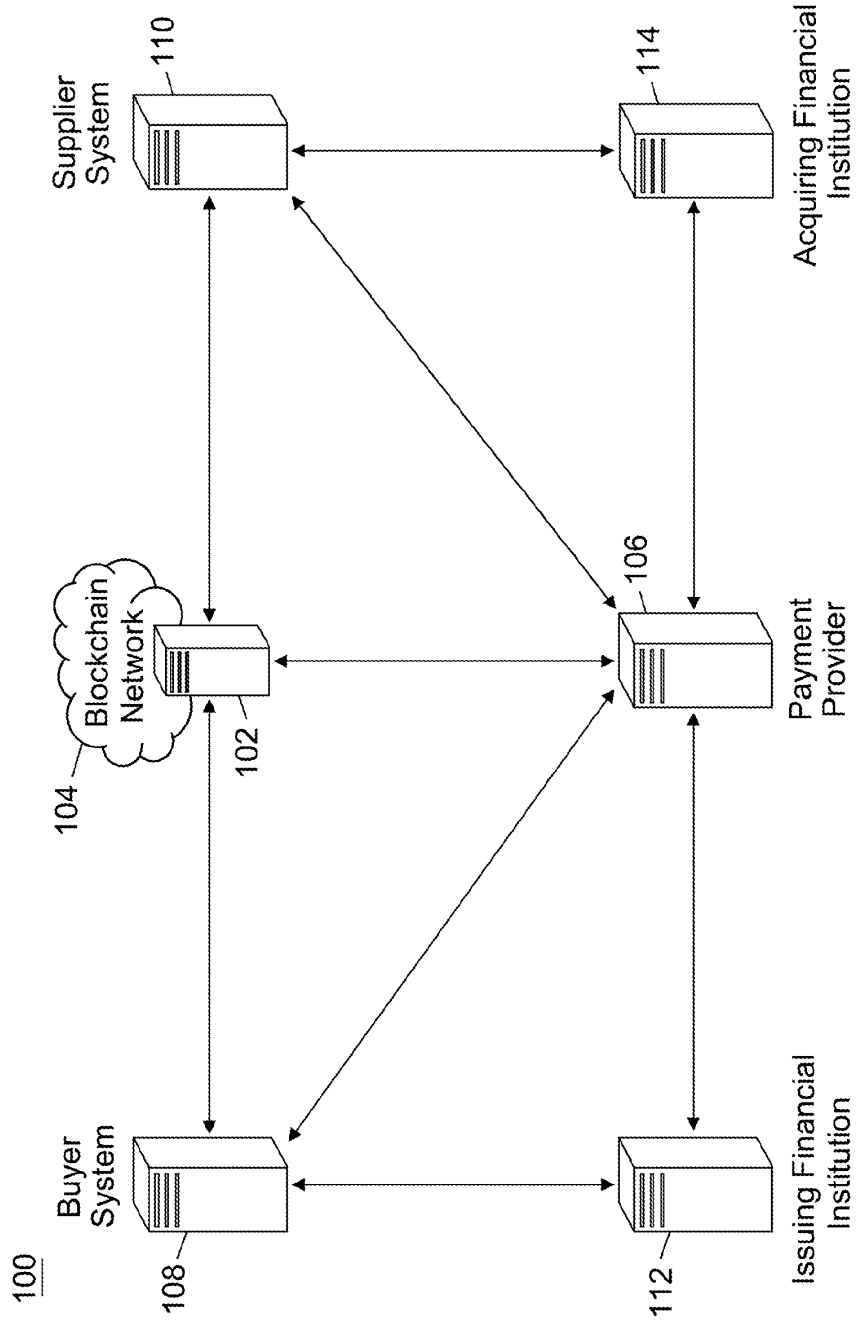

100
Supplier System
110
Acquiring Financial Institution
114
Blockchain Network
104
102
106
Payment Provider
Buyer System
108
112
Issuing Financial Institution

