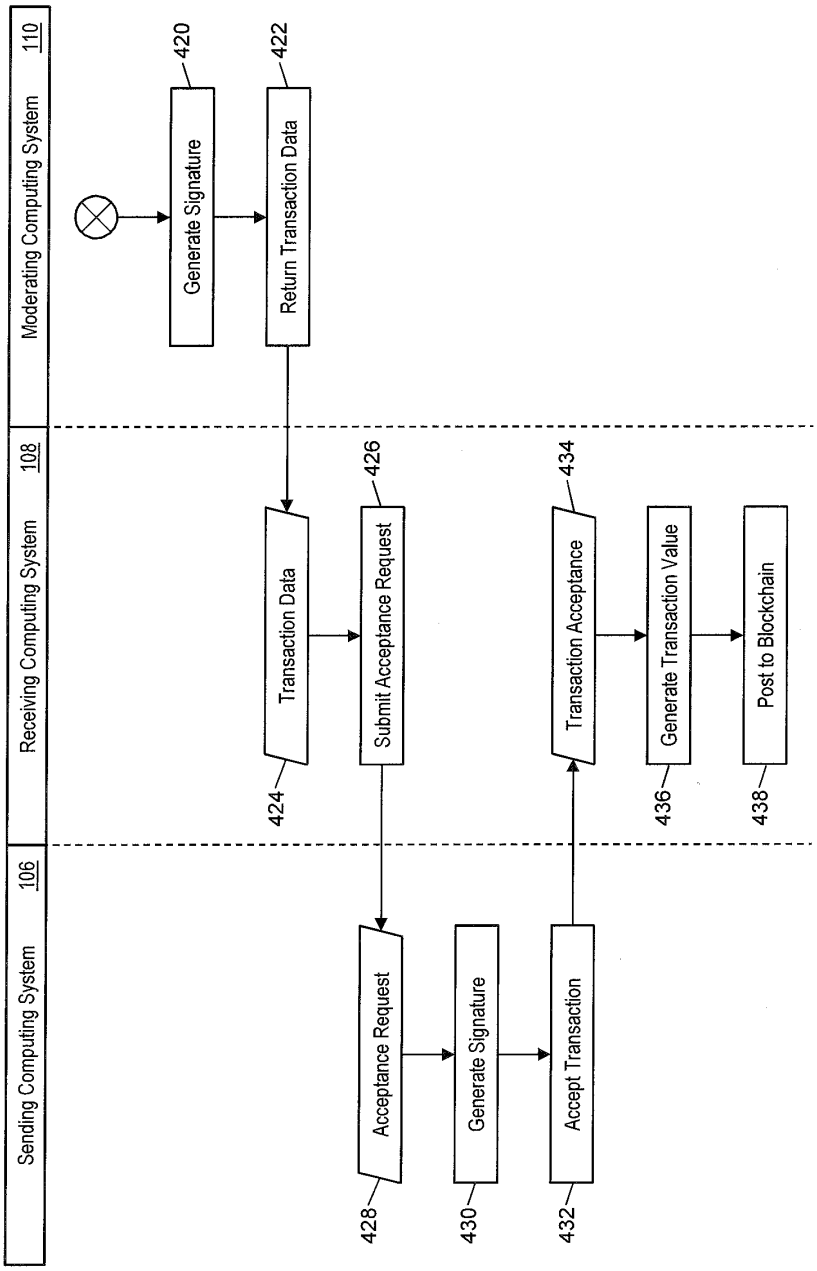

Sending Computing System 106
Receiving Computing System 108
Moderating Computing System 110
Generate Signature
420
Return Transaction Data
422
Transaction Data
424
Submit Acceptance Request
426
Acceptance Request
428
Generate Signature
430
Accept Transaction
432
Transaction Acceptance
434
Generate Transaction Value
436
Post to Blockchain
438

