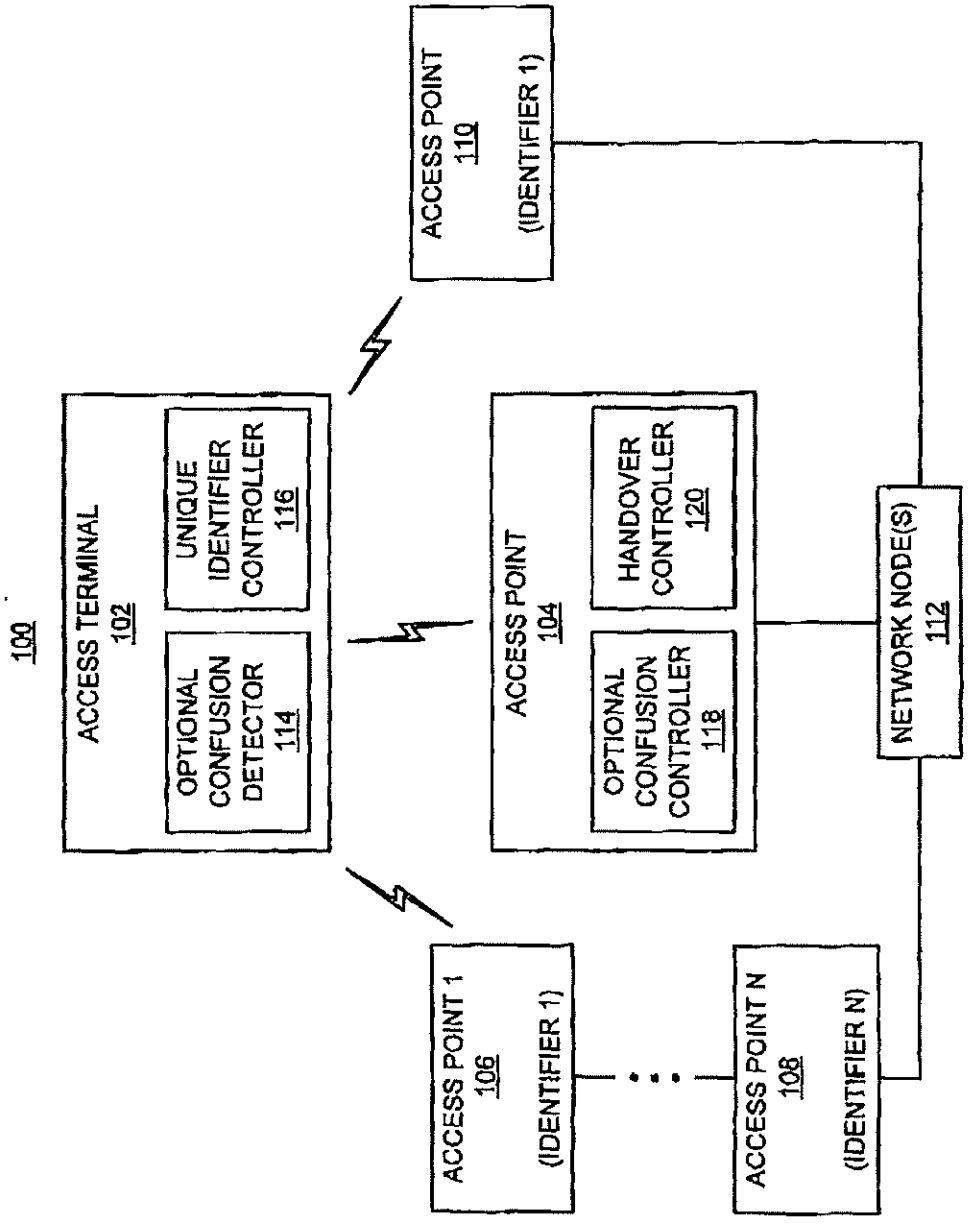

100
ACCESS TERMINAL
102
OPTIONAL CONFUSION DETECTOR
114
UNIQUE IDENTIFIER CONTROLLER
116
ACCESS POINT
104
OPTIONAL CONFUSION CONTROLLER
118
HANDOVER CONTROLLER
120
ACCESS POINT
110
(IDENTIFIER 1)
NETWORK NODE(S)
112
ACCESS POINT 1
106
(IDENTIFIER 1)
ACCESS POINT N
108
(IDENTIFIER N)