FIG. 1

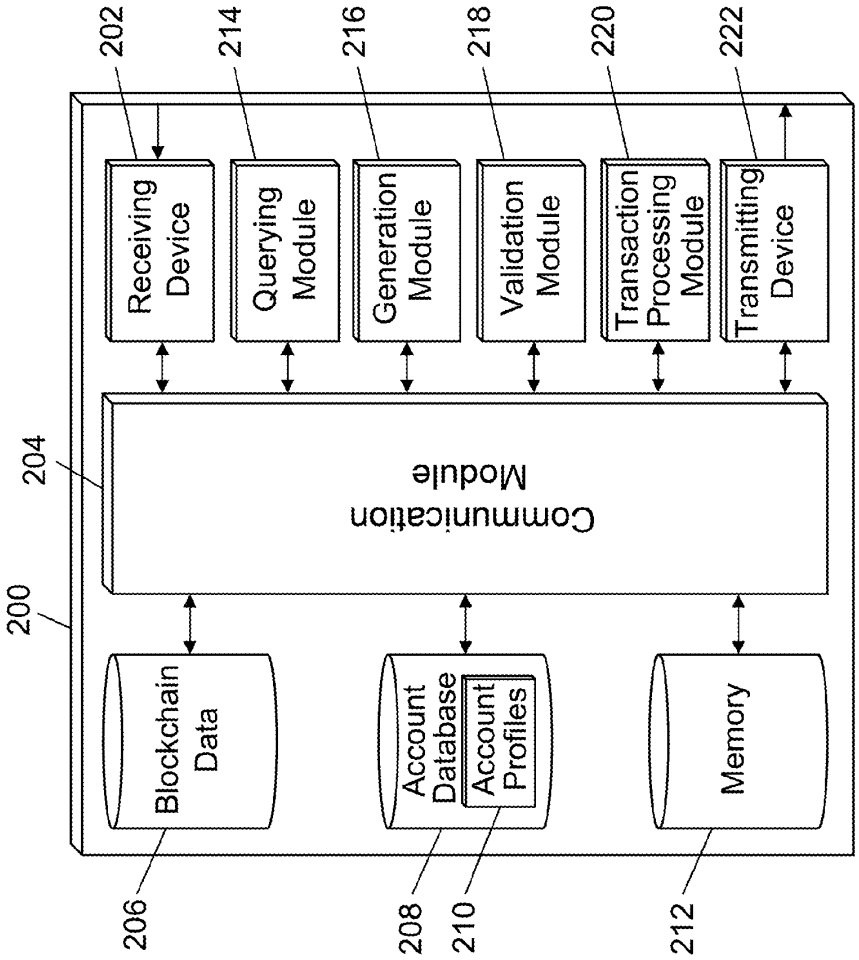

200
202
214
216
218
220
222
Receiving Device
Querying Module
Generation Module
Validation Module
Transaction Processing Module
Transmitting Device
204
Communication Module
Blockchain Data
Account Database
Account Profiles
Memory
206
208
210
212

