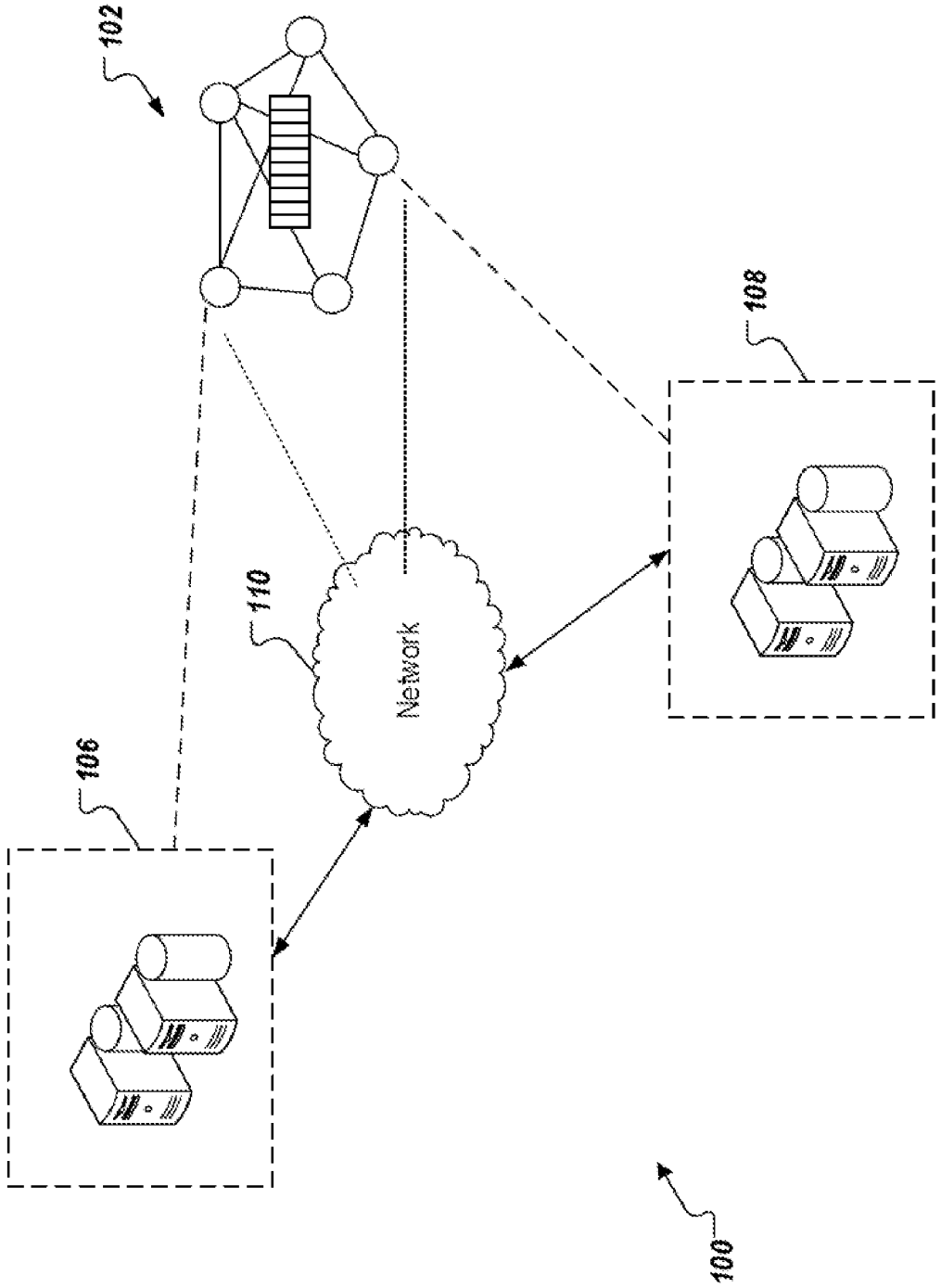

FIG. 1

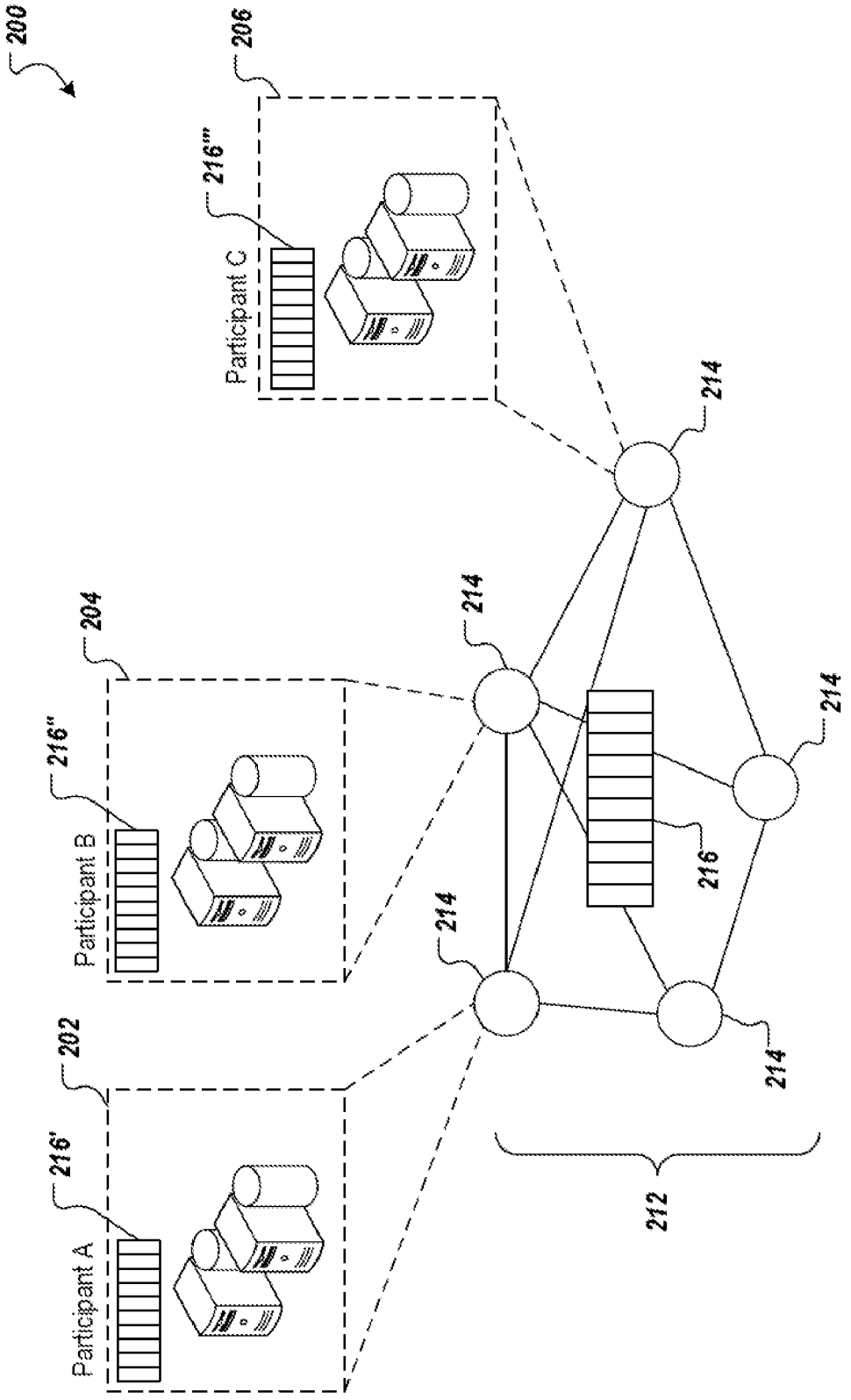
200
206
216'''
Participant C
214
204
214
216''
Participant B
214
216
214
202
216'
Participant A
212

