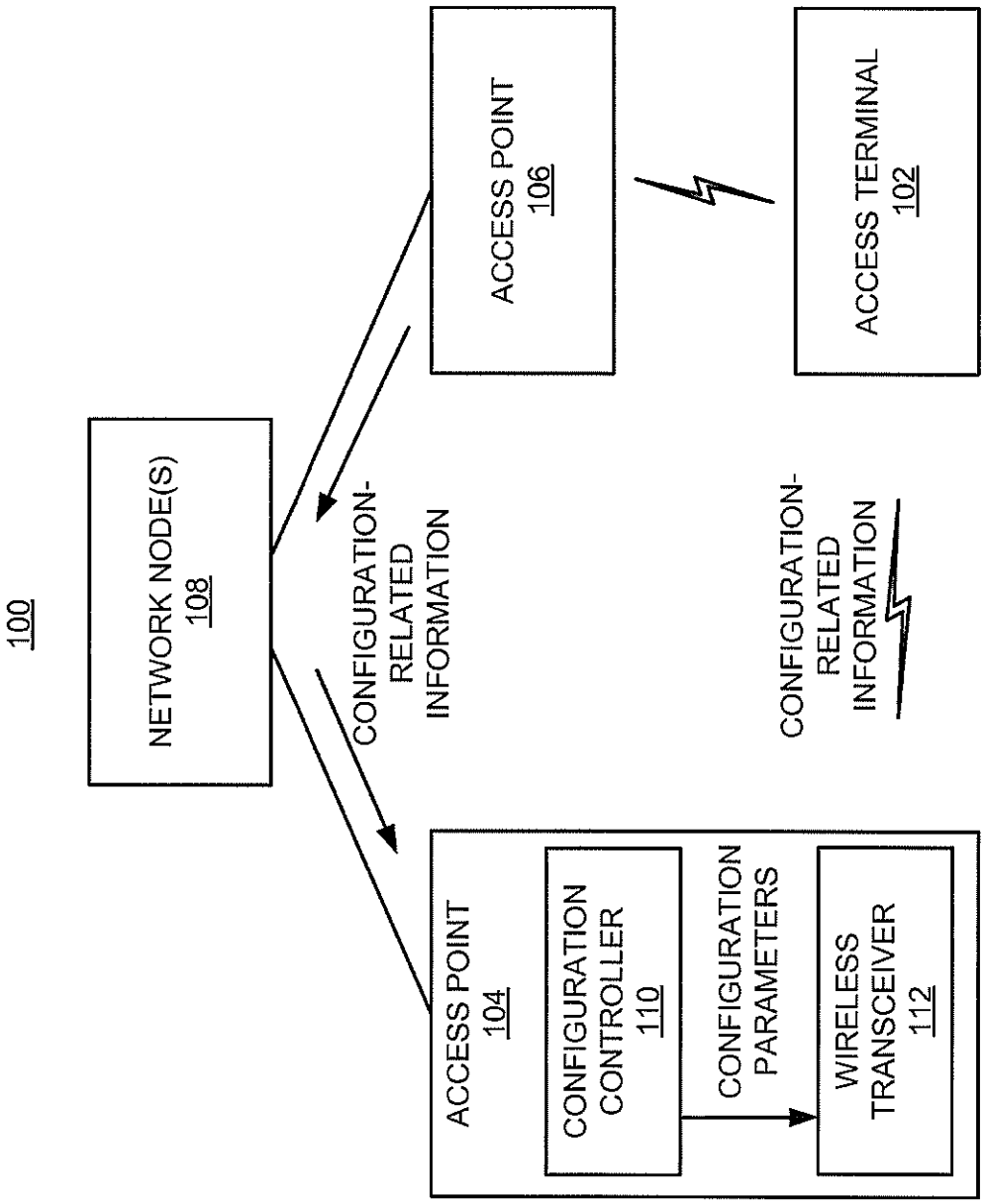

100
NETWORK NODE(S)
108
CONFIGURATION-
RELATED
INFORMATION
ACCESS POINT
106
ACCESS TERMINAL
102
CONFIGURATION-
RELATED
INFORMATION
ACCESS POINT
104
CONFIGURATION
CONTROLLER
110
CONFIGURATION
PARAMETERS
WIRELESS
TRANSCEIVER
112