FIG. 2

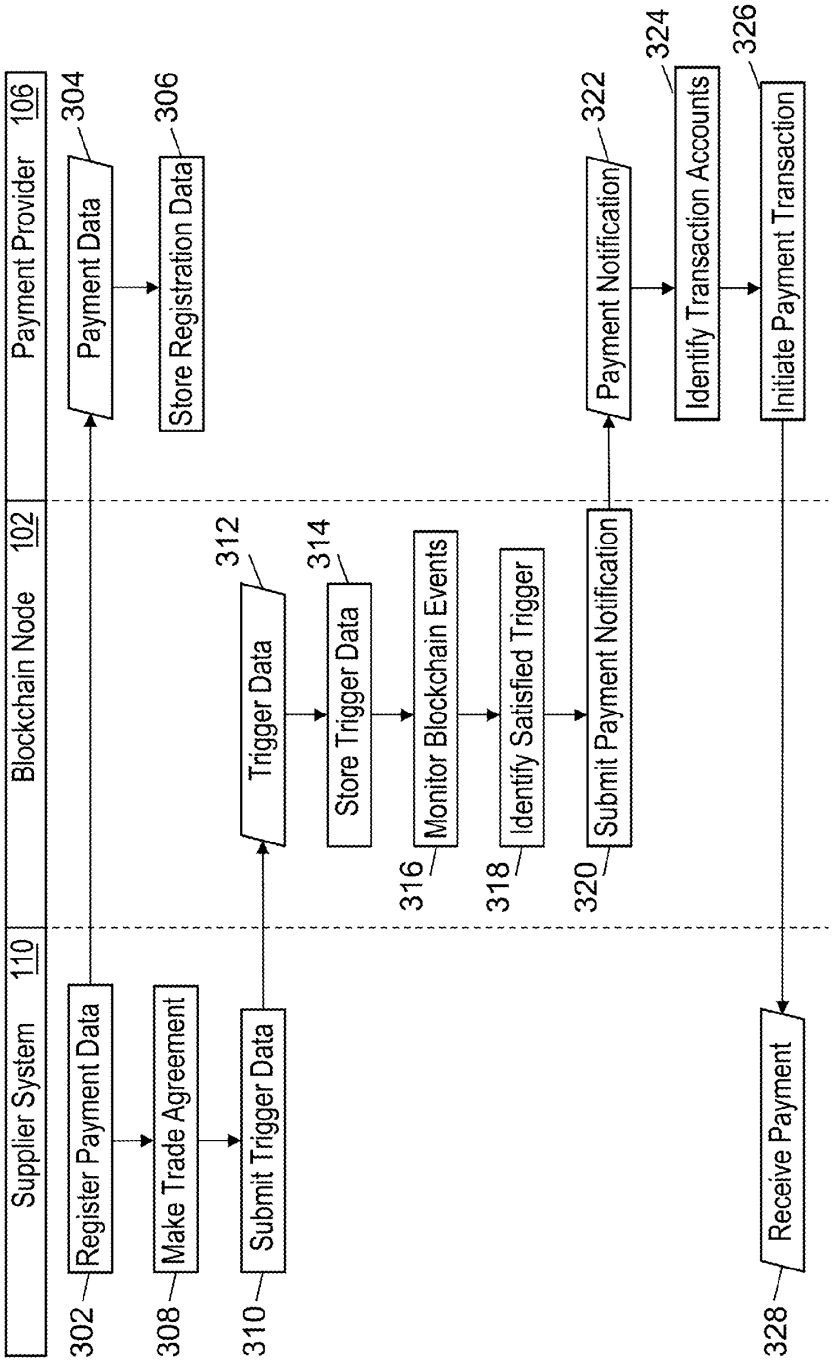

Supplier System 110
Blockchain Node 102
Payment Provider 106
Register Payment Data
Payment Data
Store Registration Data
Make Trade Agreement
Submit Trigger Data
Trigger Data
Store Trigger Data
Monitor Blockchain Events
Identify Satisfied Trigger
Submit Payment Notification
Payment Notification
Identify Transaction Accounts
Initiate Payment Transaction
Receive Payment
302
304
306
308
310
312
314
316
318
320
322
324
326
328