FIG. 1

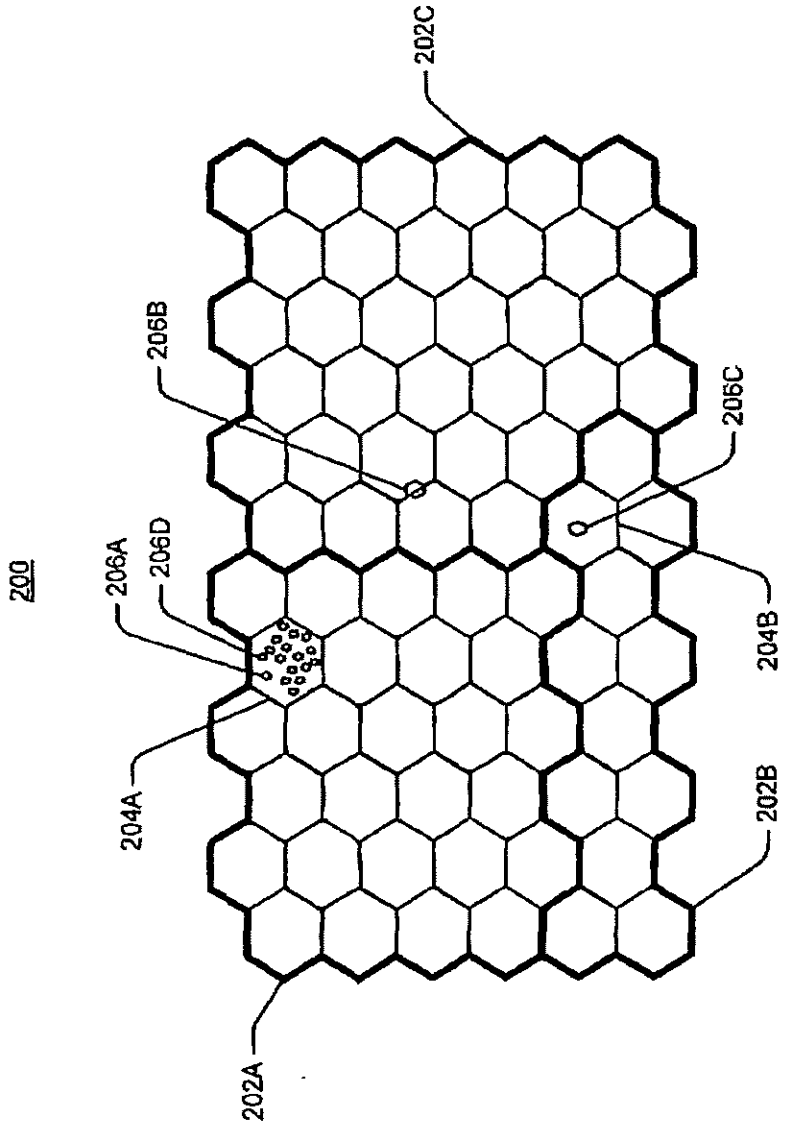



FIG. 2

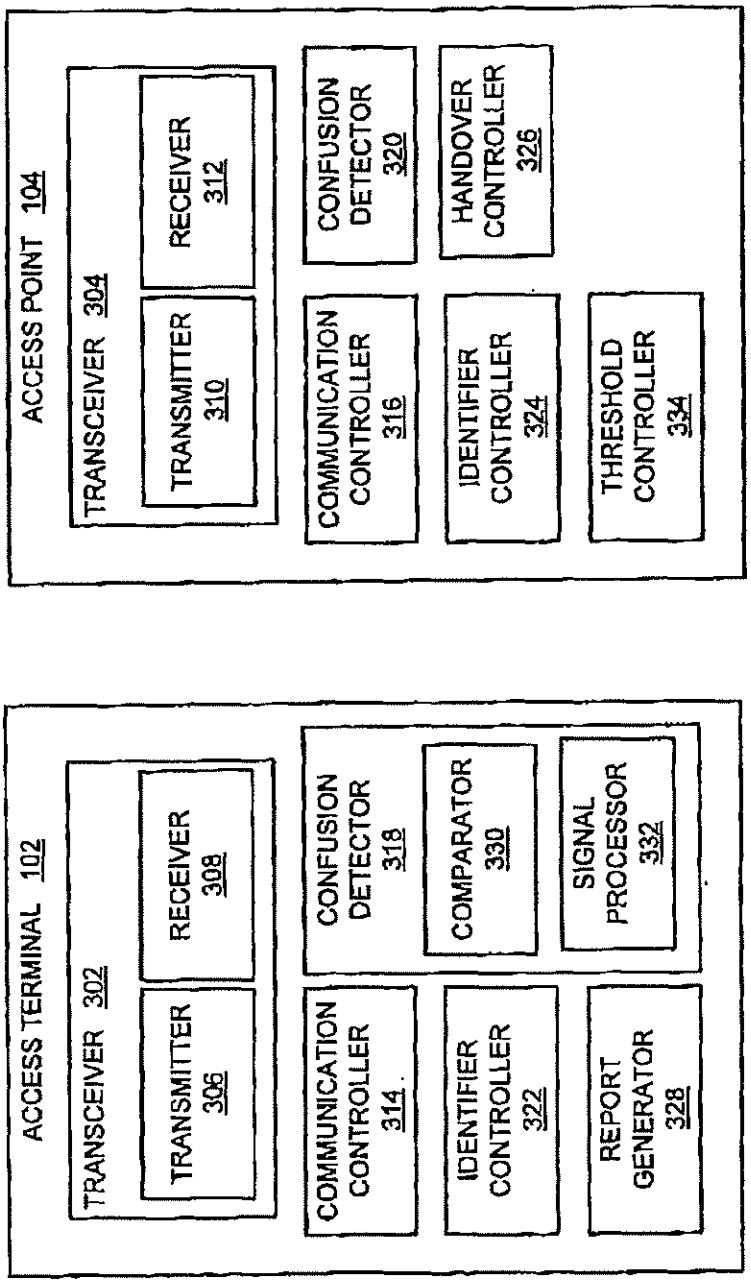

ACCESS POINT 104
TRANSCEIVER 304
TRANSMITTER 310
RECEIVER 312
COMMUNICATION CONTROLLER 316
CONFUSION DETECTOR 320
IDENTIFIER CONTROLLER 324
HANDOVER CONTROLLER 326
THRESHOLD CONTROLLER 334
ACCESS TERMINAL 102
TRANSCEIVER 302
TRANSMITTER 306
RECEIVER 308
COMMUNICATION CONTROLLER 314
CONFUSION DETECTOR 318
IDENTIFIER CONTROLLER 322
COMPARATOR 330
REPORT GENERATOR 328
SIGNAL PROCESSOR 332

FIG. 3

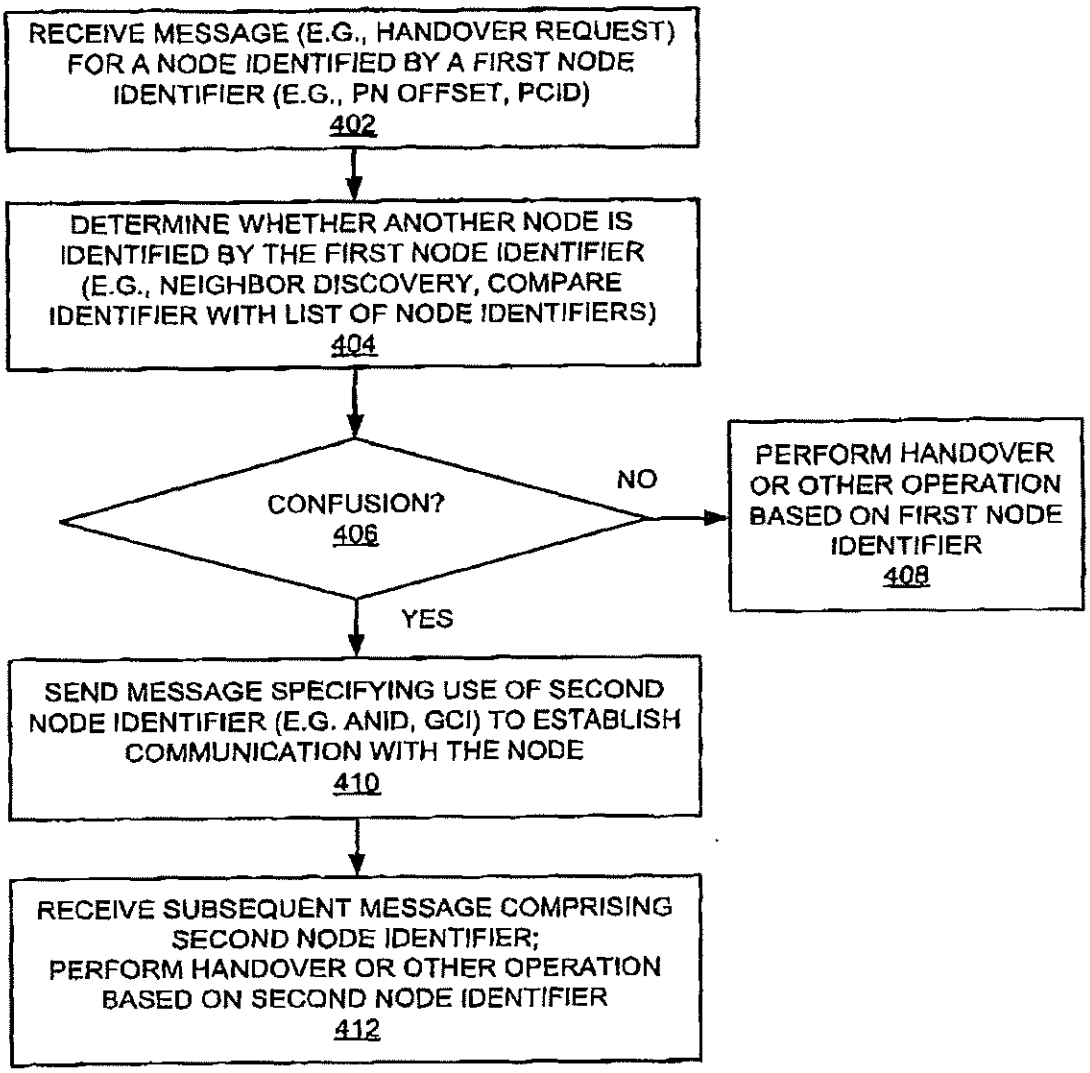

RECEIVE MESSAGE (E.G., HANDOVER REQUEST) FOR A NODE IDENTIFIED BY A FIRST NODE IDENTIFIER (E.G., PN OFFSET, PCID)
402
DETERMINE WHETHER ANOTHER NODE IS IDENTIFIED BY THE FIRST NODE IDENTIFIER (E.G., NEIGHBOR DISCOVERY, COMPARE IDENTIFIER WITH LIST OF NODE IDENTIFIERS)
404
CONFUSION?
406
NO
PERFORM HANDOVER OR OTHER OPERATION BASED ON FIRST NODE IDENTIFIER
408
YES
SEND MESSAGE SPECIFYING USE OF SECOND NODE IDENTIFIER (E.G. ANID, GCI) TO ESTABLISH COMMUNICATION WITH THE NODE
410
RECEIVE SUBSEQUENT MESSAGE COMPRISING SECOND NODE IDENTIFIER; PERFORM HANDOVER OR OTHER OPERATION BASED ON SECOND NODE IDENTIFIER
412