FIG. 1

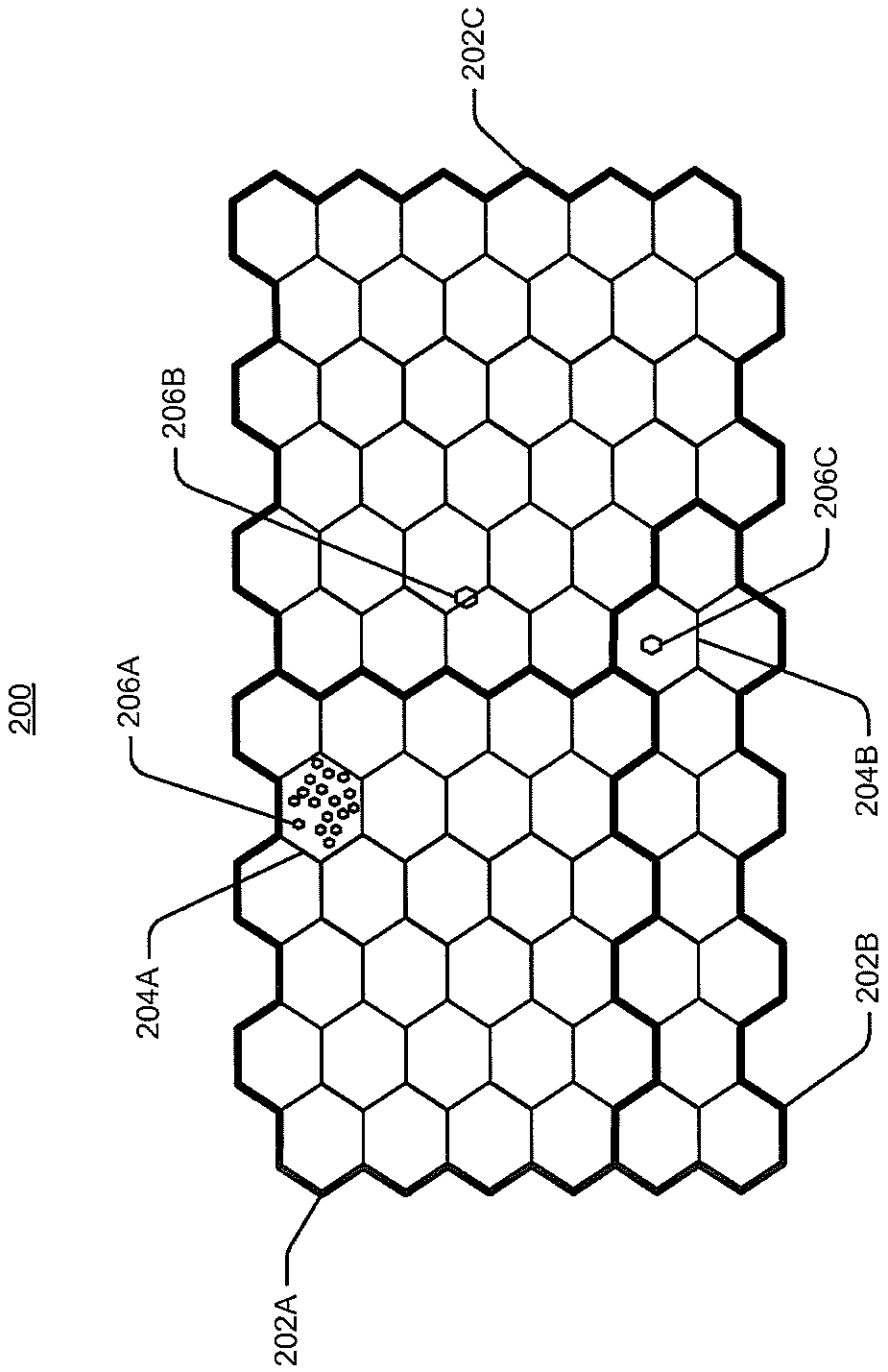



FIG. 2

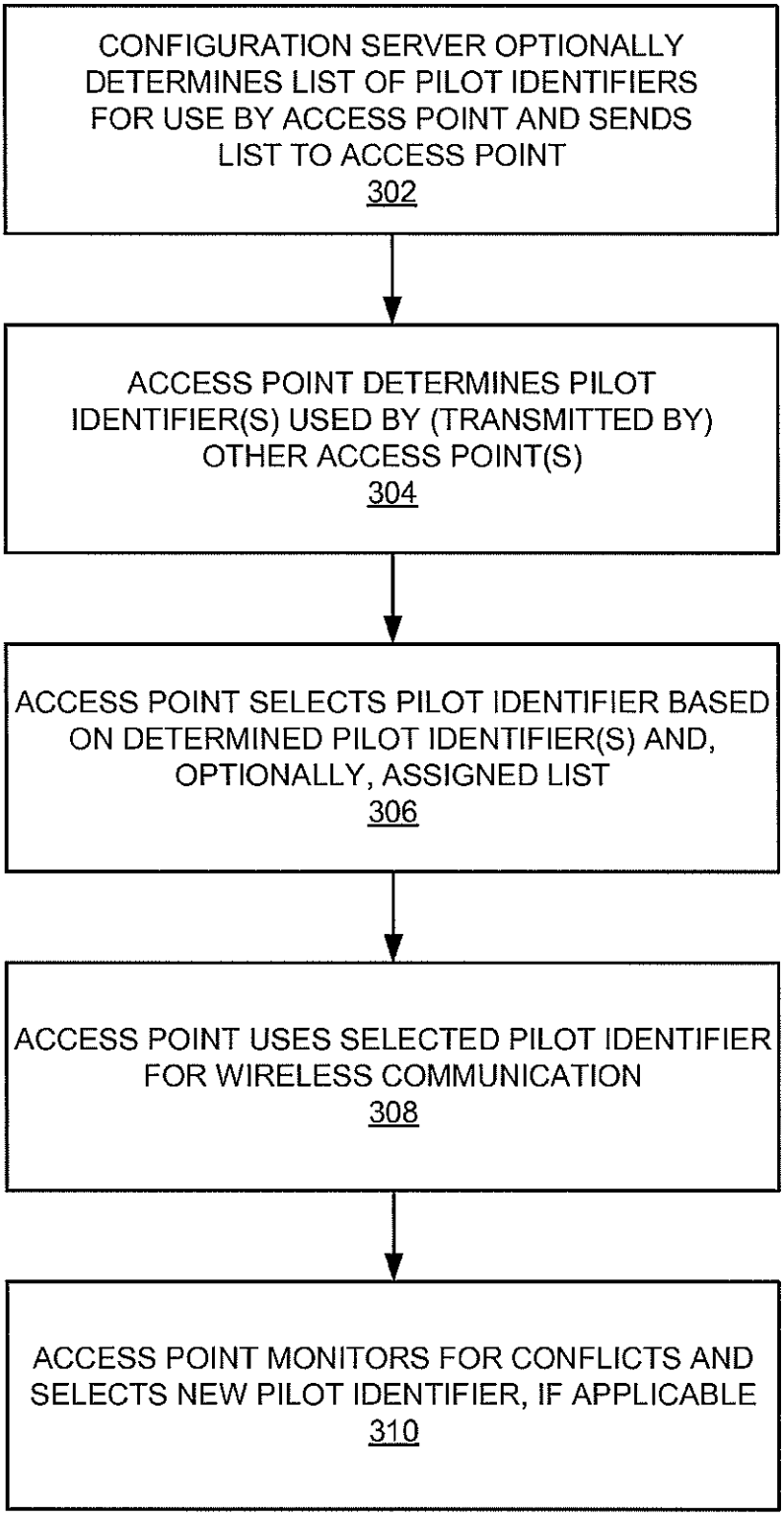

CONFIGURATION SERVER OPTIONALLY DETERMINES LIST OF PILOT IDENTIFIERS FOR USE BY ACCESS POINT AND SENDS LIST TO ACCESS POINT
302
ACCESS POINT DETERMINES PILOT IDENTIFIER(S) USED BY (TRANSMITTED BY) OTHER ACCESS POINT(S)
304
ACCESS POINT SELECTS PILOT IDENTIFIER BASED ON DETERMINED PILOT IDENTIFIER(S) AND, OPTIONALLY, ASSIGNED LIST
306
ACCESS POINT USES SELECTED PILOT IDENTIFIER FOR WIRELESS COMMUNICATION
308
ACCESS POINT MONITORS FOR CONFLICTS AND SELECTS NEW PILOT IDENTIFIER, IF APPLICABLE
310

FIG. 3

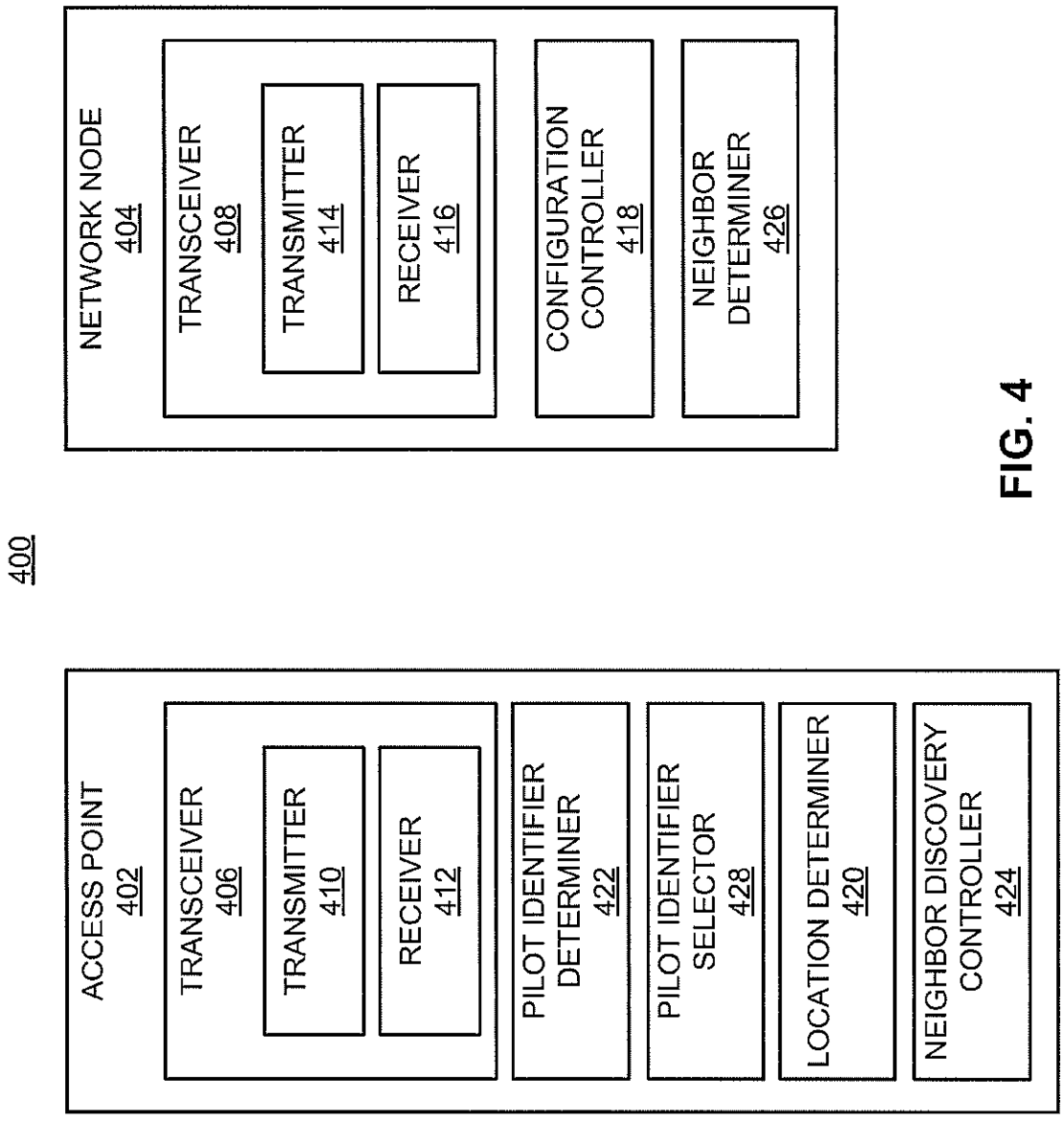

400
ACCESS POINT
402
TRANSCEIVER
406
TRANSMITTER
410
RECEIVER
412
PILOT IDENTIFIER DETERMINER
422
PILOT IDENTIFIER SELECTOR
428
LOCATION DETERMINER
420
NEIGHBOR DISCOVERY CONTROLLER
424
NETWORK NODE
404
TRANSCEIVER
408
TRANSMITTER
414
RECEIVER
416
CONFIGURATION CONTROLLER
418
NEIGHBOR DETERMINER
426

FIG. 4

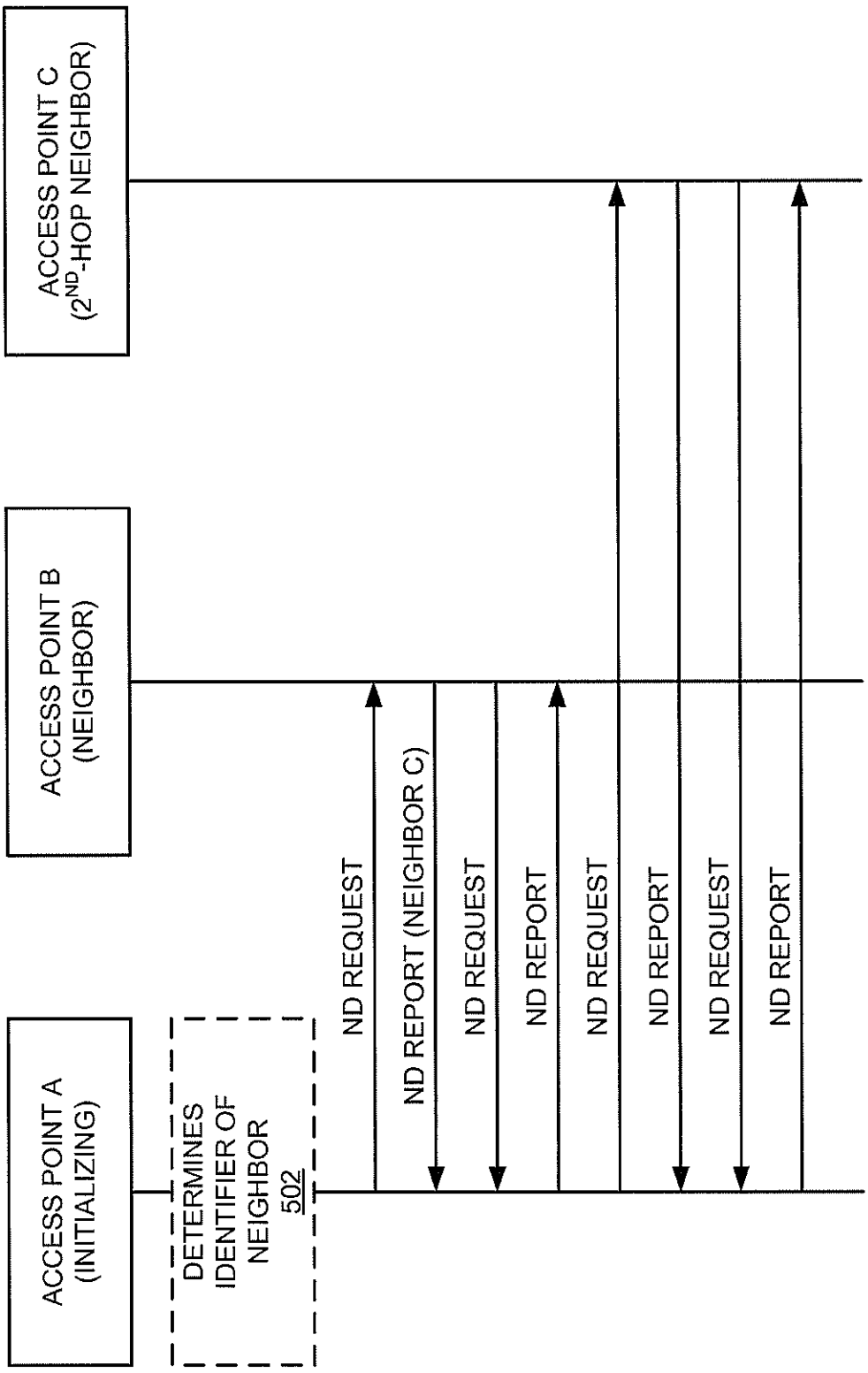

ACCESS POINT A
(INITIALIZING)
ACCESS POINT B
(NEIGHBOR)
ACCESS POINT C
(2ND-HOP NEIGHBOR)
DETERMINES IDENTIFIER OF NEIGHBOR
502
ND REQUEST
ND REPORT (NEIGHBOR C)
ND REQUEST
ND REPORT
ND REQUEST
ND REPORT
ND REQUEST
ND REPORT