FIG. 3

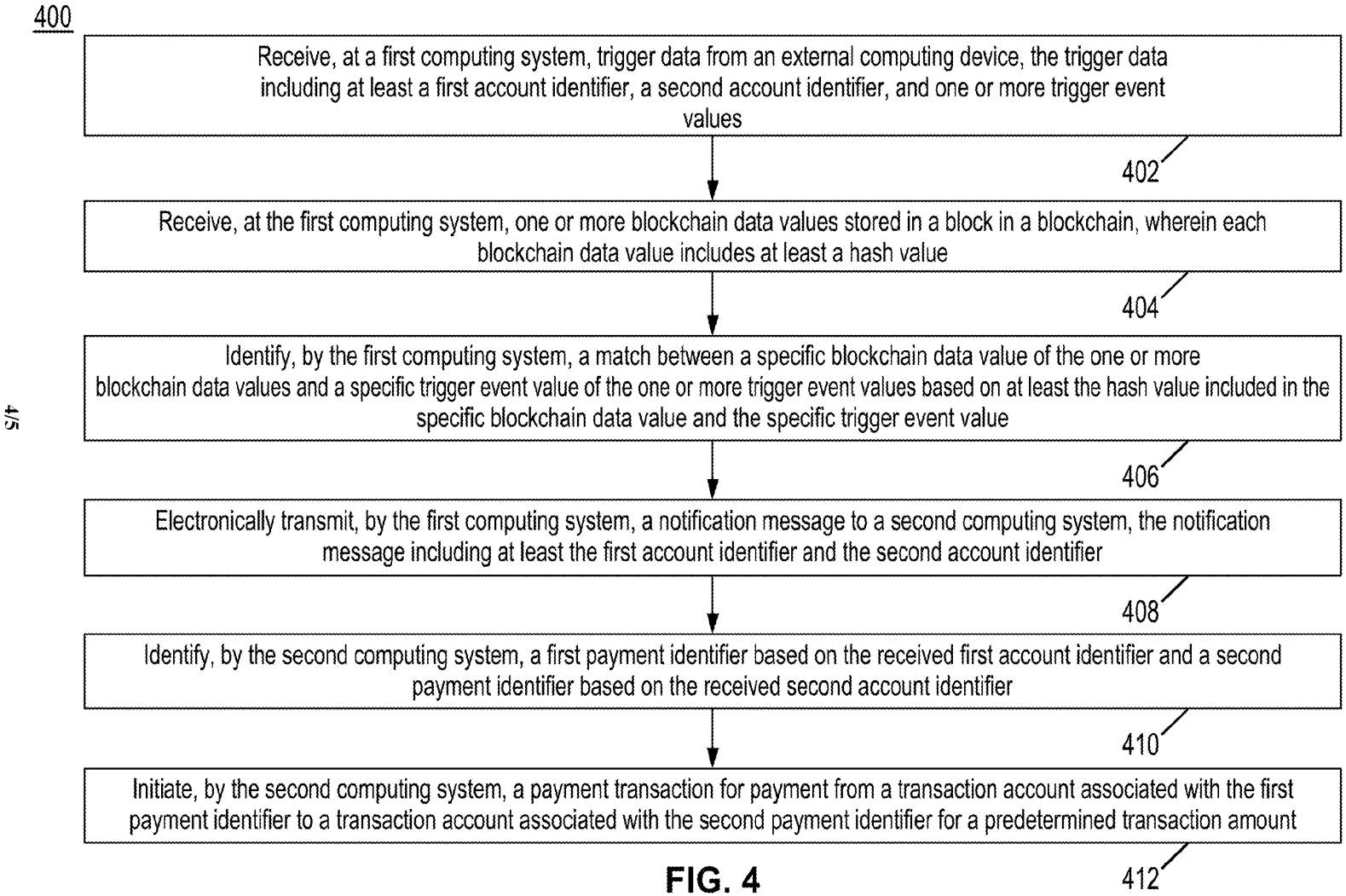

400
Receive, at a first computing system, trigger data from an external computing device, the trigger data including at least a first account identifier, a second account identifier, and one or more trigger event values
402
Receive, at the first computing system, one or more blockchain data values stored in a block in a blockchain, wherein each blockchain data value includes at least a hash value
404
Identify, by the first computing system, a match between a specific blockchain data value of the one or more blockchain data values and a specific trigger event value of the one or more trigger event values based on at least the hash value included in the specific blockchain data value and the specific trigger event value
406
Electronically transmit, by the first computing system, a notification message to a second computing system, the notification message including at least the first account identifier and the second account identifier
408
Identify, by the second computing system, a first payment identifier based on the received first account identifier and a second payment identifier based on the received second account identifier
410
Initiate, by the second computing system, a payment transaction for payment from a transaction account associated with the first payment identifier to a transaction account associated with the second payment identifier for a predetermined transaction amount
412