FIG. 4

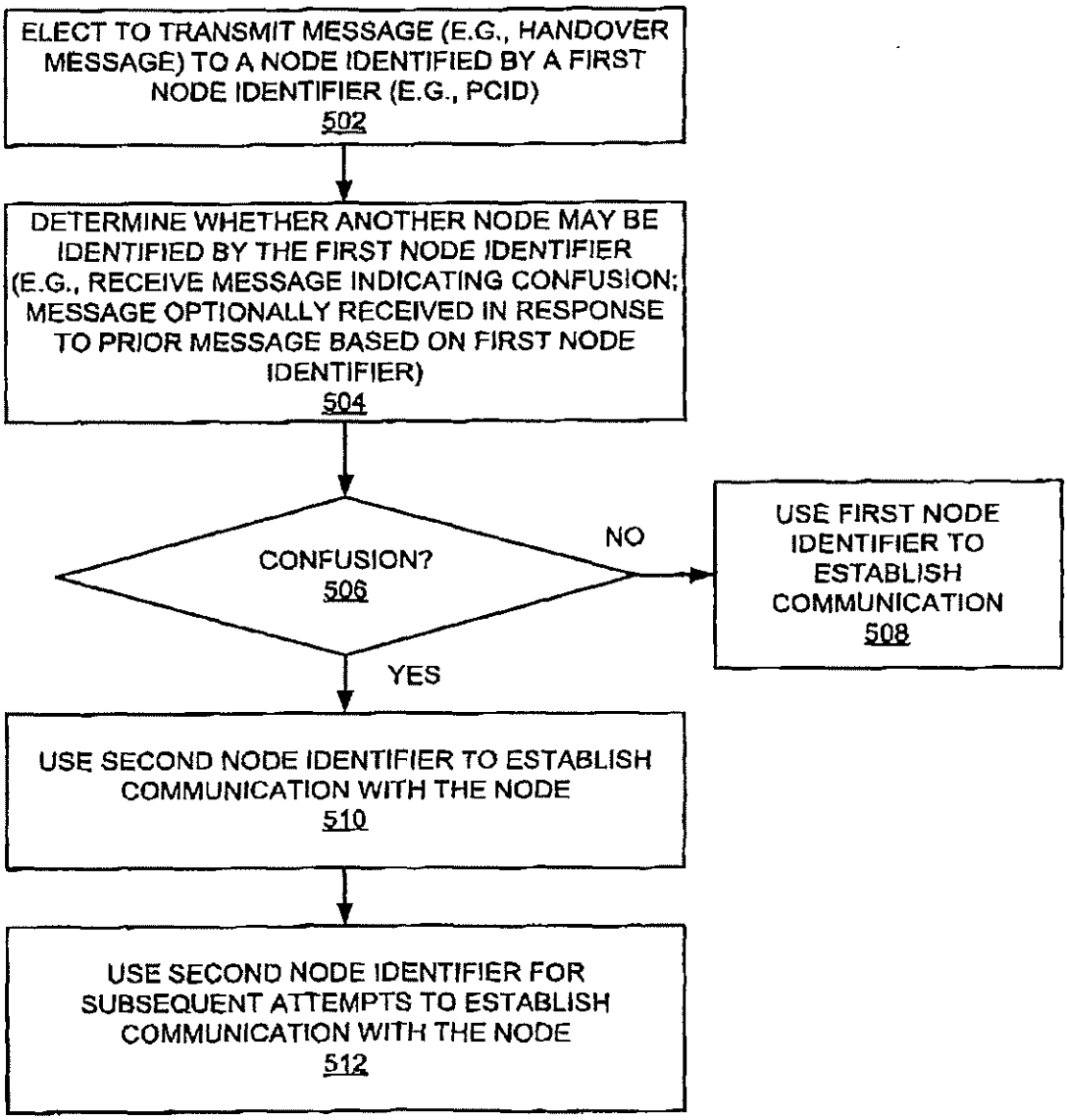

ELECT TO TRANSMIT MESSAGE (E.G., HANDOVER MESSAGE) TO A NODE IDENTIFIED BY A FIRST NODE IDENTIFIER (E.G., PCID)
502
DETERMINE WHETHER ANOTHER NODE MAY BE IDENTIFIED BY THE FIRST NODE IDENTIFIER (E.G., RECEIVE MESSAGE INDICATING CONFUSION; MESSAGE OPTIONALLY RECEIVED IN RESPONSE TO PRIOR MESSAGE BASED ON FIRST NODE IDENTIFIER)
504
CONFUSION?
506
NO
USE FIRST NODE IDENTIFIER TO ESTABLISH COMMUNICATION
508
YES
USE SECOND NODE IDENTIFIER TO ESTABLISH COMMUNICATION WITH THE NODE
510
USE SECOND NODE IDENTIFIER FOR SUBSEQUENT ATTEMPTS TO ESTABLISH COMMUNICATION WITH THE NODE
512