FIG. 5

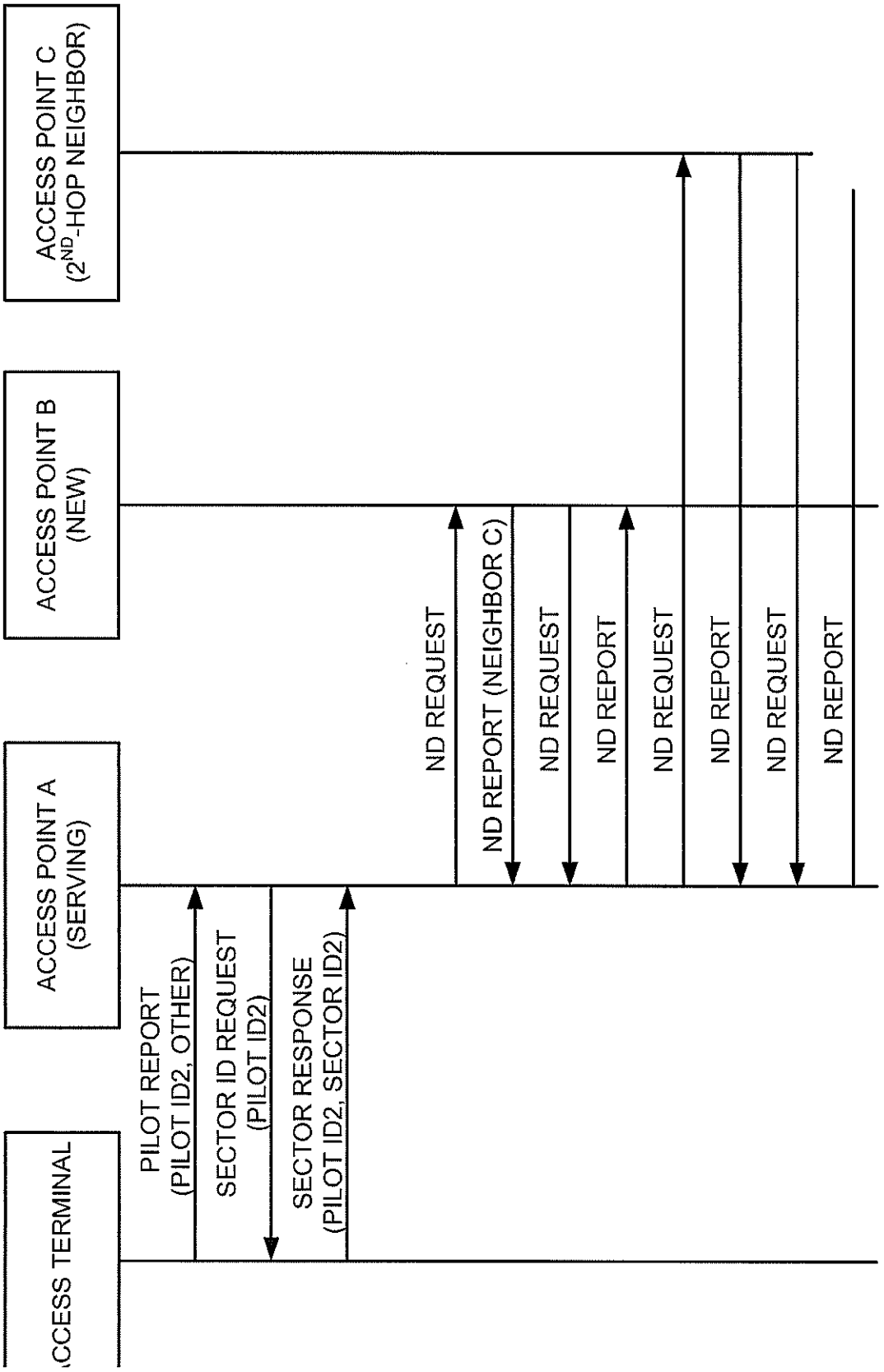

ACCESS TERMINAL
ACCESS POINT A (SERVING)
ACCESS POINT B (NEW)
ACCESS POINT C (2ND-HOP NEIGHBOR)
PILOT REPORT (PILOT ID2, OTHER)
SECTOR ID REQUEST (PILOT ID2)
SECTOR RESPONSE (PILOT ID2, SECTOR ID2)
ND REQUEST
ND REPORT (NEIGHBOR C)
ND REQUEST
ND REPORT
ND REQUEST
ND REPORT
ND REQUEST
ND REPORT

FIG. 6

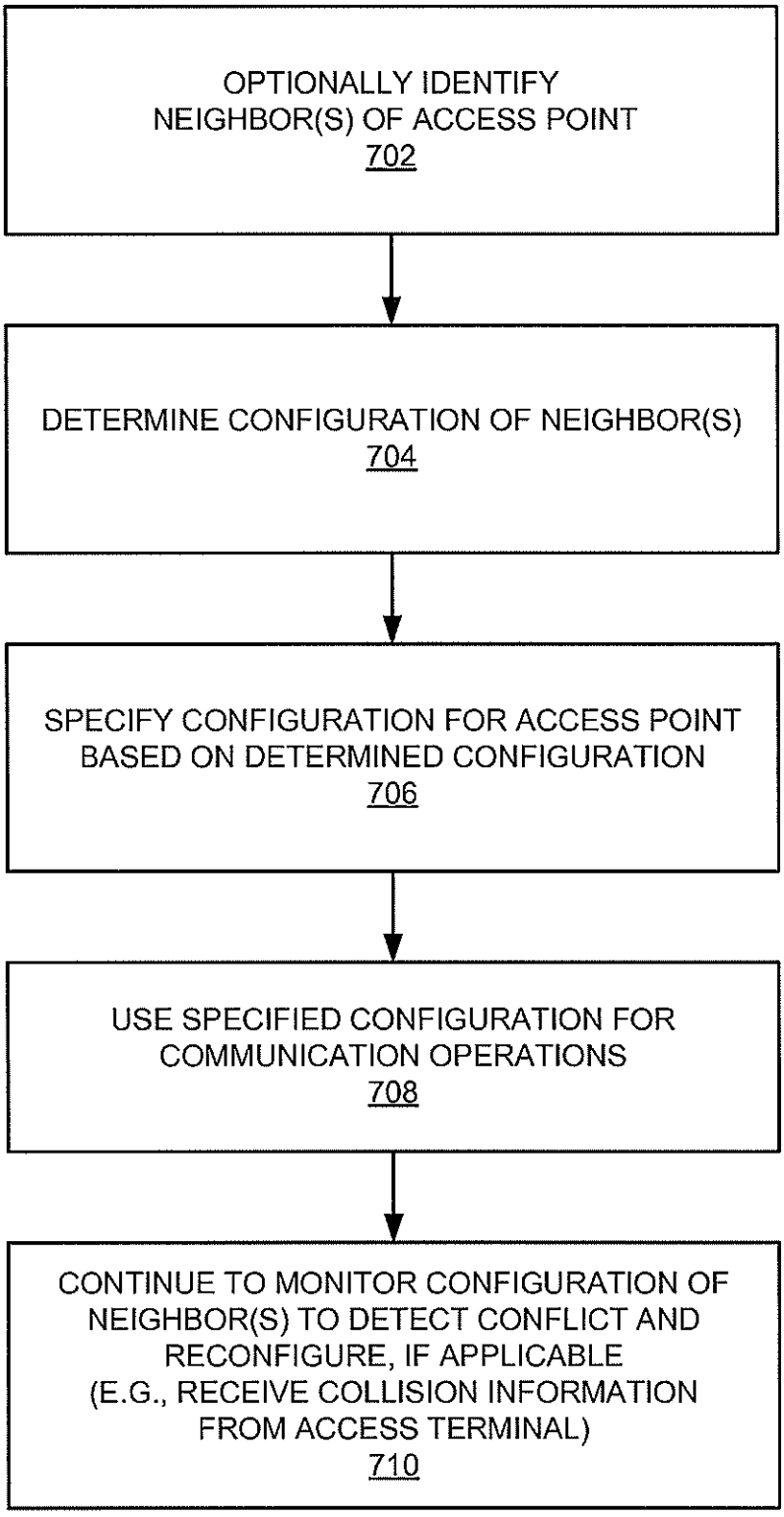

OPTIONALLY IDENTIFY NEIGHBOR(S) OF ACCESS POINT
702
DETERMINE CONFIGURATION OF NEIGHBOR(S)
704
SPECIFY CONFIGURATION FOR ACCESS POINT BASED ON DETERMINED CONFIGURATION
706
USE SPECIFIED CONFIGURATION FOR COMMUNICATION OPERATIONS
708
CONTINUE TO MONITOR CONFIGURATION OF NEIGHBOR(S) TO DETECT CONFLICT AND RECONFIGURE, IF APPLICABLE (E.G., RECEIVE COLLISION INFORMATION FROM ACCESS TERMINAL)
710