FIG. 4

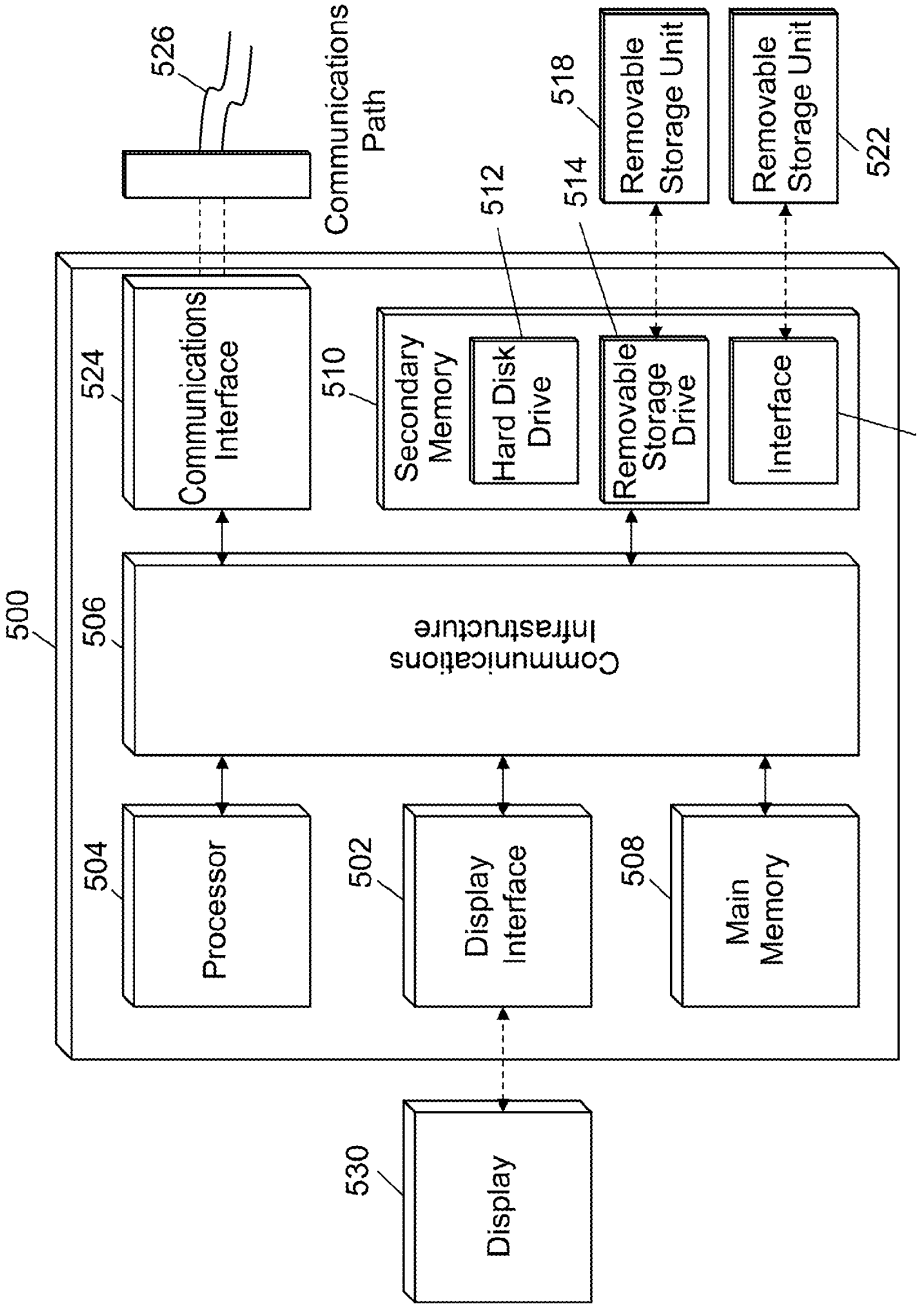

500
506
Communications Infrastructure
504
Processor
502
Display Interface
508
Main Memory
530
Display
524
Communications Interface
510
Secondary Memory
Hard Disk Drive
512
Removable Storage Drive
514
Interface
520
518
Removable Storage Unit
522
Removable Storage Unit
526
Communications Path

FIG. 5