FIG. 4B

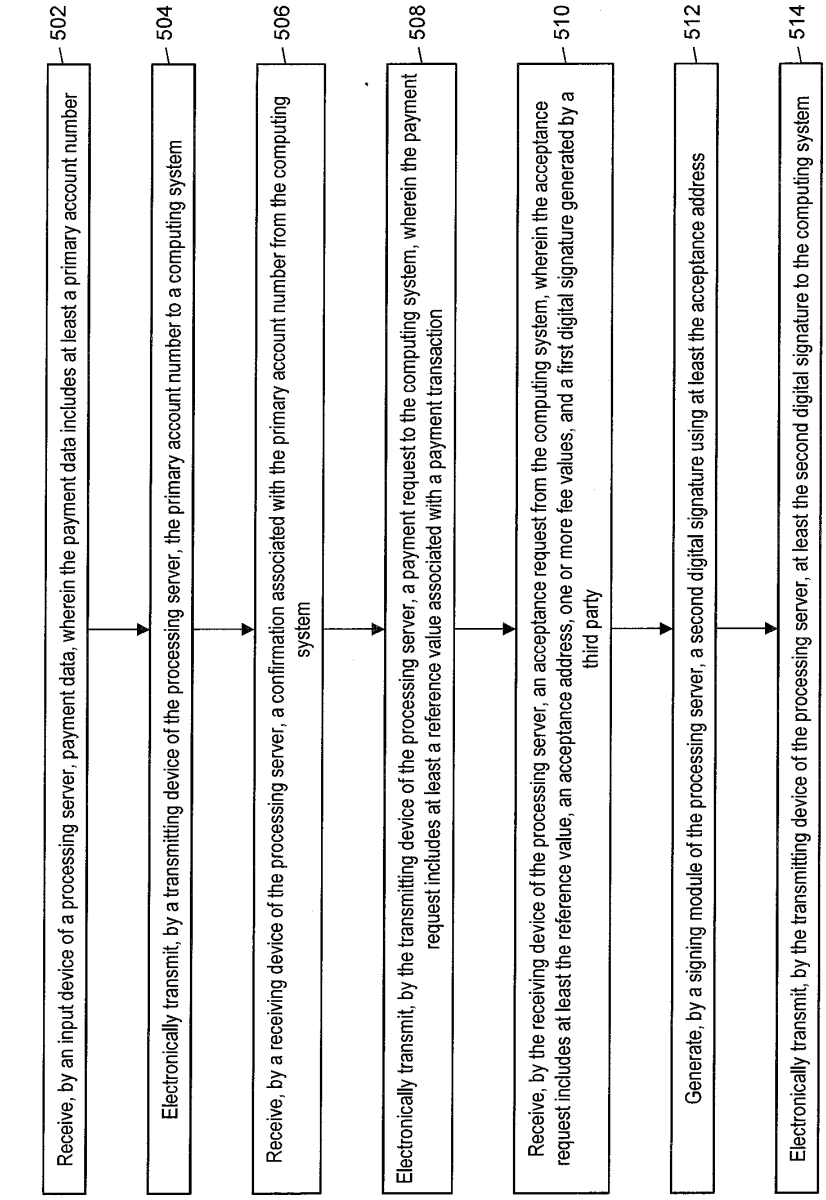

500
502
Receive, by an input device of a processing server, payment data, wherein the payment data includes at least a primary account number
504
Electronically transmit, by a transmitting device of the processing server, the primary account number to a computing system
506
Receive, by a receiving device of the processing server, a confirmation associated with the primary account number from the computing system
508
Electronically transmit, by the transmitting device of the processing server, a payment request to the computing system, wherein the payment request includes at least a reference value associated with a payment transaction
510
Receive, by the receiving device of the processing server, an acceptance request from the computing system, wherein the acceptance request includes at least the reference value, an acceptance address, one or more fee values, and a first digital signature generated by a third party
512
Generate, by a signing module of the processing server, a second digital signature using at least the acceptance address
514
Electronically transmit, by the transmitting device of the processing server, at least the second digital signature to the computing system