FIG. 7

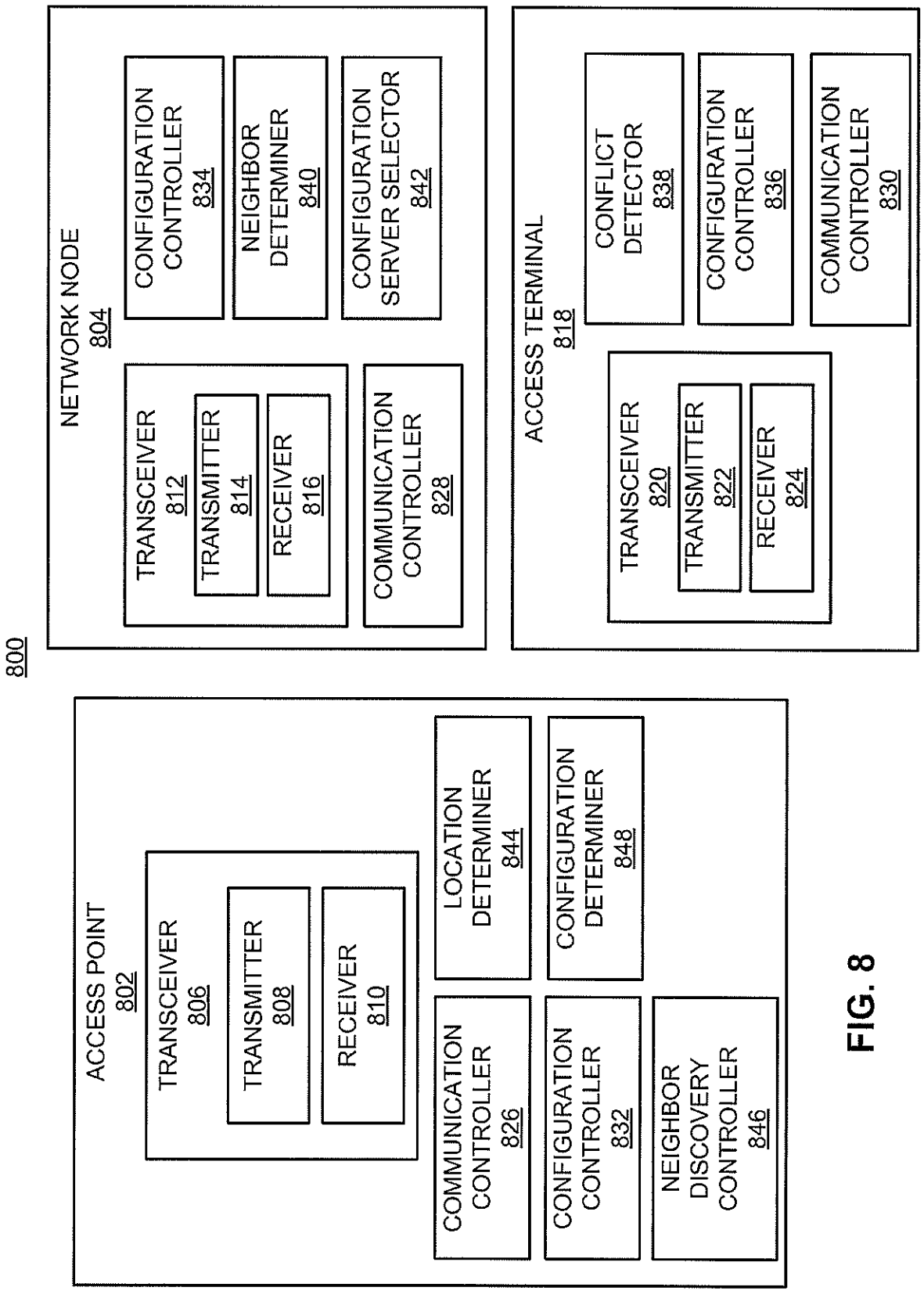

800
NETWORK NODE
804
TRANSCEIVER
812
TRANSMITTER
814
RECEIVER
816
COMMUNICATION CONTROLLER
828
CONFIGURATION CONTROLLER
834
NEIGHBOR DETERMINER
840
CONFIGURATION SERVER SELECTOR
842
ACCESS TERMINAL
818
TRANSCEIVER
820
TRANSMITTER
822
RECEIVER
824
CONFLICT DETECTOR
838
CONFIGURATION CONTROLLER
836
COMMUNICATION CONTROLLER
830
ACCESS POINT
802
TRANSCEIVER
806
TRANSMITTER
808
RECEIVER
810
COMMUNICATION CONTROLLER
826
CONFIGURATION CONTROLLER
832
NEIGHBOR DISCOVERY CONTROLLER
846
LOCATION DETERMINER
844
CONFIGURATION DETERMINER
848

FIG. 8

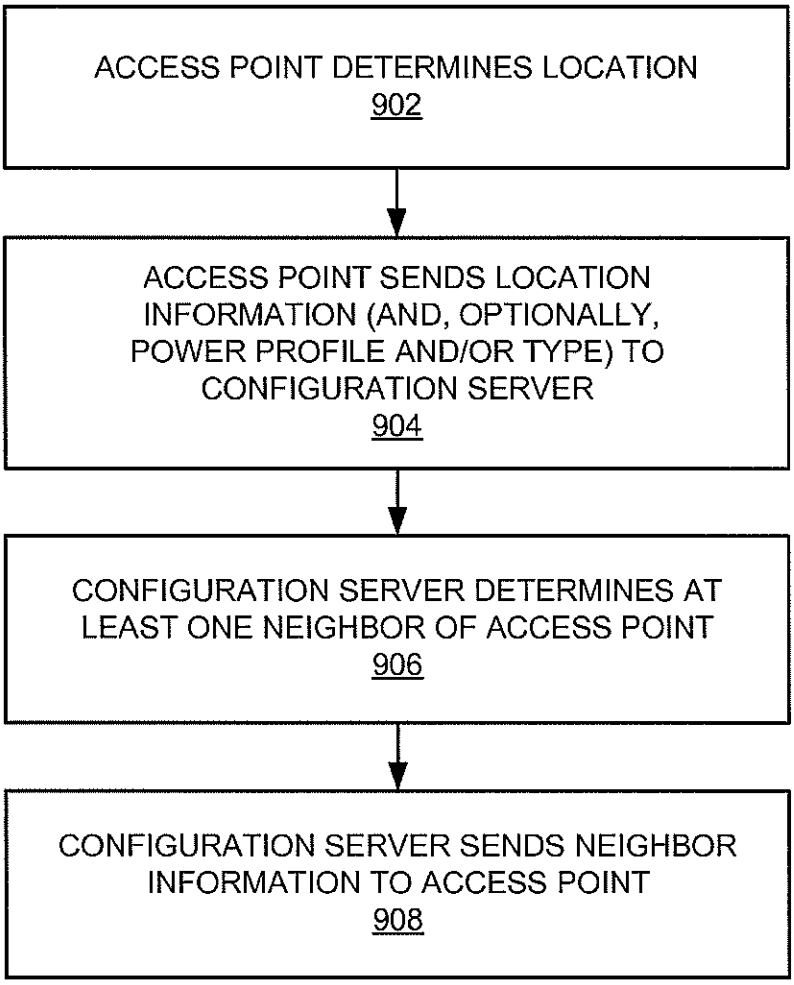

ACCESS POINT DETERMINES LOCATION
902
ACCESS POINT SENDS LOCATION INFORMATION (AND, OPTIONALLY, POWER PROFILE AND/OR TYPE) TO CONFIGURATION SERVER
904
CONFIGURATION SERVER DETERMINES AT LEAST ONE NEIGHBOR OF ACCESS POINT
906
CONFIGURATION SERVER SENDS NEIGHBOR INFORMATION TO ACCESS POINT
908