FIG. 5

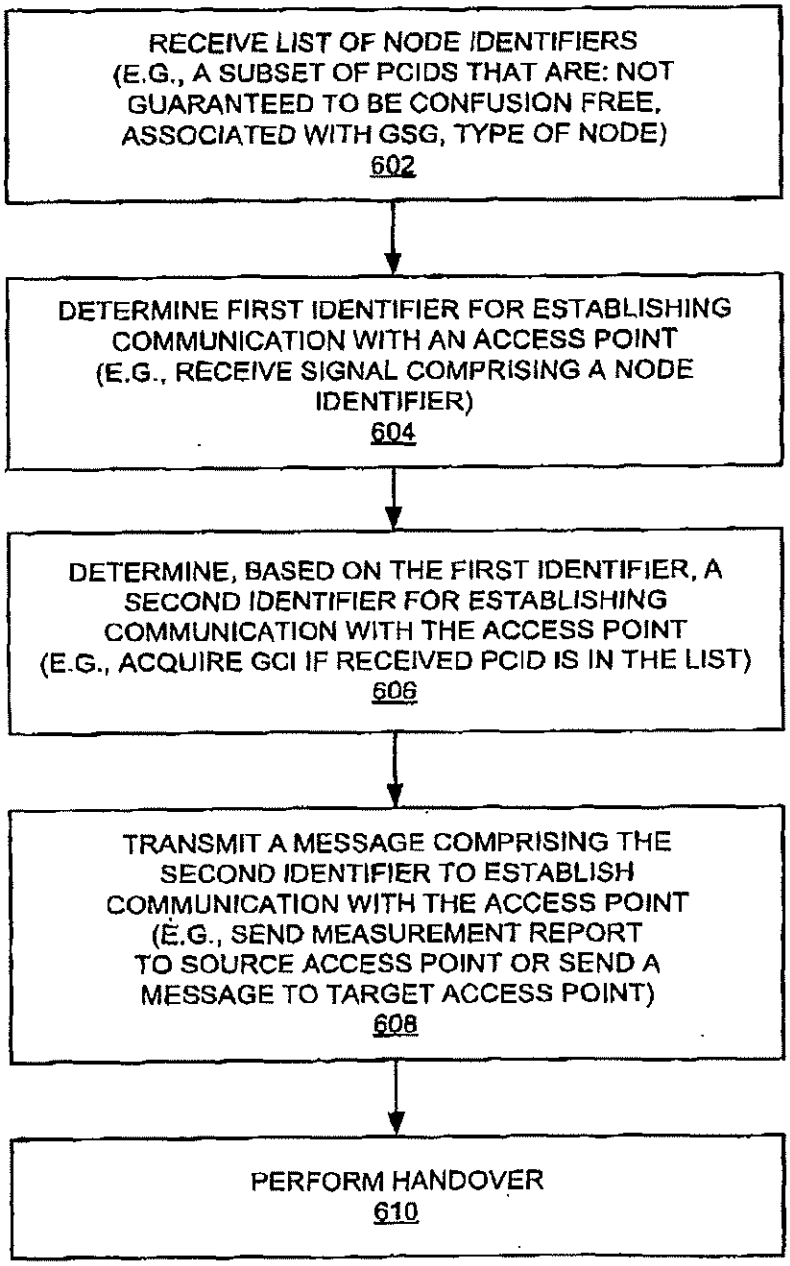

RECEIVE LIST OF NODE IDENTIFIERS (E.G., A SUBSET OF PCIDS THAT ARE: NOT GUARANTEED TO BE CONFUSION FREE, ASSOCIATED WITH GSG, TYPE OF NODE)
602
DETERMINE FIRST IDENTIFIER FOR ESTABLISHING COMMUNICATION WITH AN ACCESS POINT (E.G., RECEIVE SIGNAL COMPRISING A NODE IDENTIFIER)
604
DETERMINE, BASED ON THE FIRST IDENTIFIER, A SECOND IDENTIFIER FOR ESTABLISHING COMMUNICATION WITH THE ACCESS POINT (E.G., ACQUIRE GCI IF RECEIVED PCID IS IN THE LIST)
606
TRANSMIT A MESSAGE COMPRISING THE SECOND IDENTIFIER TO ESTABLISH COMMUNICATION WITH THE ACCESS POINT (E.G., SEND MEASUREMENT REPORT TO SOURCE ACCESS POINT OR SEND A MESSAGE TO TARGET ACCESS POINT)
608
PERFORM HANDOVER
610

FIG. 6

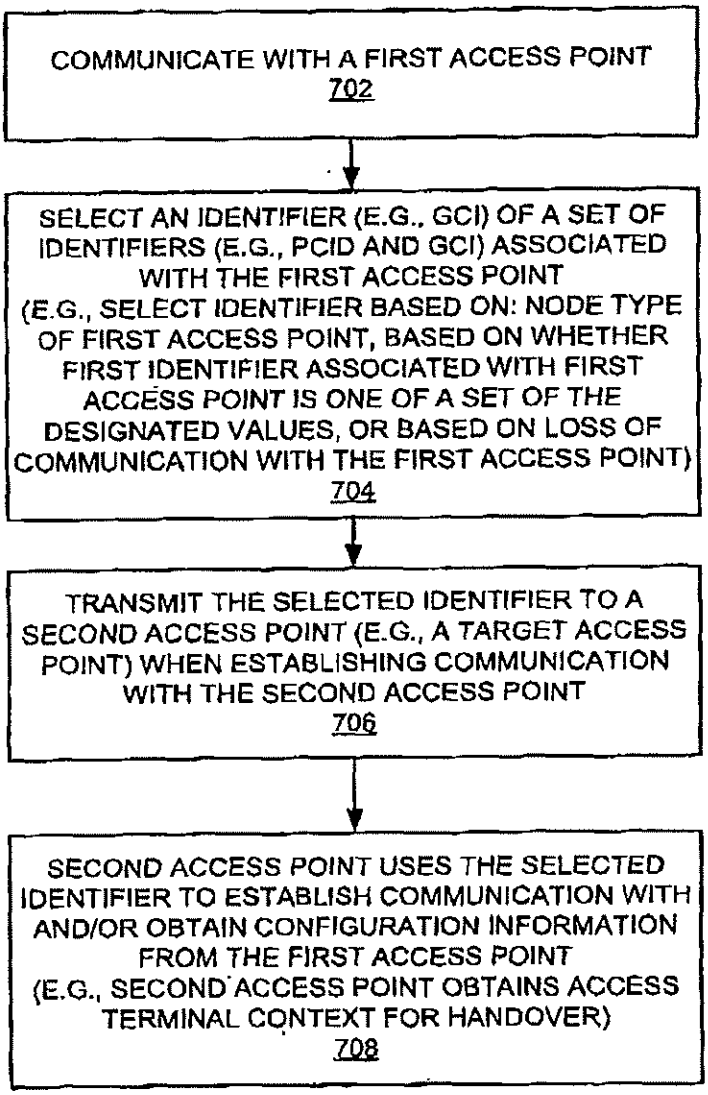

COMMUNICATE WITH A FIRST ACCESS POINT
702
SELECT AN IDENTIFIER (E.G., GCI) OF A SET OF IDENTIFIERS (E.G., PCID AND GCI) ASSOCIATED WITH THE FIRST ACCESS POINT
(E.G., SELECT IDENTIFIER BASED ON: NODE TYPE OF FIRST ACCESS POINT, BASED ON WHETHER FIRST IDENTIFIER ASSOCIATED WITH FIRST ACCESS POINT IS ONE OF A SET OF THE DESIGNATED VALUES, OR BASED ON LOSS OF COMMUNICATION WITH THE FIRST ACCESS POINT)
704
TRANSMIT THE SELECTED IDENTIFIER TO A SECOND ACCESS POINT (E.G., A TARGET ACCESS POINT) WHEN ESTABLISHING COMMUNICATION WITH THE SECOND ACCESS POINT
706
SECOND ACCESS POINT USES THE SELECTED IDENTIFIER TO ESTABLISH COMMUNICATION WITH AND/OR OBTAIN CONFIGURATION INFORMATION FROM THE FIRST ACCESS POINT
(E.G., SECOND ACCESS POINT OBTAINS ACCESS TERMINAL CONTEXT FOR HANDOVER)
708