FIG. 5

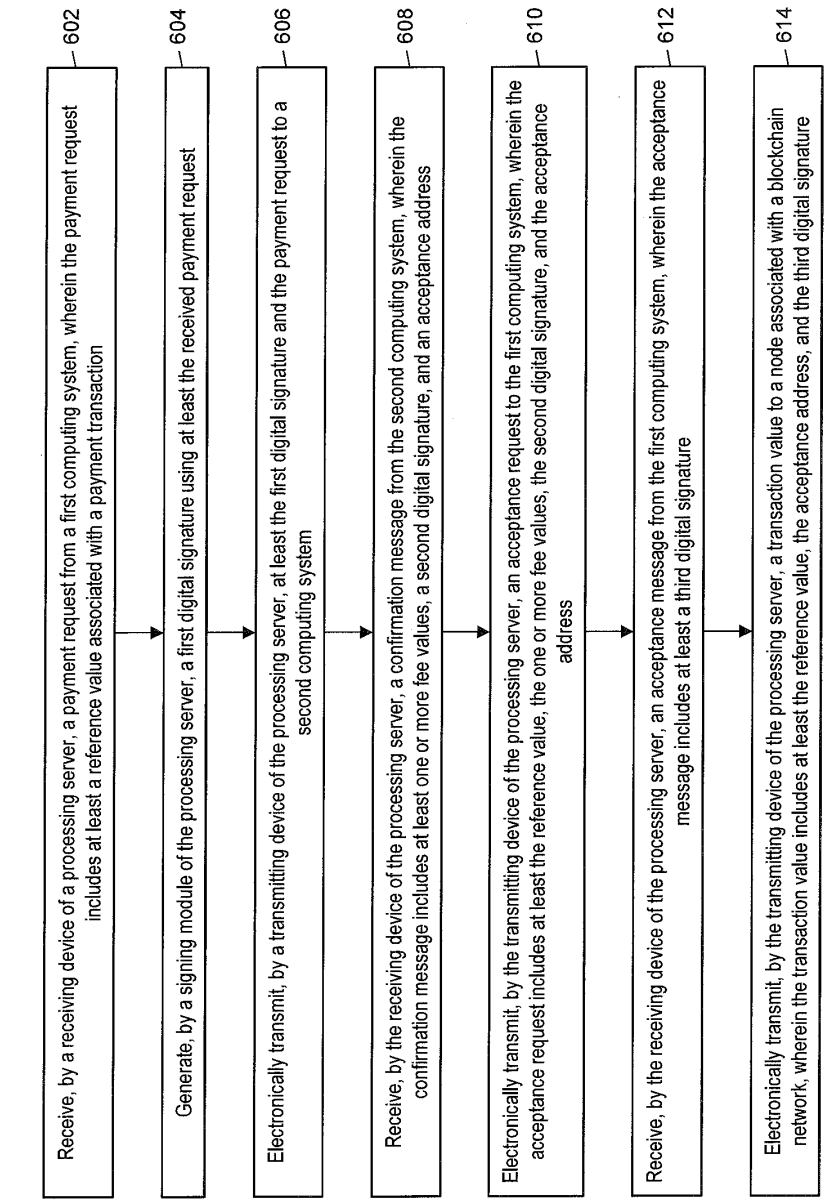

600
602
Receive, by a receiving device of a processing server, a payment request from a first computing system, wherein the payment request includes at least a reference value associated with a payment transaction
604
Generate, by a signing module of the processing server, a first digital signature using at least the received payment request
606
Electronically transmit, by a transmitting device of the processing server, at least the first digital signature and the payment request to a second computing system
608
Receive, by the receiving device of the processing server, a confirmation message from the second computing system, wherein the confirmation message includes at least one or more fee values, a second digital signature, and an acceptance address
610
Electronically transmit, by the transmitting device of the processing server, an acceptance request to the first computing system, wherein the acceptance request includes at least the reference value, the one or more fee values, the second digital signature, and the acceptance address
612
Receive, by the receiving device of the processing server, an acceptance message from the first computing system, wherein the acceptance message includes at least a third digital signature
614
Electronically transmit, by the transmitting device of the processing server, a transaction value to a node associated with a blockchain network, wherein the transaction value includes at least the reference value, the acceptance address, and the third digital signature