FIG. 9

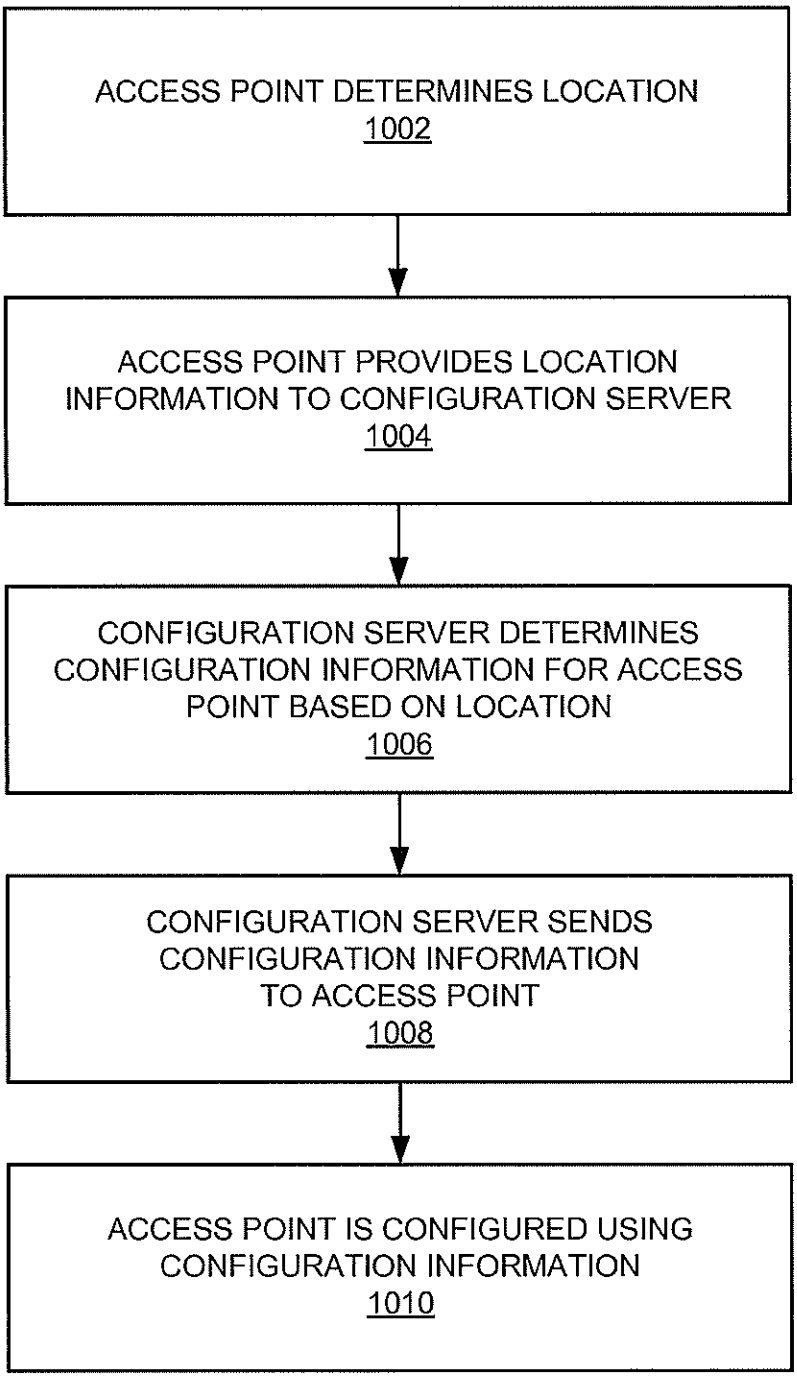

ACCESS POINT DETERMINES LOCATION
1002
ACCESS POINT PROVIDES LOCATION INFORMATION TO CONFIGURATION SERVER
1004
CONFIGURATION SERVER DETERMINES CONFIGURATION INFORMATION FOR ACCESS POINT BASED ON LOCATION
1006
CONFIGURATION SERVER SENDS CONFIGURATION INFORMATION TO ACCESS POINT
1008
ACCESS POINT IS CONFIGURED USING CONFIGURATION INFORMATION
1010

FIG. 10

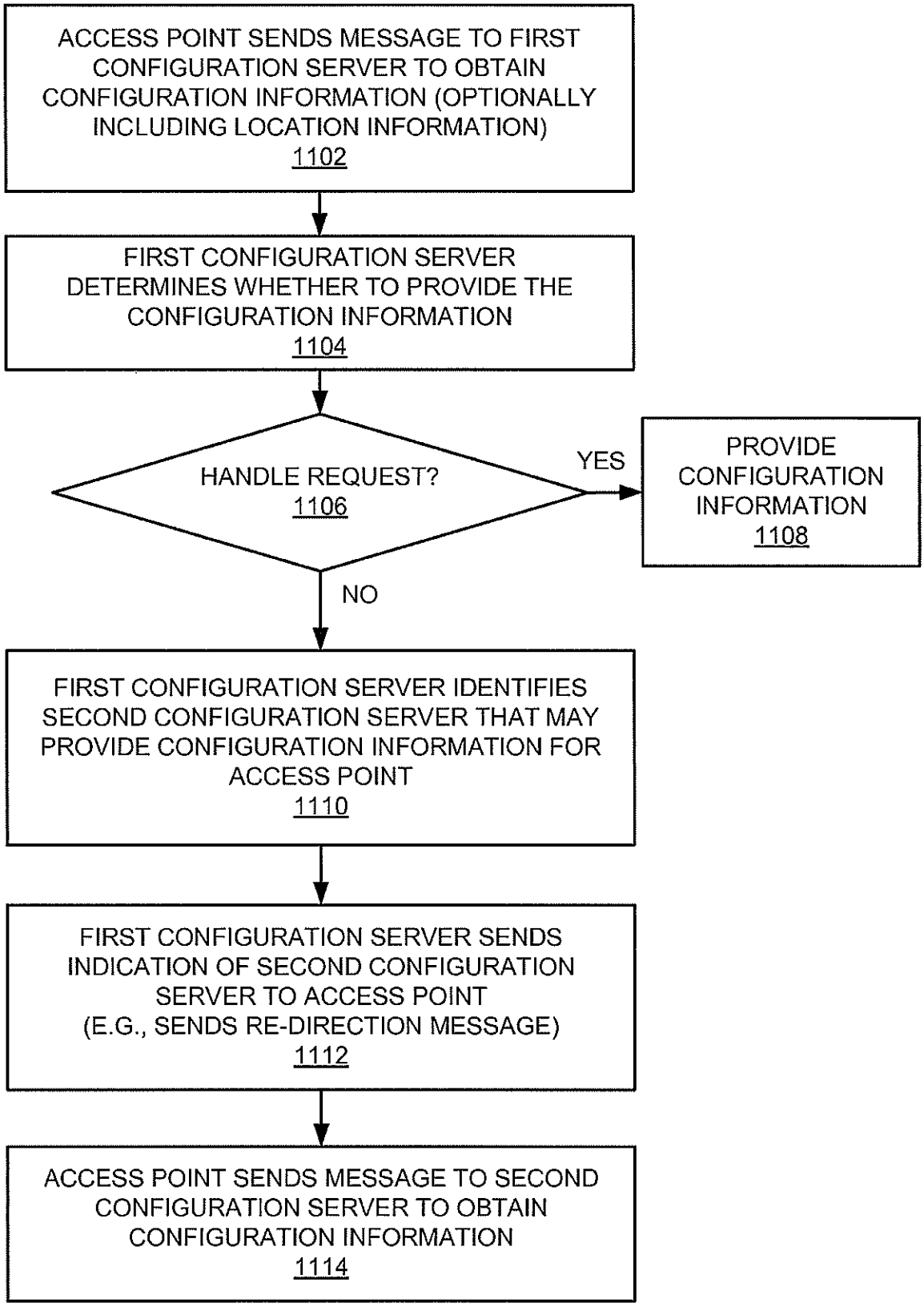

ACCESS POINT SENDS MESSAGE TO FIRST CONFIGURATION SERVER TO OBTAIN CONFIGURATION INFORMATION (OPTIONALLY INCLUDING LOCATION INFORMATION)
1102
FIRST CONFIGURATION SERVER DETERMINES WHETHER TO PROVIDE THE CONFIGURATION INFORMATION
1104
HANDLE REQUEST?
1106
YES
PROVIDE CONFIGURATION INFORMATION
1108
NO
FIRST CONFIGURATION SERVER IDENTIFIES SECOND CONFIGURATION SERVER THAT MAY PROVIDE CONFIGURATION INFORMATION FOR ACCESS POINT
1110
FIRST CONFIGURATION SERVER SENDS INDICATION OF SECOND CONFIGURATION SERVER TO ACCESS POINT
(E.G., SENDS RE-DIRECTION MESSAGE)
1112
ACCESS POINT SENDS MESSAGE TO SECOND CONFIGURATION SERVER TO OBTAIN CONFIGURATION INFORMATION
1114

FIG. 11

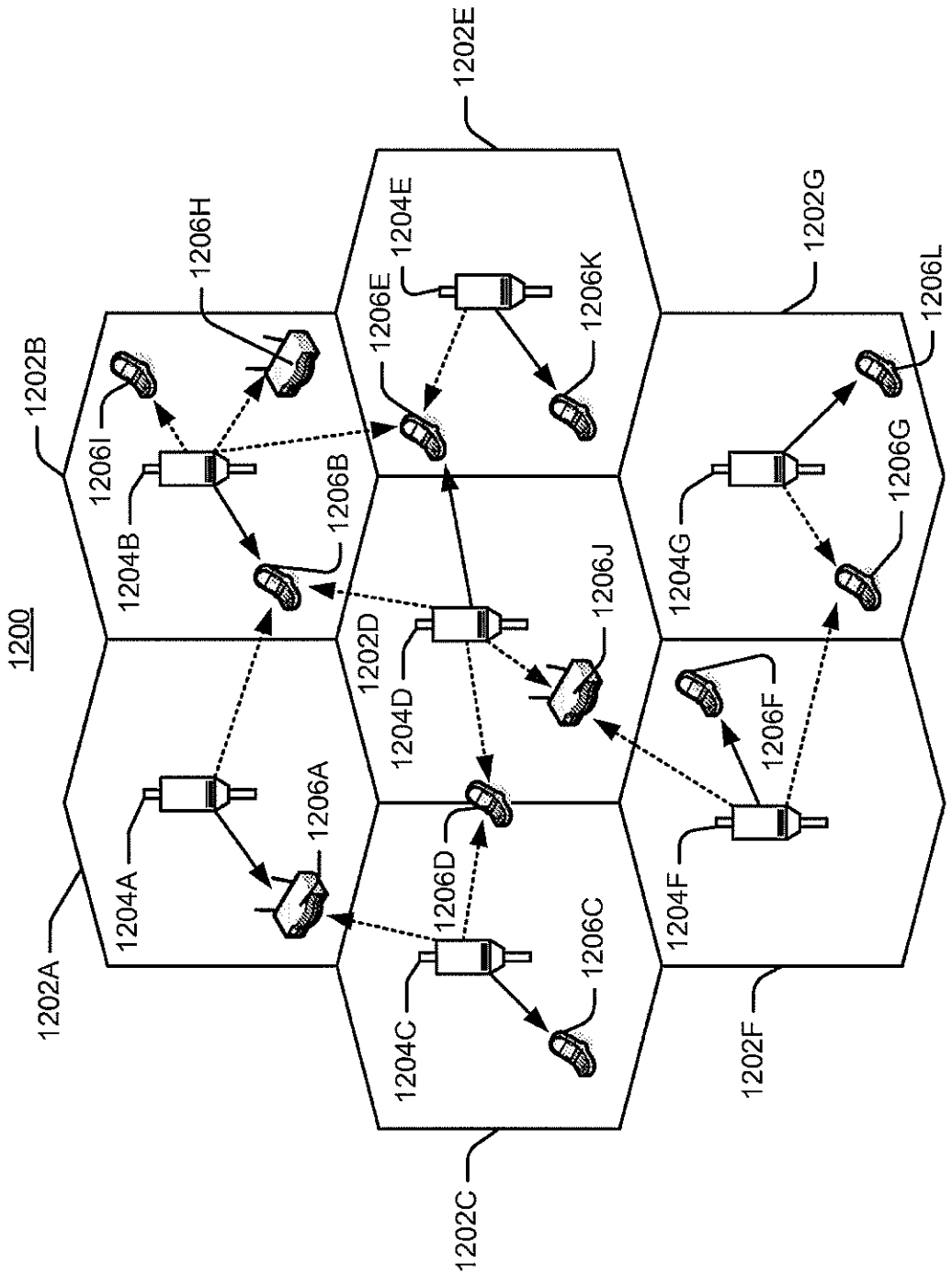

1200
1202A
1202B
1202C
1202D
1202E
1202F
1202G
1204A
1204B
1204C
1204D
1204E
1204F
1204G
1206A
1206B
1206C
1206D
1206E
1206F
1206G
1206H
1206I
1206J
1206K
1206L