FIG. 7

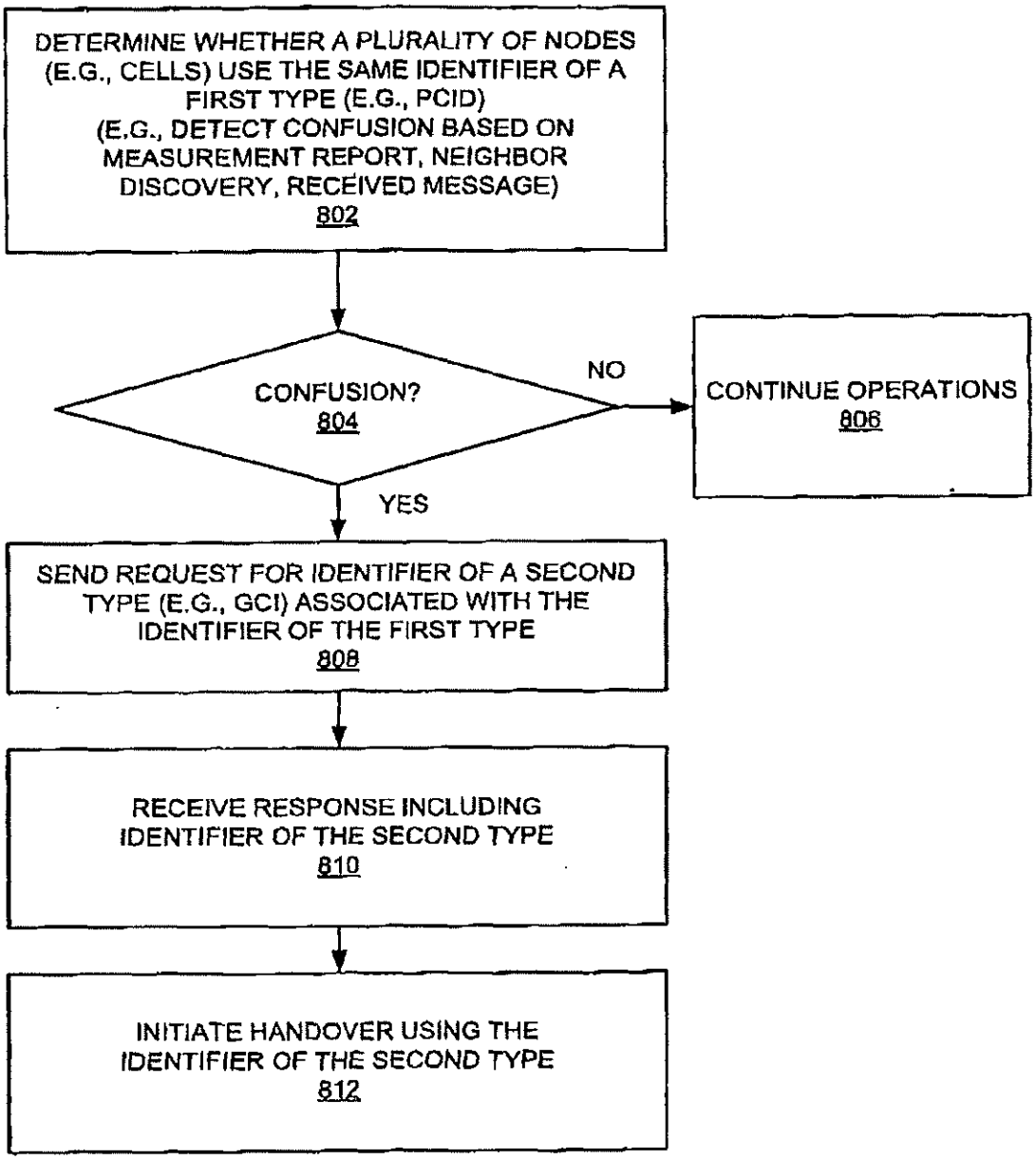

DETERMINE WHETHER A PLURALITY OF NODES (E.G., CELLS) USE THE SAME IDENTIFIER OF A FIRST TYPE (E.G., PCID) (E.G., DETECT CONFUSION BASED ON MEASUREMENT REPORT, NEIGHBOR DISCOVERY, RECEIVED MESSAGE)
802
CONFUSION?
804
NO
CONTINUE OPERATIONS
806
YES
SEND REQUEST FOR IDENTIFIER OF A SECOND TYPE (E.G., GCI) ASSOCIATED WITH THE IDENTIFIER OF THE FIRST TYPE
808
RECEIVE RESPONSE INCLUDING IDENTIFIER OF THE SECOND TYPE
810
INITIATE HANDOVER USING THE IDENTIFIER OF THE SECOND TYPE
812

FIG. 8

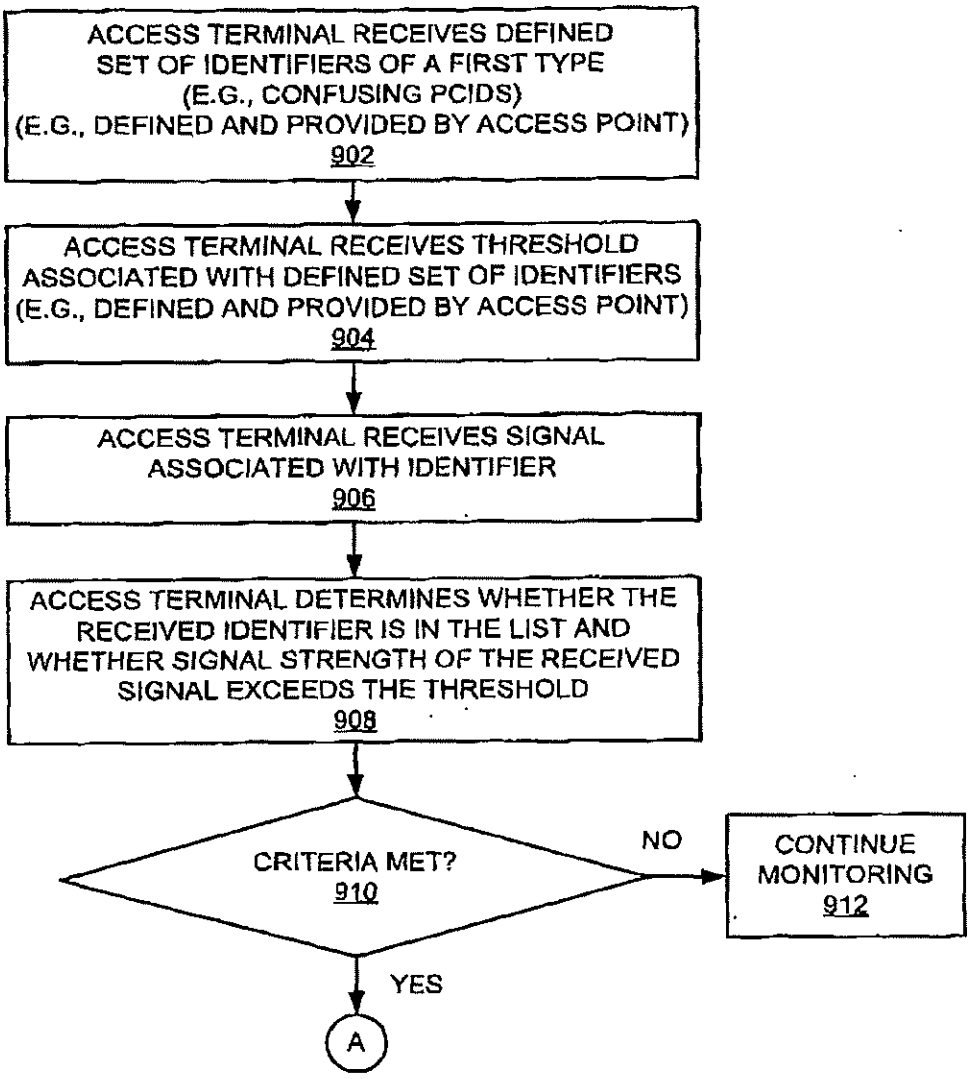

ACCESS TERMINAL RECEIVES DEFINED SET OF IDENTIFIERS OF A FIRST TYPE (E.G., CONFUSING PCIDS) (E.G., DEFINED AND PROVIDED BY ACCESS POINT) 902
ACCESS TERMINAL RECEIVES THRESHOLD ASSOCIATED WITH DEFINED SET OF IDENTIFIERS (E.G., DEFINED AND PROVIDED BY ACCESS POINT) 904
ACCESS TERMINAL RECEIVES SIGNAL ASSOCIATED WITH IDENTIFIER 906
ACCESS TERMINAL DETERMINES WHETHER THE RECEIVED IDENTIFIER IS IN THE LIST AND WHETHER SIGNAL STRENGTH OF THE RECEIVED SIGNAL EXCEEDS THE THRESHOLD 908
CRITERIA MET? 910
NO
CONTINUE MONITORING 912
YES
A