FIG. 6

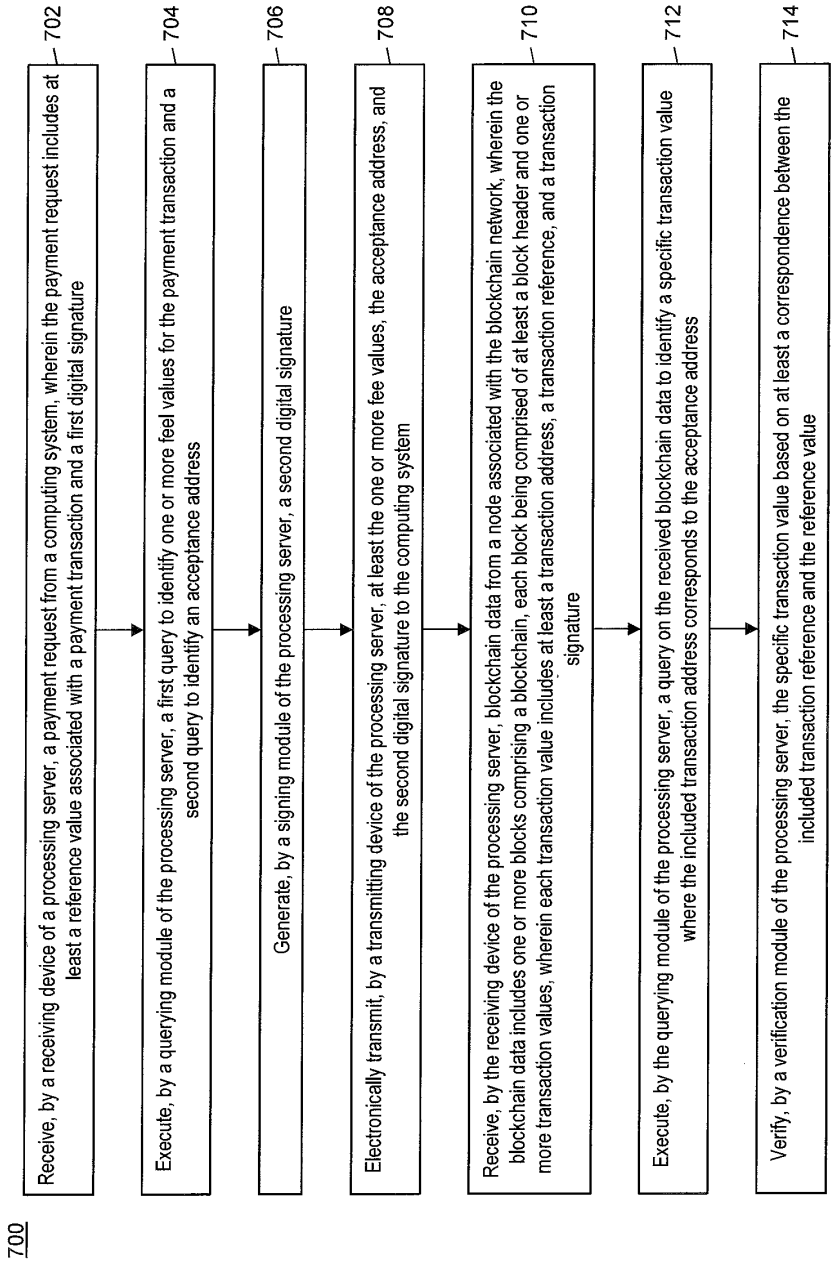

700
Receive, by a receiving device of a processing server, a payment request from a computing system, wherein the payment request includes at least a reference value associated with a payment transaction and a first digital signature
702
Execute, by a querying module of the processing server, a first query to identify one or more feel values for the payment transaction and a second query to identify an acceptance address
704
Generate, by a signing module of the processing server, a second digital signature
706
Electronically transmit, by a transmitting device of the processing server, at least the one or more fee values, the acceptance address, and the second digital signature to the computing system
708
Receive, by the receiving device of the processing server, blockchain data from a node associated with the blockchain network, wherein the blockchain data includes one or more blocks comprising a blockchain, each block being comprised of at least a block header and one or more transaction values, wherein each transaction value includes at least a transaction address, a transaction reference, and a transaction signature
710
Execute, by the querying module of the processing server, a query on the received blockchain data to identify a specific transaction value where the included transaction address corresponds to the acceptance address
712
Verify, by a verification module of the processing server, the specific transaction value based on at least a correspondence between the included transaction reference and the reference value
714