FIG. 12

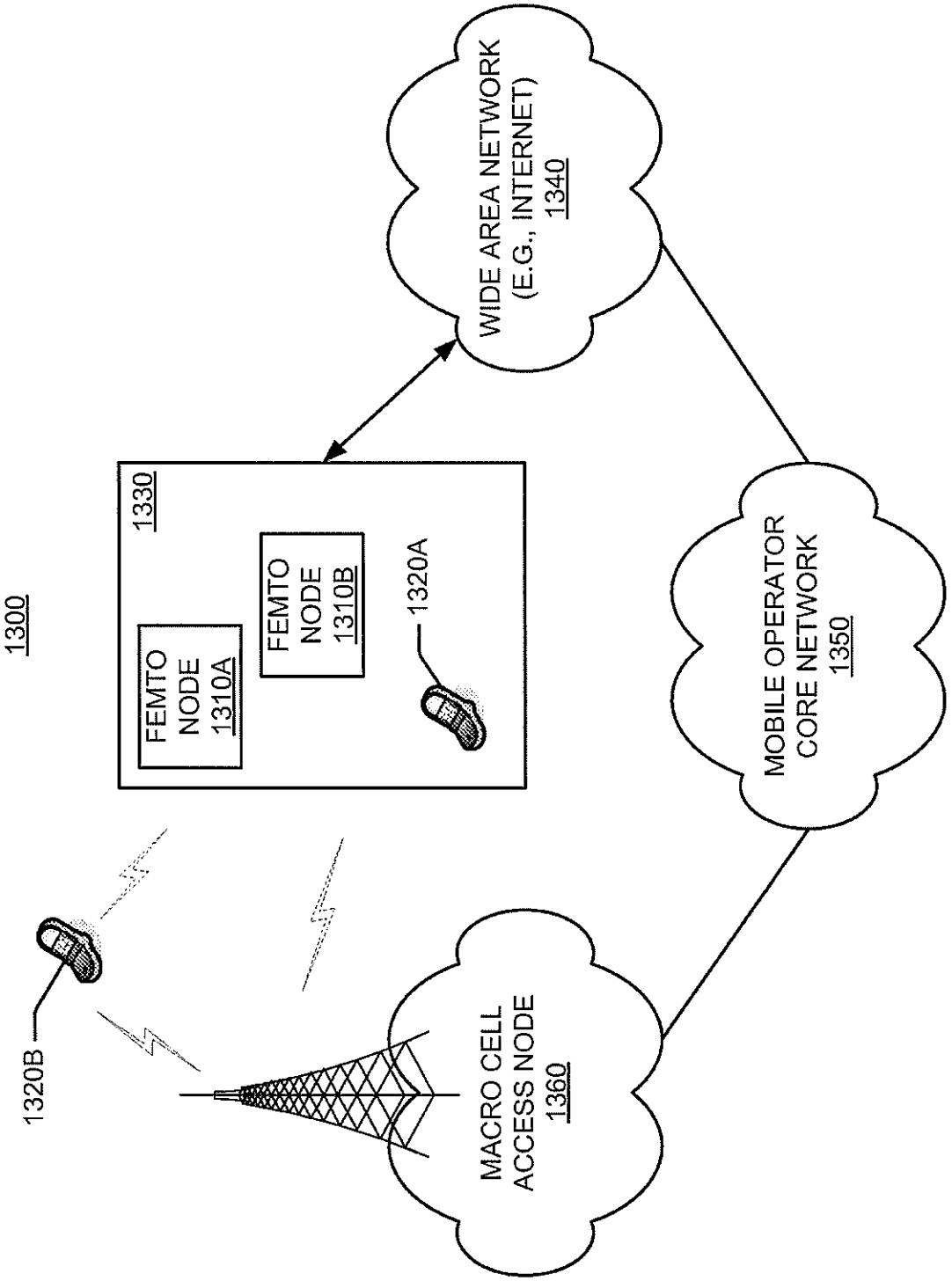

1300
WIDE AREA NETWORK
(E.G., INTERNET)
1340
1330
FEMTO
NODE
1310A
FEMTO
NODE
1310B
1320A
MOBILE OPERATOR
CORE NETWORK
1350
1320B
MACRO CELL
ACCESS NODE
1360

FIG. 13

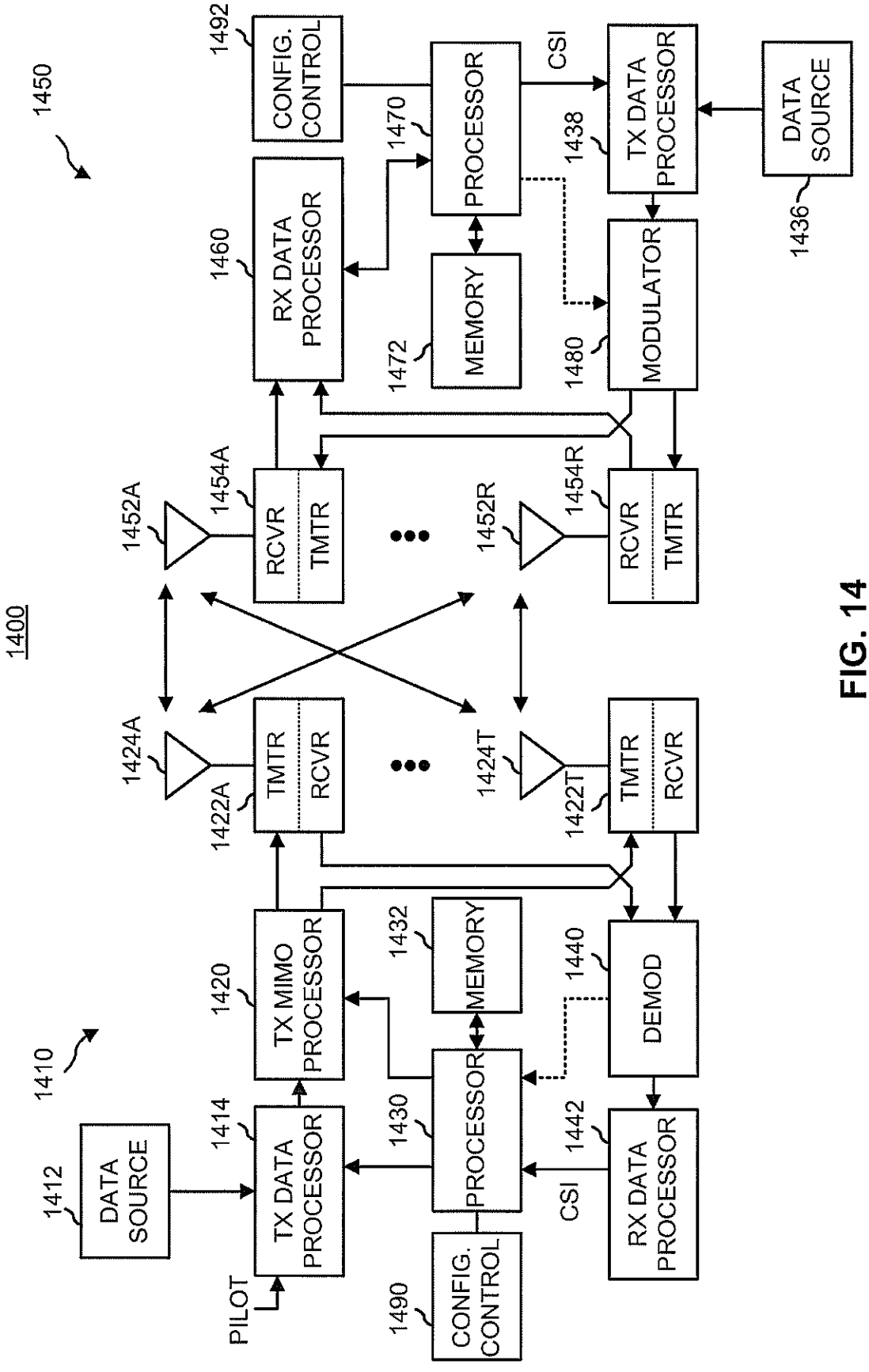

1400
1410
1412
DATA SOURCE
TX DATA PROCESSOR
1414
PILOT
TX MIMO PROCESSOR
1420
1422A
TMTR
RCVR
1424A
1424T
1422T
1430
PROCESSOR
1432
MEMORY
1440
DEMOD
CSI
1442
RX DATA PROCESSOR
1490
CONFIG. CONTROL
1450
1452A
1454A
RCVR
TMTR
1452R
1454R
1460
RX DATA PROCESSOR
1470
PROCESSOR
1472
MEMORY
1480
MODULATOR
1438
TX DATA PROCESSOR
CSI
1436
DATA SOURCE
1492
CONFIG. CONTROL