FIG. 9A

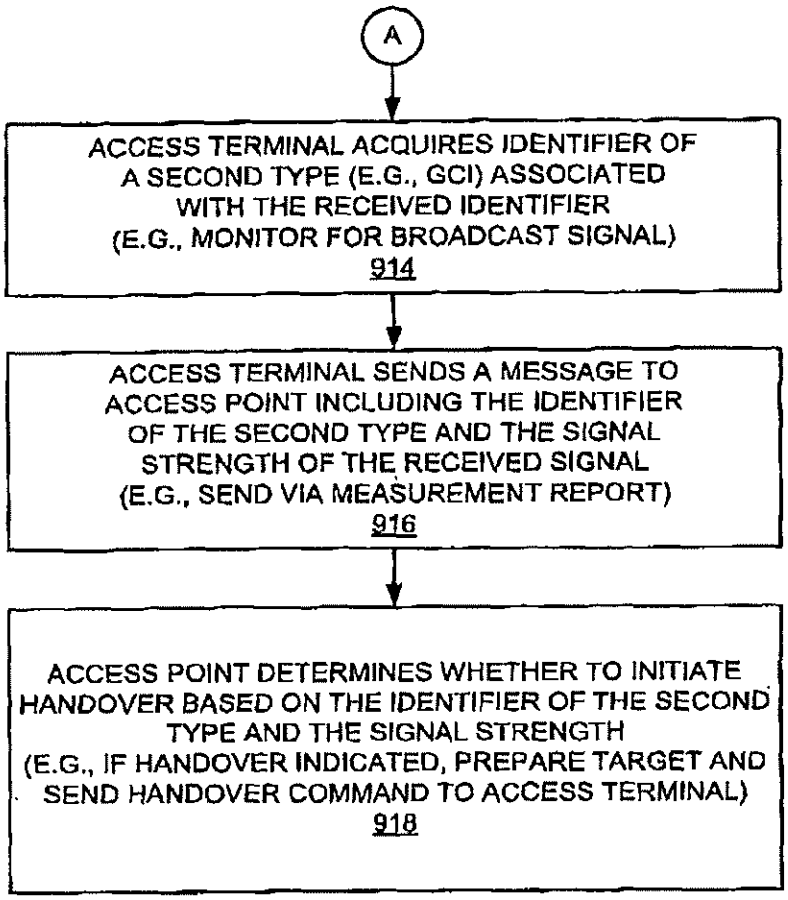

A
ACCESS TERMINAL ACQUIRES IDENTIFIER OF A SECOND TYPE (E.G., GCI) ASSOCIATED WITH THE RECEIVED IDENTIFIER (E.G., MONITOR FOR BROADCAST SIGNAL)
914
ACCESS TERMINAL SENDS A MESSAGE TO ACCESS POINT INCLUDING THE IDENTIFIER OF THE SECOND TYPE AND THE SIGNAL STRENGTH OF THE RECEIVED SIGNAL (E.G., SEND VIA MEASUREMENT REPORT)
916
ACCESS POINT DETERMINES WHETHER TO INITIATE HANDOVER BASED ON THE IDENTIFIER OF THE SECOND TYPE AND THE SIGNAL STRENGTH (E.G., IF HANDOVER INDICATED, PREPARE TARGET AND SEND HANDOVER COMMAND TO ACCESS TERMINAL)
918

FIG. 9B

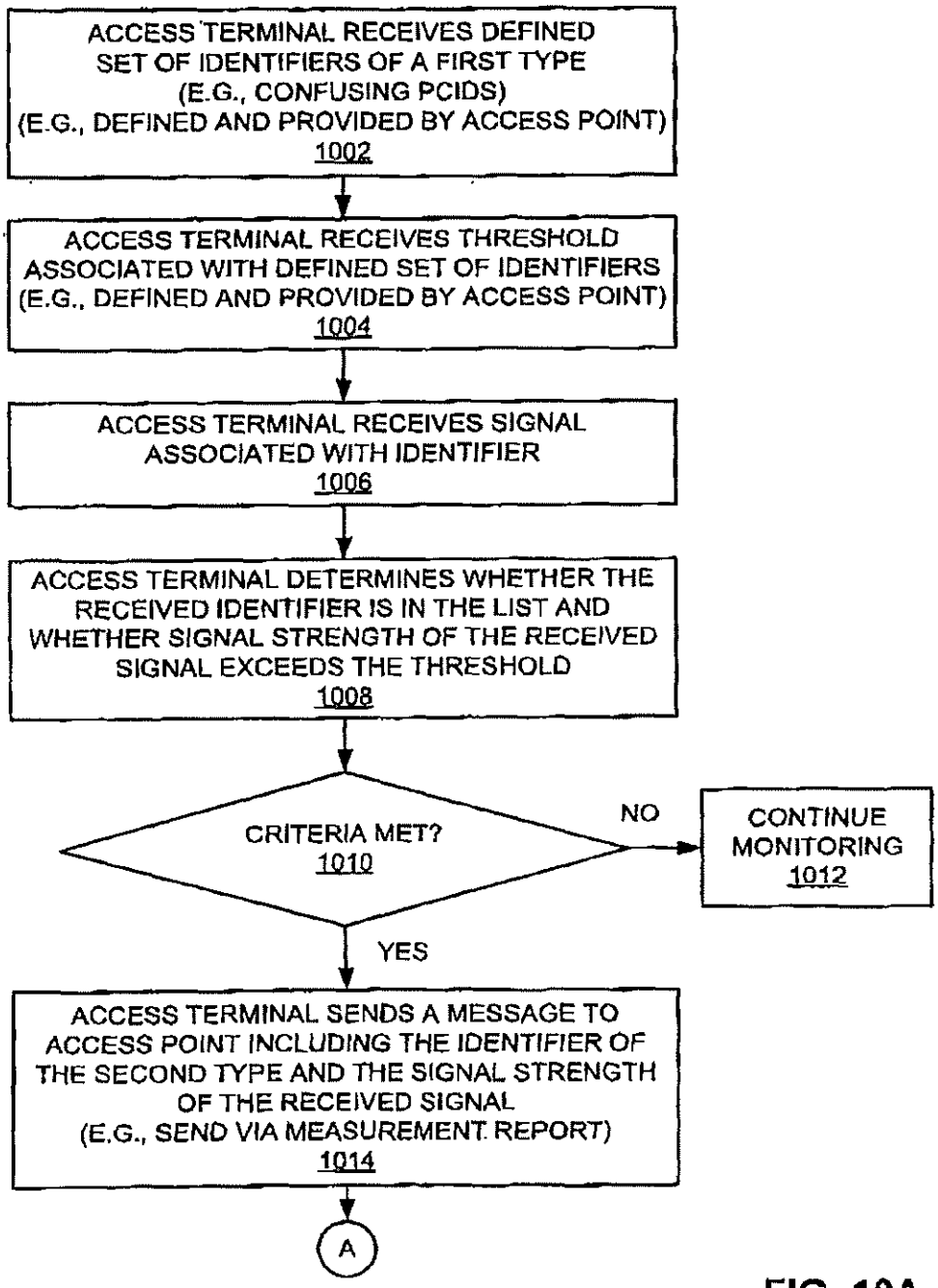

ACCESS TERMINAL RECEIVES DEFINED SET OF IDENTIFIERS OF A FIRST TYPE (E.G., CONFUSING PCIDS) (E.G., DEFINED AND PROVIDED BY ACCESS POINT) 1002
ACCESS TERMINAL RECEIVES THRESHOLD ASSOCIATED WITH DEFINED SET OF IDENTIFIERS (E.G., DEFINED AND PROVIDED BY ACCESS POINT) 1004
ACCESS TERMINAL RECEIVES SIGNAL ASSOCIATED WITH IDENTIFIER 1006
ACCESS TERMINAL DETERMINES WHETHER THE RECEIVED IDENTIFIER IS IN THE LIST AND WHETHER SIGNAL STRENGTH OF THE RECEIVED SIGNAL EXCEEDS THE THRESHOLD 1008
CRITERIA MET? 1010
NO
CONTINUE MONITORING 1012
YES
ACCESS TERMINAL SENDS A MESSAGE TO ACCESS POINT INCLUDING THE IDENTIFIER OF THE SECOND TYPE AND THE SIGNAL STRENGTH OF THE RECEIVED SIGNAL (E.G., SEND VIA MEASUREMENT REPORT) 1014
A