FIG. 7

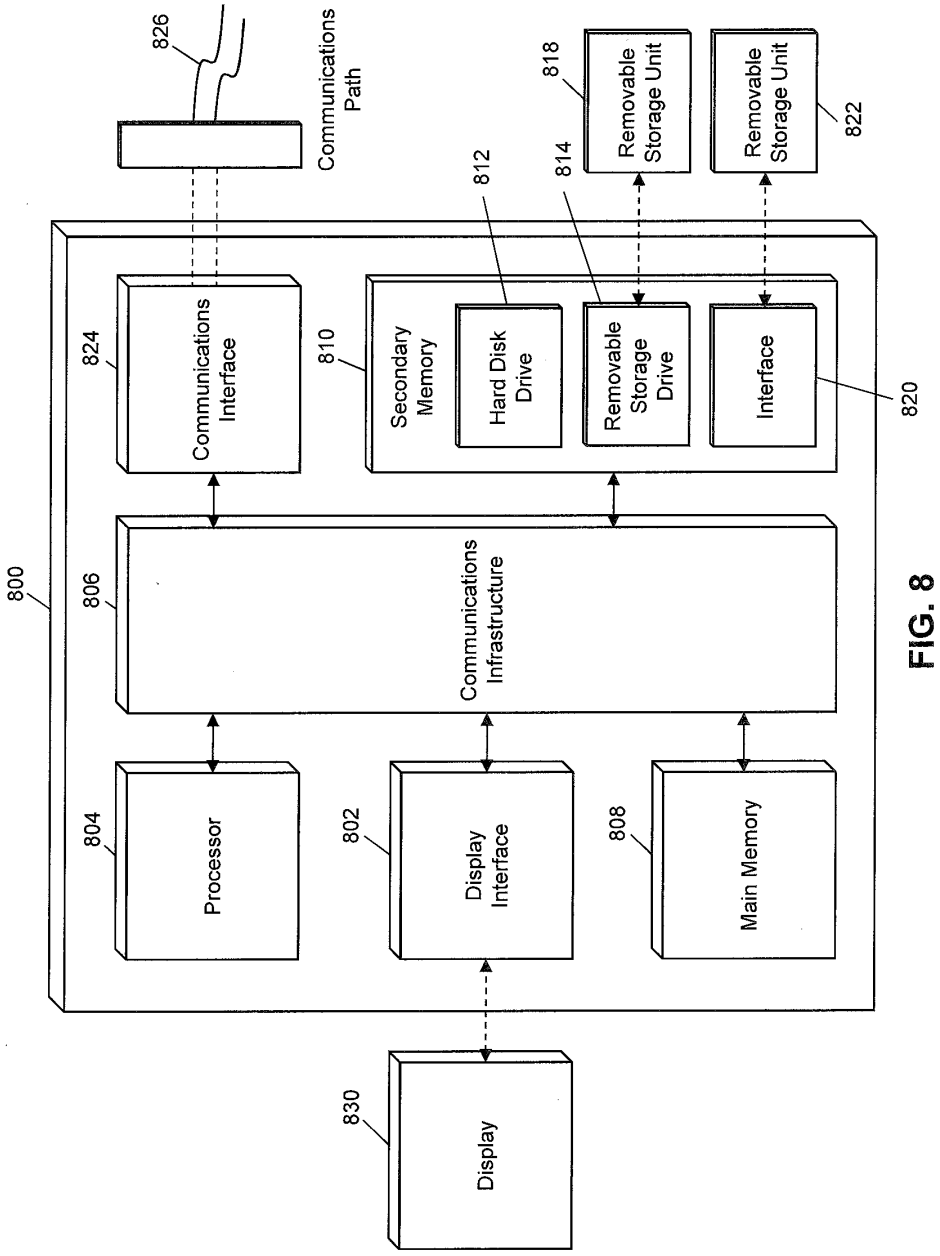

826
Communications Path
818
Removable Storage Unit
822
Removable Storage Unit
812
814
824
Communications Interface
810
Secondary Memory
Hard Disk Drive
Removable Storage Drive
Interface
820
800
806
Communications Infrastructure
804
Processor
802
Display Interface
808
Main Memory
830
Display

FIG. 8