FIG. 2

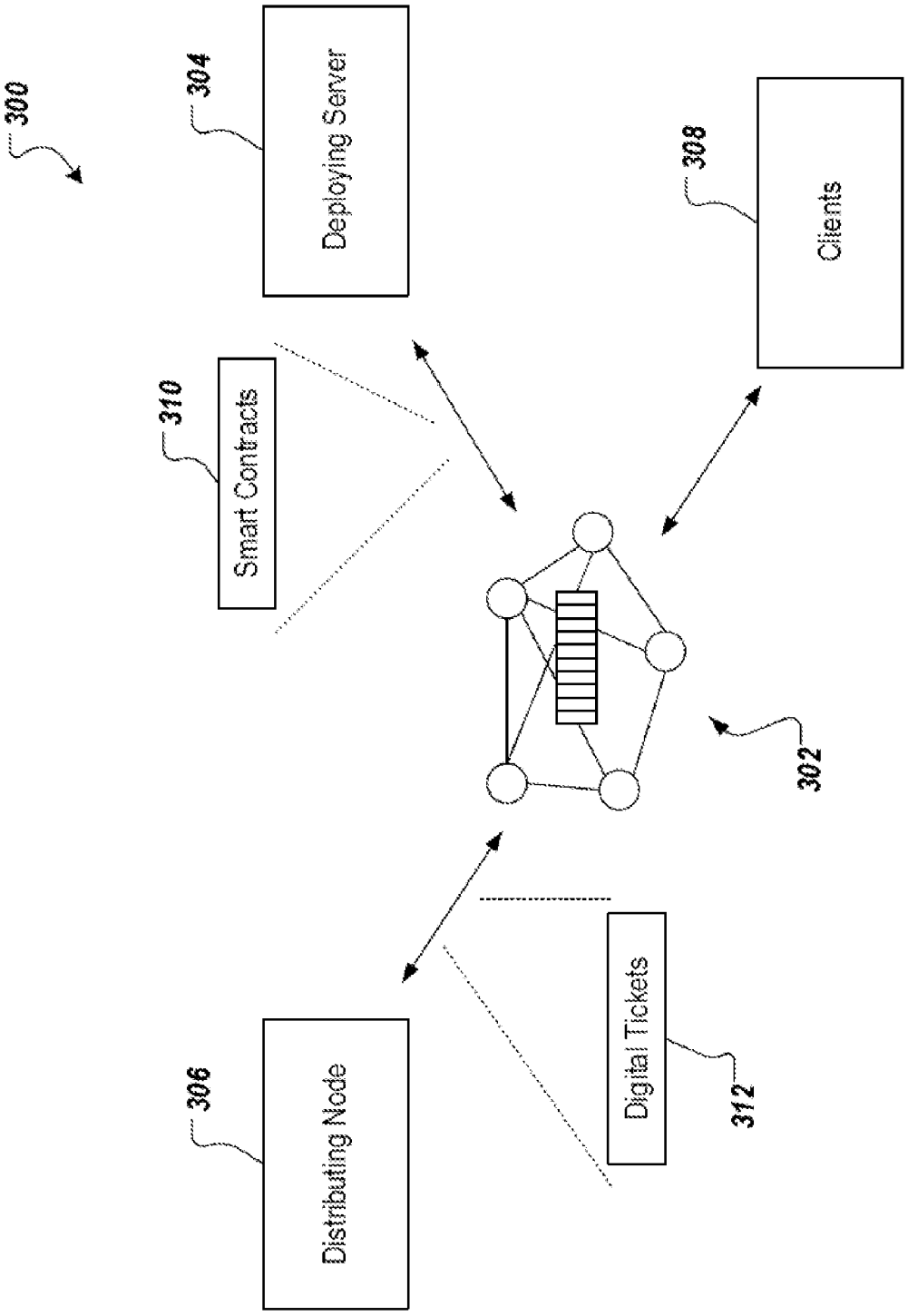
300
304
Deploying Server
308
Clients
310
Smart Contracts
302
306
Distributing Node
312
Digital Tickets