FIG. 10A

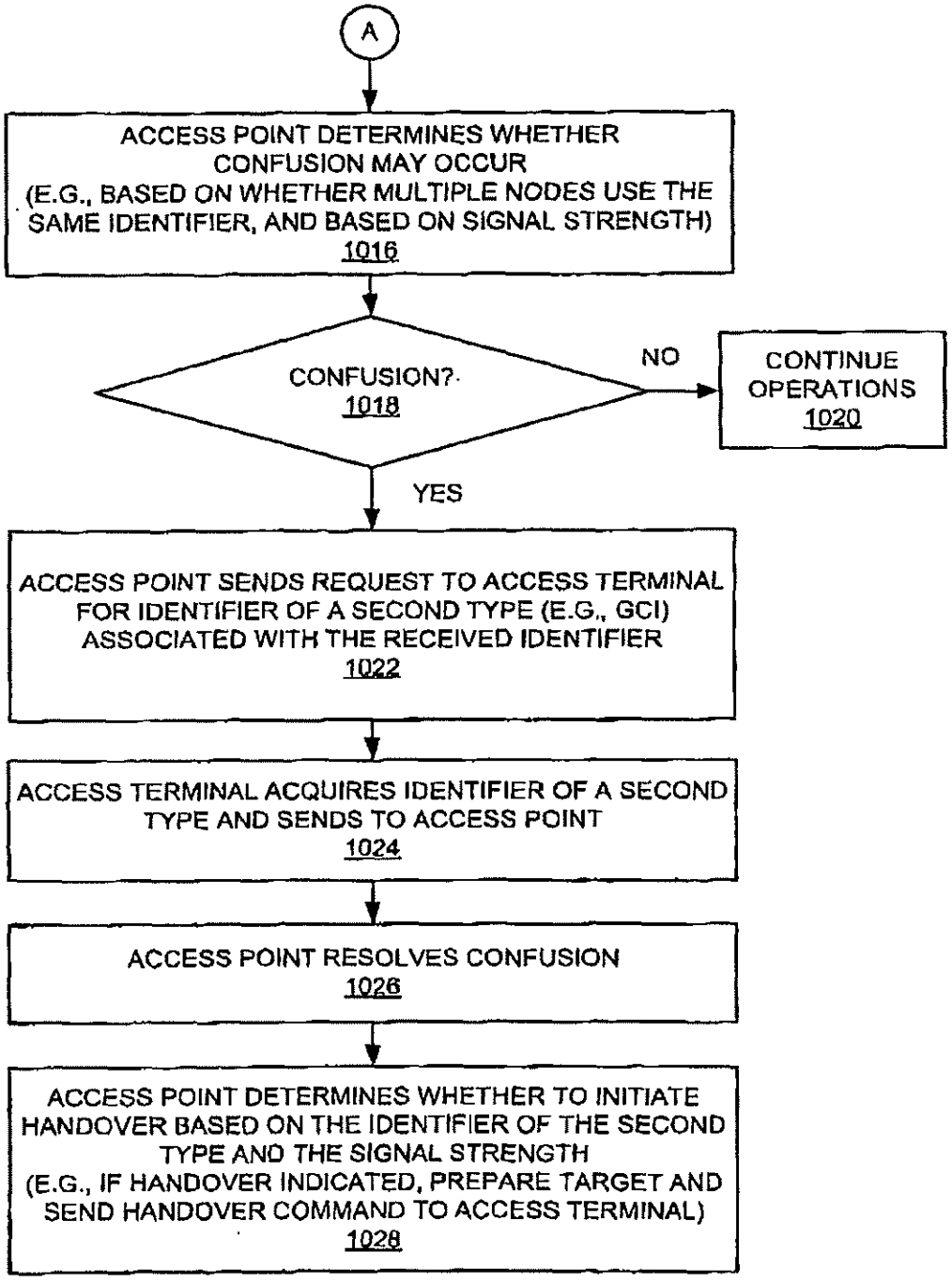

A
ACCESS POINT DETERMINES WHETHER CONFUSION MAY OCCUR (E.G., BASED ON WHETHER MULTIPLE NODES USE THE SAME IDENTIFIER, AND BASED ON SIGNAL STRENGTH) 1016
CONFUSION? 1018
NO
CONTINUE OPERATIONS 1020
YES
ACCESS POINT SENDS REQUEST TO ACCESS TERMINAL FOR IDENTIFIER OF A SECOND TYPE (E.G., GCI) ASSOCIATED WITH THE RECEIVED IDENTIFIER 1022
ACCESS TERMINAL ACQUIRES IDENTIFIER OF A SECOND TYPE AND SENDS TO ACCESS POINT 1024
ACCESS POINT RESOLVES CONFUSION 1026
ACCESS POINT DETERMINES WHETHER TO INITIATE HANDOVER BASED ON THE IDENTIFIER OF THE SECOND TYPE AND THE SIGNAL STRENGTH (E.G., IF HANDOVER INDICATED, PREPARE TARGET AND SEND HANDOVER COMMAND TO ACCESS TERMINAL) 1028

FIG. 10B

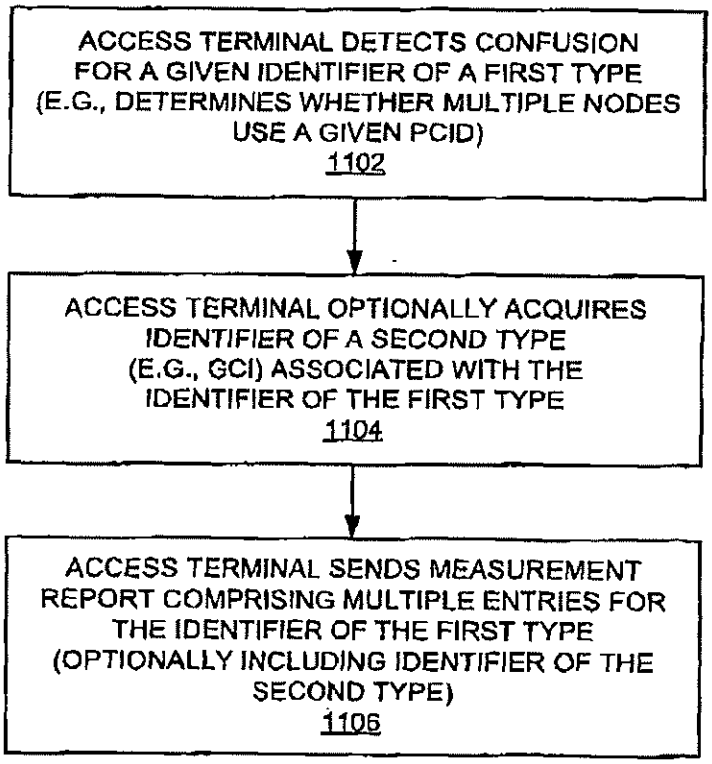

ACCESS TERMINAL DETECTS CONFUSION FOR A GIVEN IDENTIFIER OF A FIRST TYPE (E.G., DETERMINES WHETHER MULTIPLE NODES USE A GIVEN PCID)
1102
ACCESS TERMINAL OPTIONALLY ACQUIRES IDENTIFIER OF A SECOND TYPE (E.G., GCI) ASSOCIATED WITH THE IDENTIFIER OF THE FIRST TYPE
1104
ACCESS TERMINAL SENDS MEASUREMENT REPORT COMPRISING MULTIPLE ENTRIES FOR THE IDENTIFIER OF THE FIRST TYPE (OPTIONALLY INCLUDING IDENTIFIER OF THE SECOND TYPE)
1106