FIG. 14

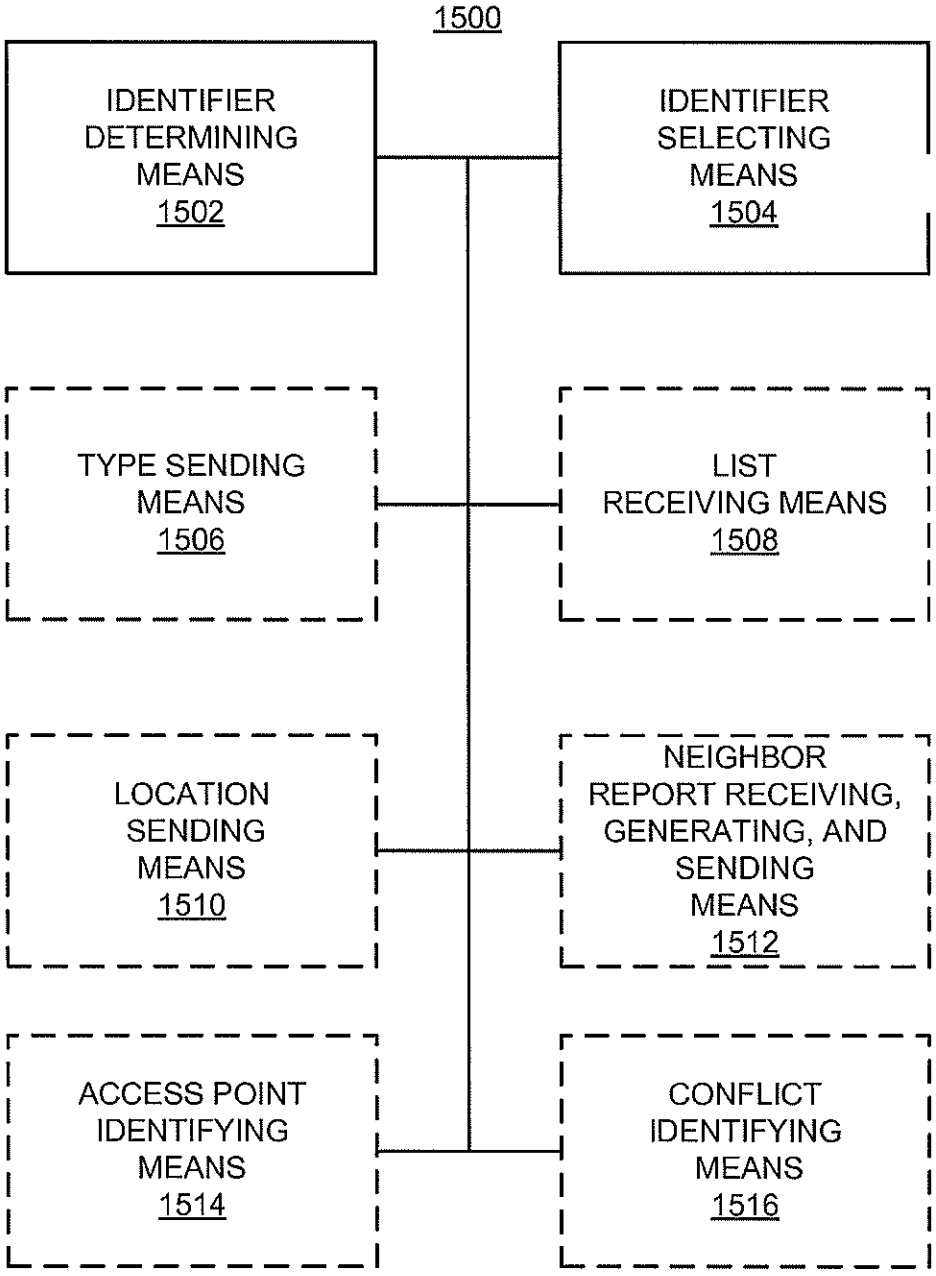

1500
IDENTIFIER DETERMINING MEANS 1502
IDENTIFIER SELECTING MEANS 1504
TYPE SENDING MEANS 1506
LIST RECEIVING MEANS 1508
LOCATION SENDING MEANS 1510
NEIGHBOR REPORT RECEIVING, GENERATING, AND SENDING MEANS 1512
ACCESS POINT IDENTIFYING MEANS 1514
CONFLICT IDENTIFYING MEANS 1516

FIG. 15

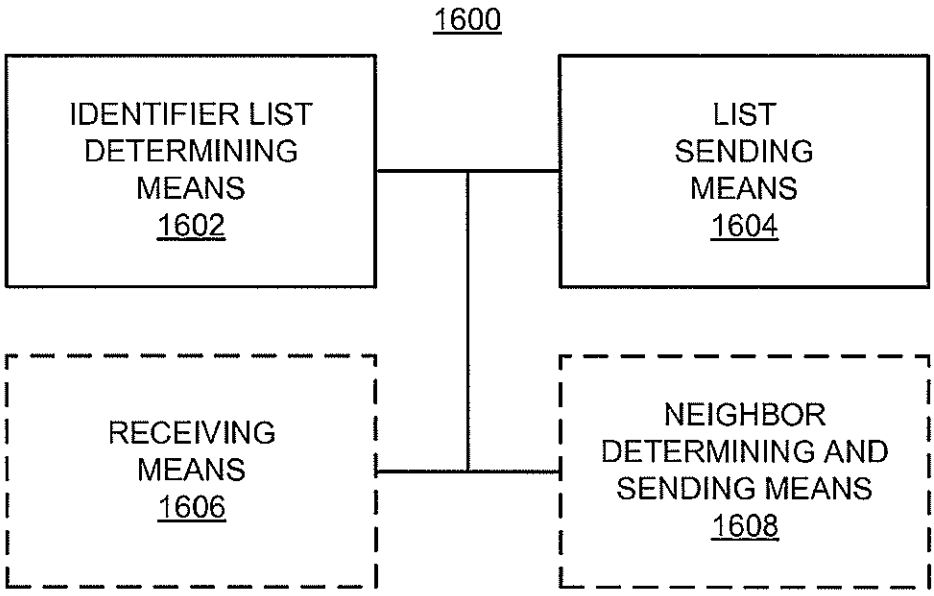

1600
IDENTIFIER LIST DETERMINING MEANS 1602
LIST SENDING MEANS 1604
RECEIVING MEANS 1606
NEIGHBOR DETERMINING AND SENDING MEANS 1608

FIG. 16

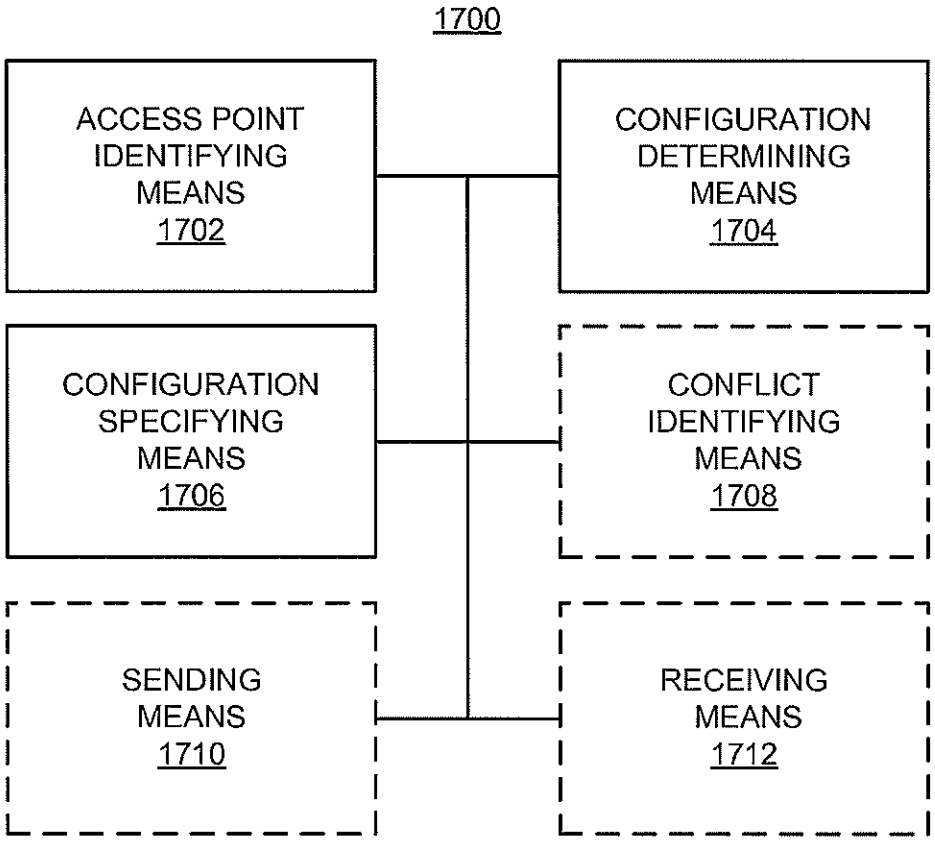

1700
ACCESS POINT IDENTIFYING MEANS 1702
CONFIGURATION DETERMINING MEANS 1704
CONFIGURATION SPECIFYING MEANS 1706
CONFLICT IDENTIFYING MEANS 1708
SENDING MEANS 1710
RECEIVING MEANS 1712