FIG. 3

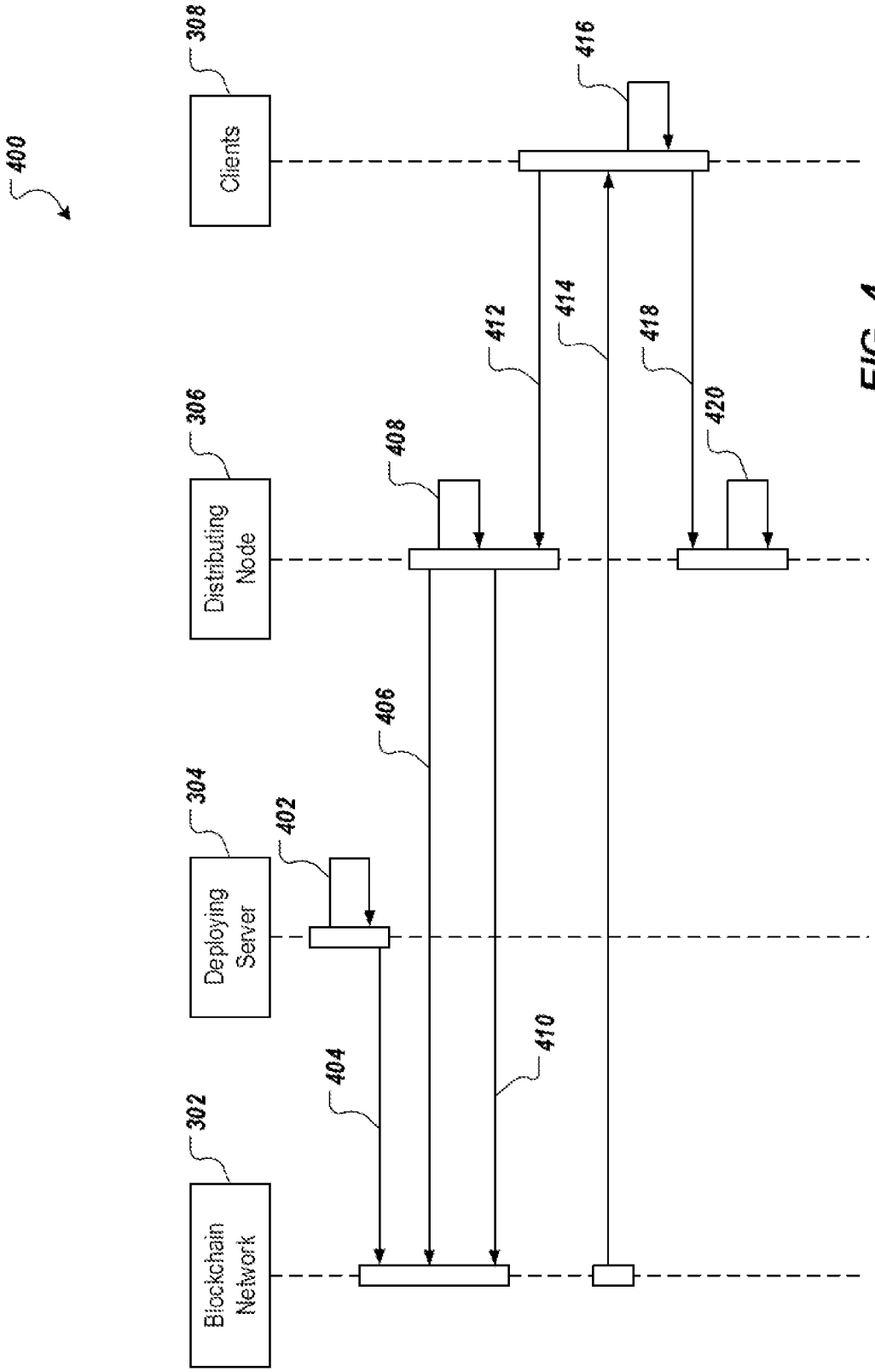
400
308
Clients
306
Distributing Node
304
Deploying Server
302
Blockchain Network
402
404
406
408
410
412
414
416
418
420

FIG. 4

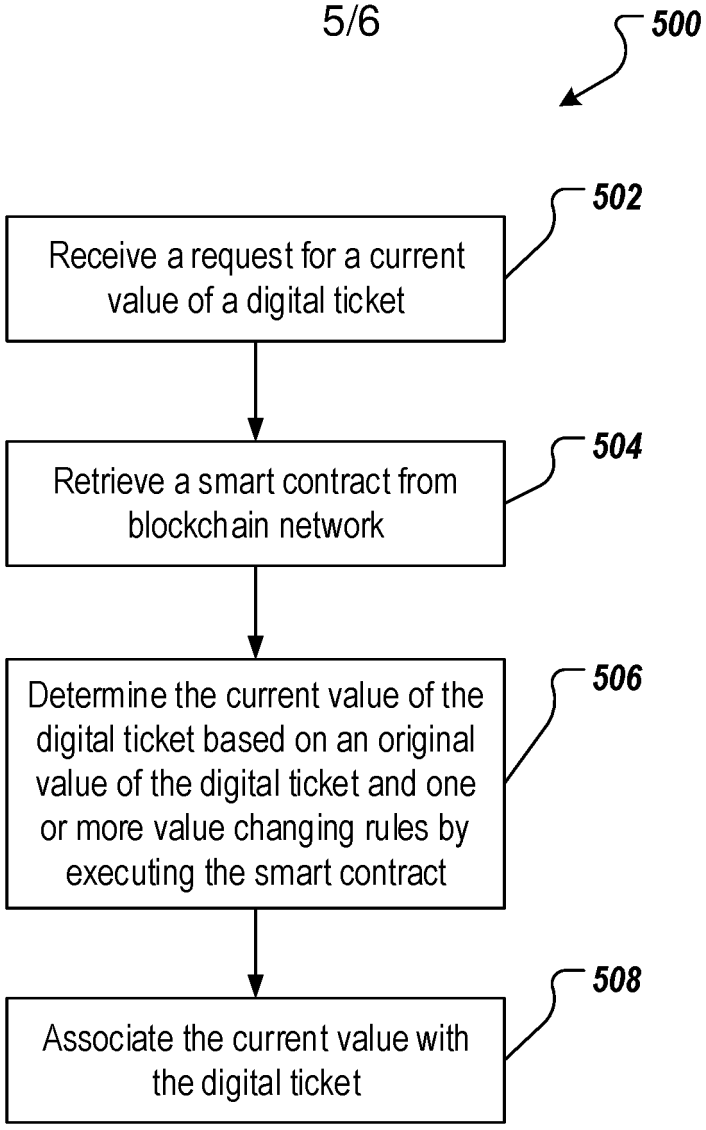
500
502
Receive a request for a current value of a digital ticket
504
Retrieve a smart contract from blockchain network
506
Determine the current value of the digital ticket based on an original value of the digital ticket and one or more value changing rules by executing the smart contract
508
Associate the current value with the digital ticket

FIG. 5

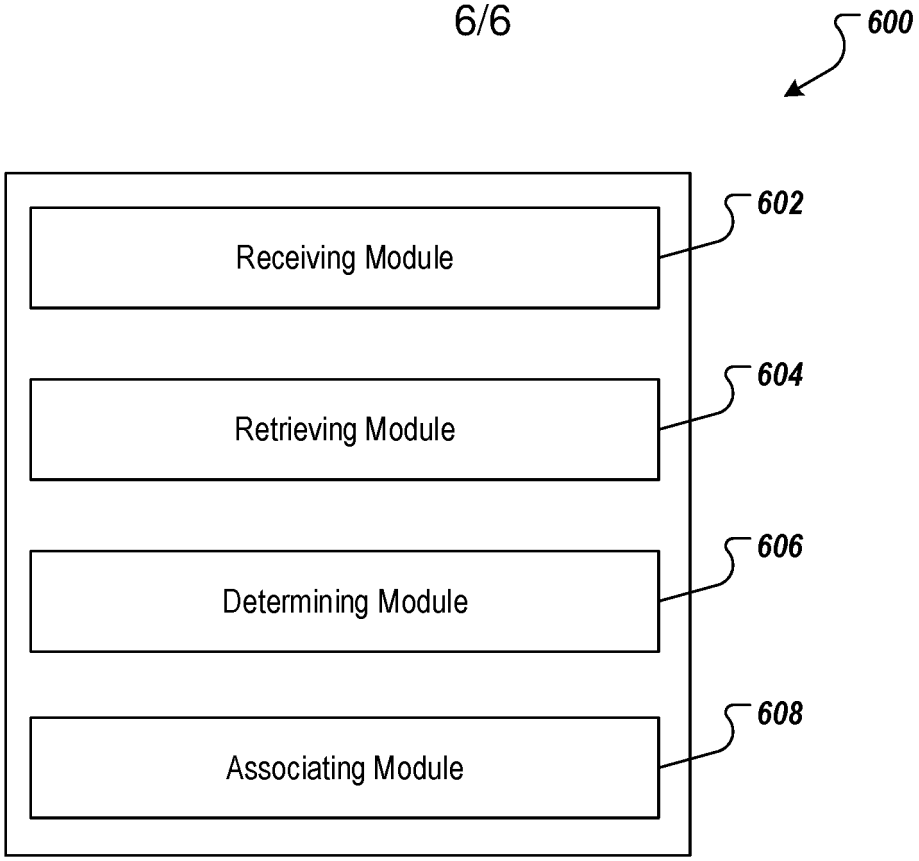
600
602
Receiving Module
604
Retrieving Module
606
Determining Module
608
Associating Module

FIG. 6