FIG. 17

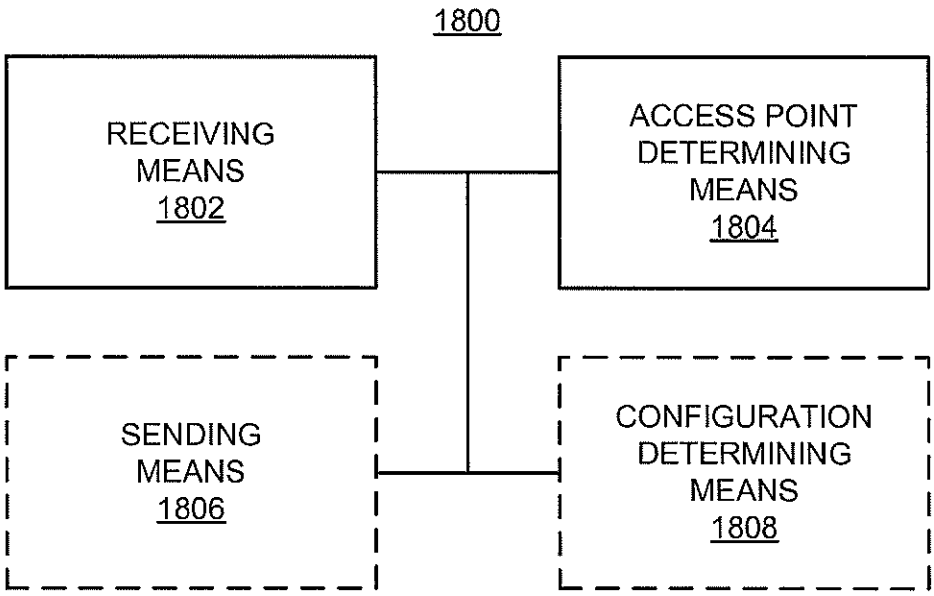

1800
RECEIVING MEANS 1802
ACCESS POINT DETERMINING MEANS 1804
SENDING MEANS 1806
CONFIGURATION DETERMINING MEANS 1808

FIG. 18

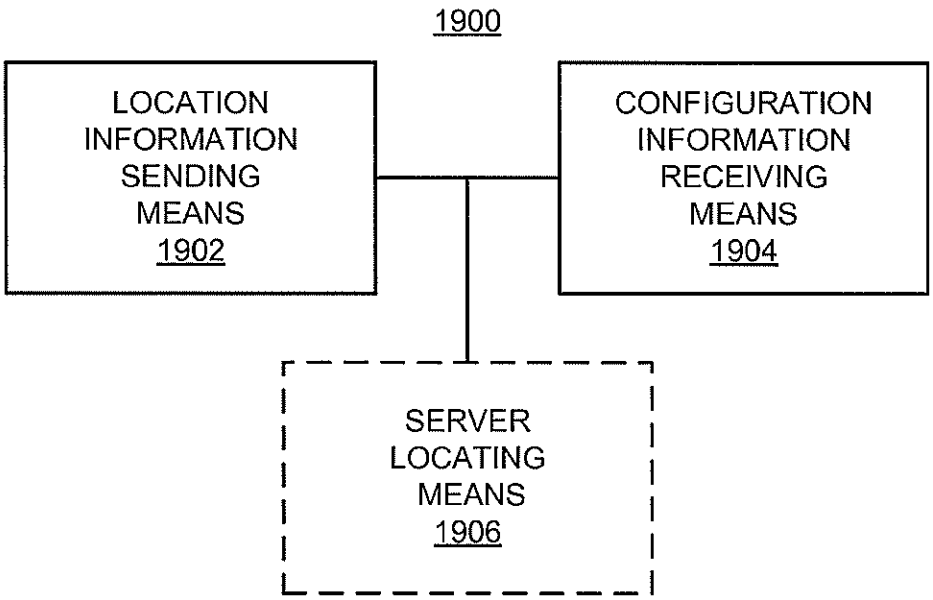

1900
LOCATION INFORMATION SENDING MEANS 1902
CONFIGURATION INFORMATION RECEIVING MEANS 1904
SERVER LOCATING MEANS 1906

FIG. 19

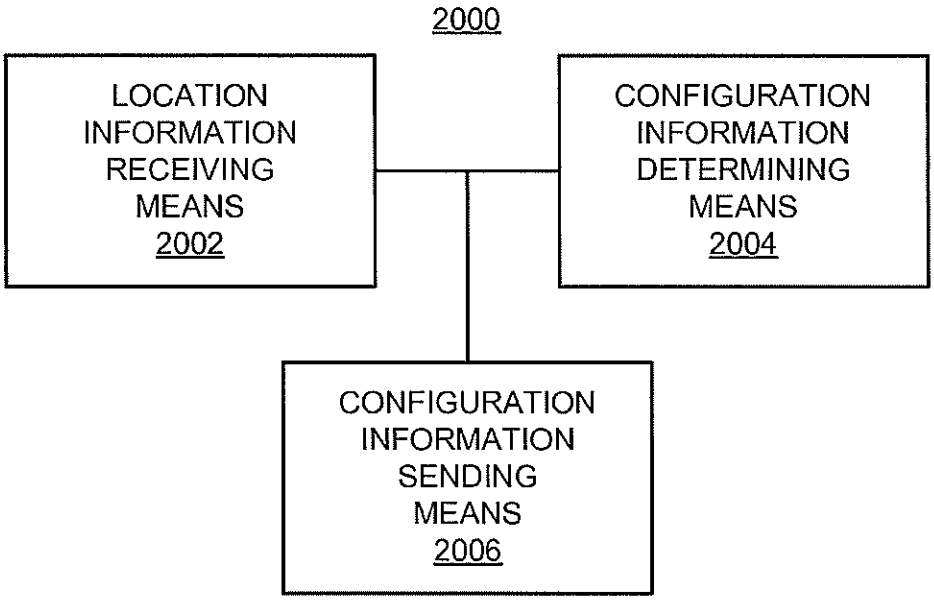

2000
LOCATION INFORMATION RECEIVING MEANS 2002
CONFIGURATION INFORMATION DETERMINING MEANS 2004
CONFIGURATION INFORMATION SENDING MEANS 2006

FIG. 20

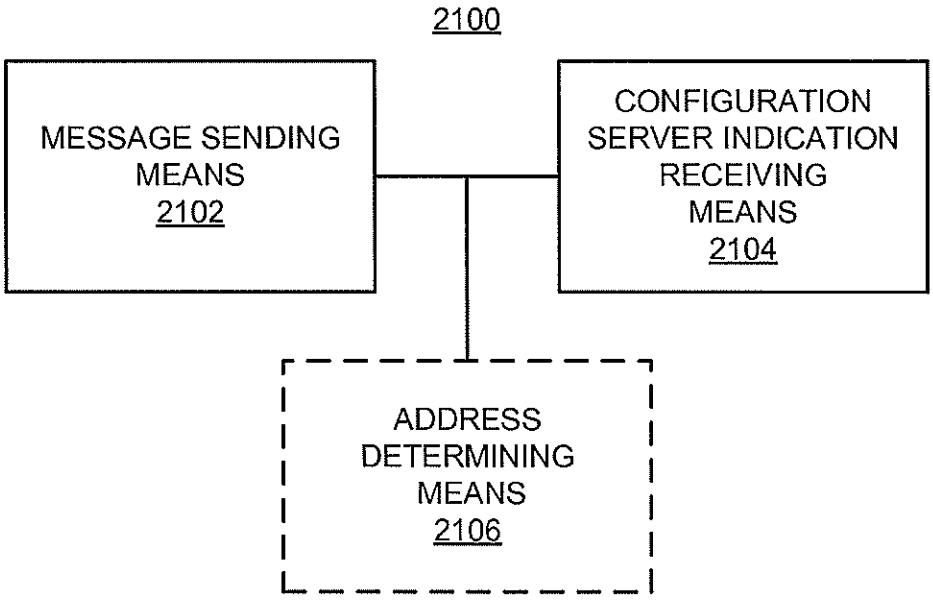

2100
MESSAGE SENDING MEANS 2102
CONFIGURATION SERVER INDICATION RECEIVING MEANS 2104
ADDRESS DETERMINING MEANS 2106

FIG. 21

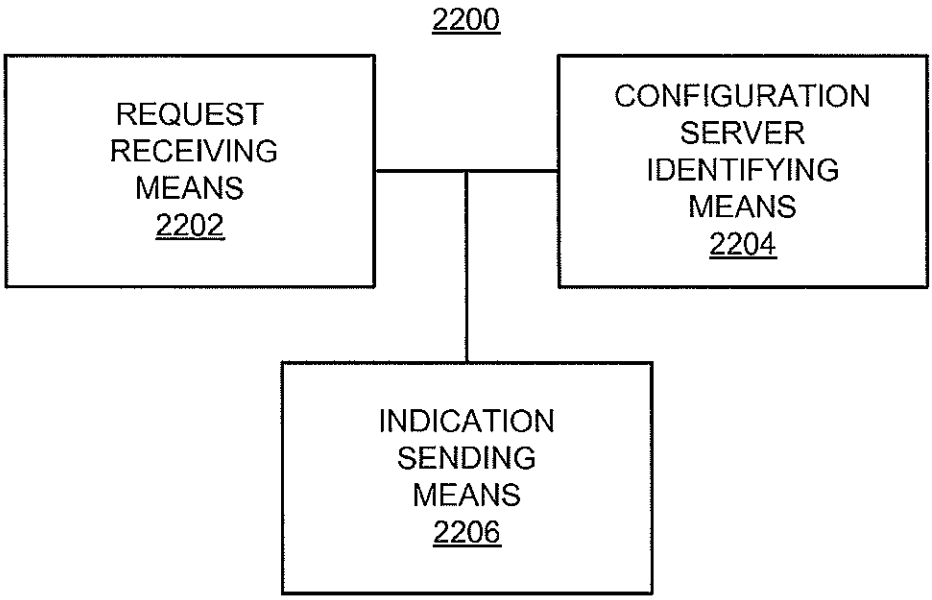

2200
REQUEST RECEIVING MEANS 2202
CONFIGURATION SERVER IDENTIFYING MEANS 2204
INDICATION SENDING MEANS 2206

FIG. 22