FIG. 11

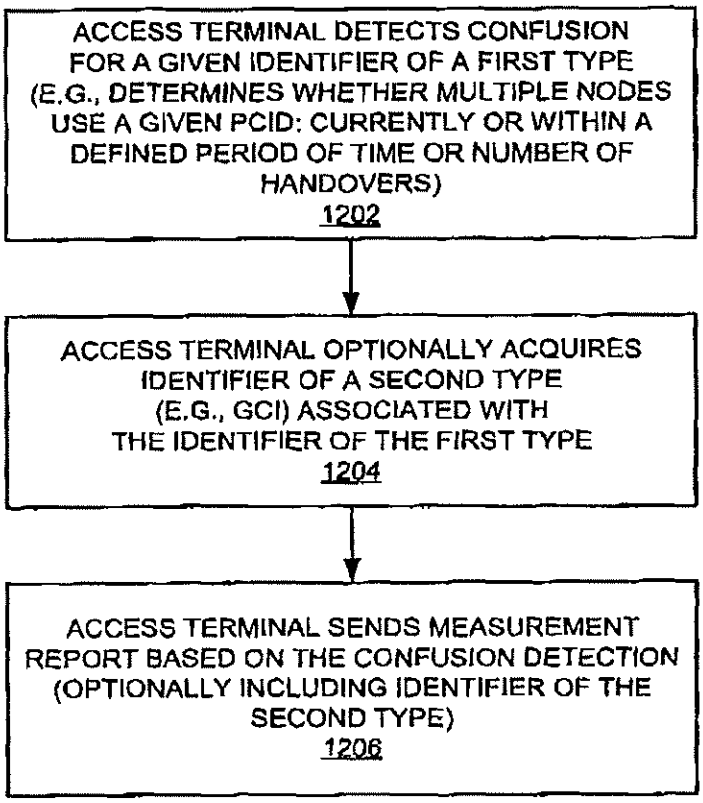

ACCESS TERMINAL DETECTS CONFUSION FOR A GIVEN IDENTIFIER OF A FIRST TYPE (E.G., DETERMINES WHETHER MULTIPLE NODES USE A GIVEN PCID: CURRENTLY OR WITHIN A DEFINED PERIOD OF TIME OR NUMBER OF HANDOVERS)
1202
ACCESS TERMINAL OPTIONALLY ACQUIRES IDENTIFIER OF A SECOND TYPE (E.G., GCI) ASSOCIATED WITH THE IDENTIFIER OF THE FIRST TYPE
1204
ACCESS TERMINAL SENDS MEASUREMENT REPORT BASED ON THE CONFUSION DETECTION (OPTIONALLY INCLUDING IDENTIFIER OF THE SECOND TYPE)
1206

FIG. 12

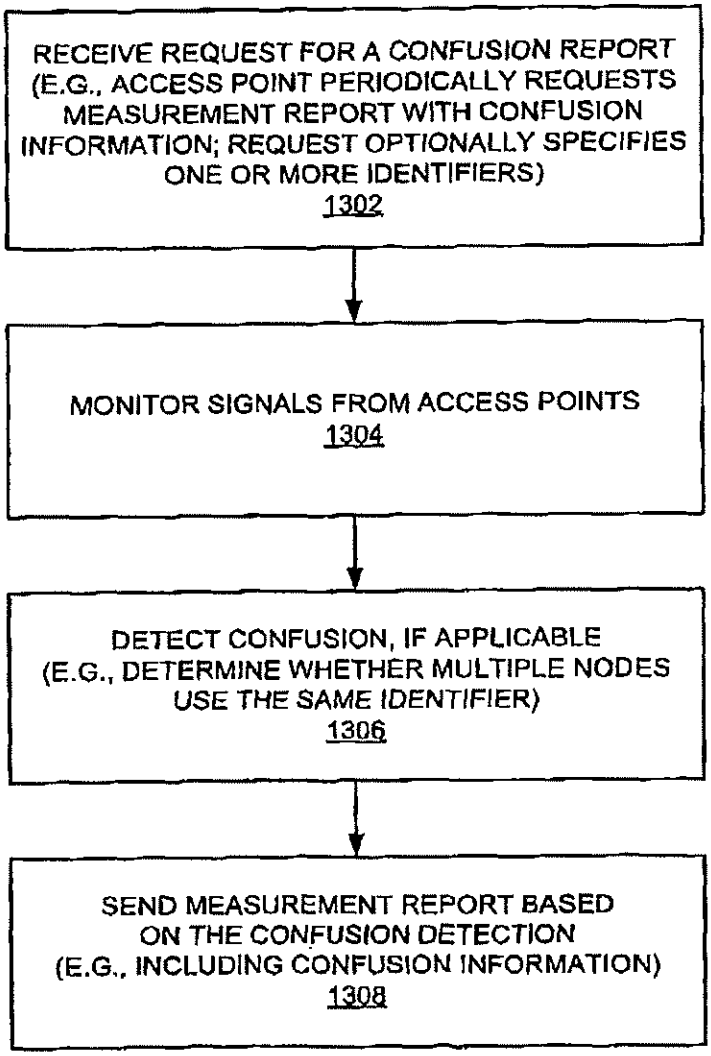

RECEIVE REQUEST FOR A CONFUSION REPORT (E.G., ACCESS POINT PERIODICALLY REQUESTS MEASUREMENT REPORT WITH CONFUSION INFORMATION; REQUEST OPTIONALLY SPECIFIES ONE OR MORE IDENTIFIERS)
1302
MONITOR SIGNALS FROM ACCESS POINTS
1304
DETECT CONFUSION, IF APPLICABLE (E.G., DETERMINE WHETHER MULTIPLE NODES USE THE SAME IDENTIFIER)
1306
SEND MEASUREMENT REPORT BASED ON THE CONFUSION DETECTION (E.G., INCLUDING CONFUSION INFORMATION)
1308

FIG. 13

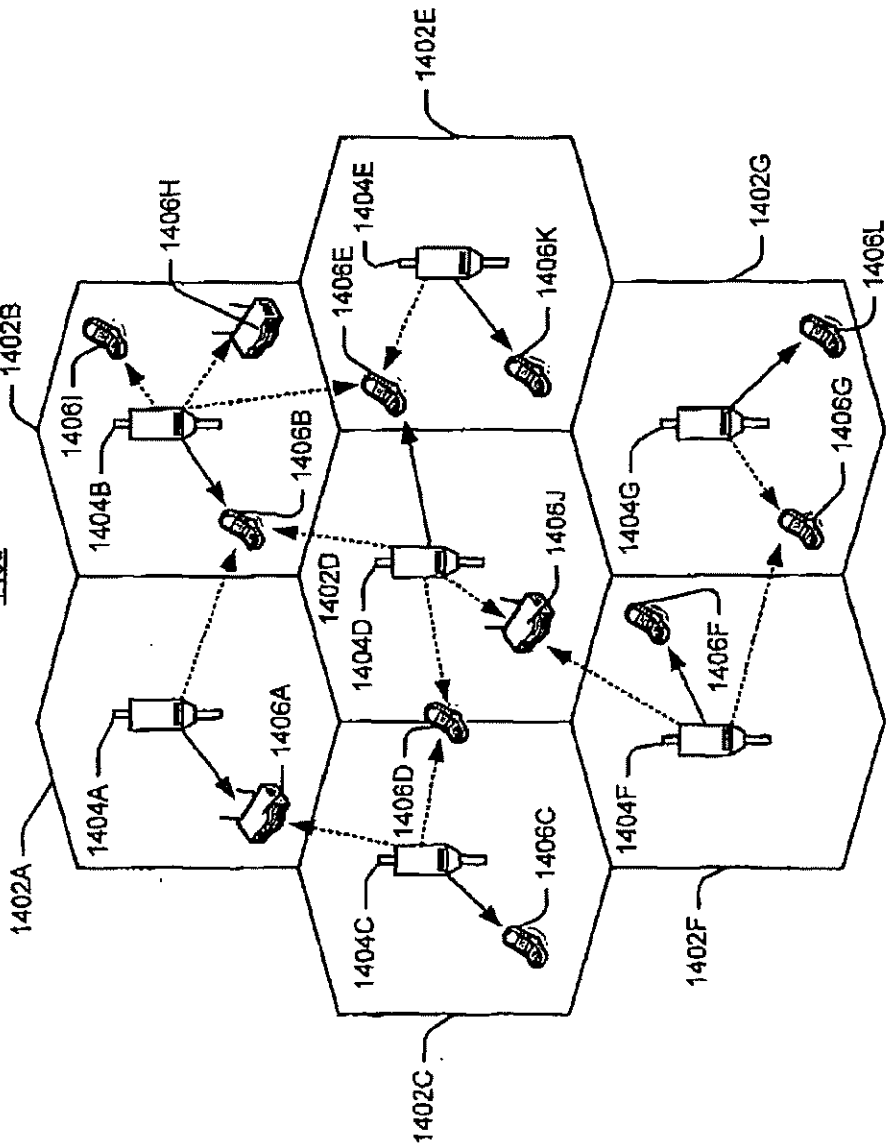

1400
1402A
1402B
1402C
1402D
1402E
1402F
1402G
1404A
1404B
1404C
1404D
1404E
1404F
1404G
1406A
1406B
1406C
1406D
1406E
1406F
1406G
1406H
1406I
1406J
1406K
1406L

FIG. 14

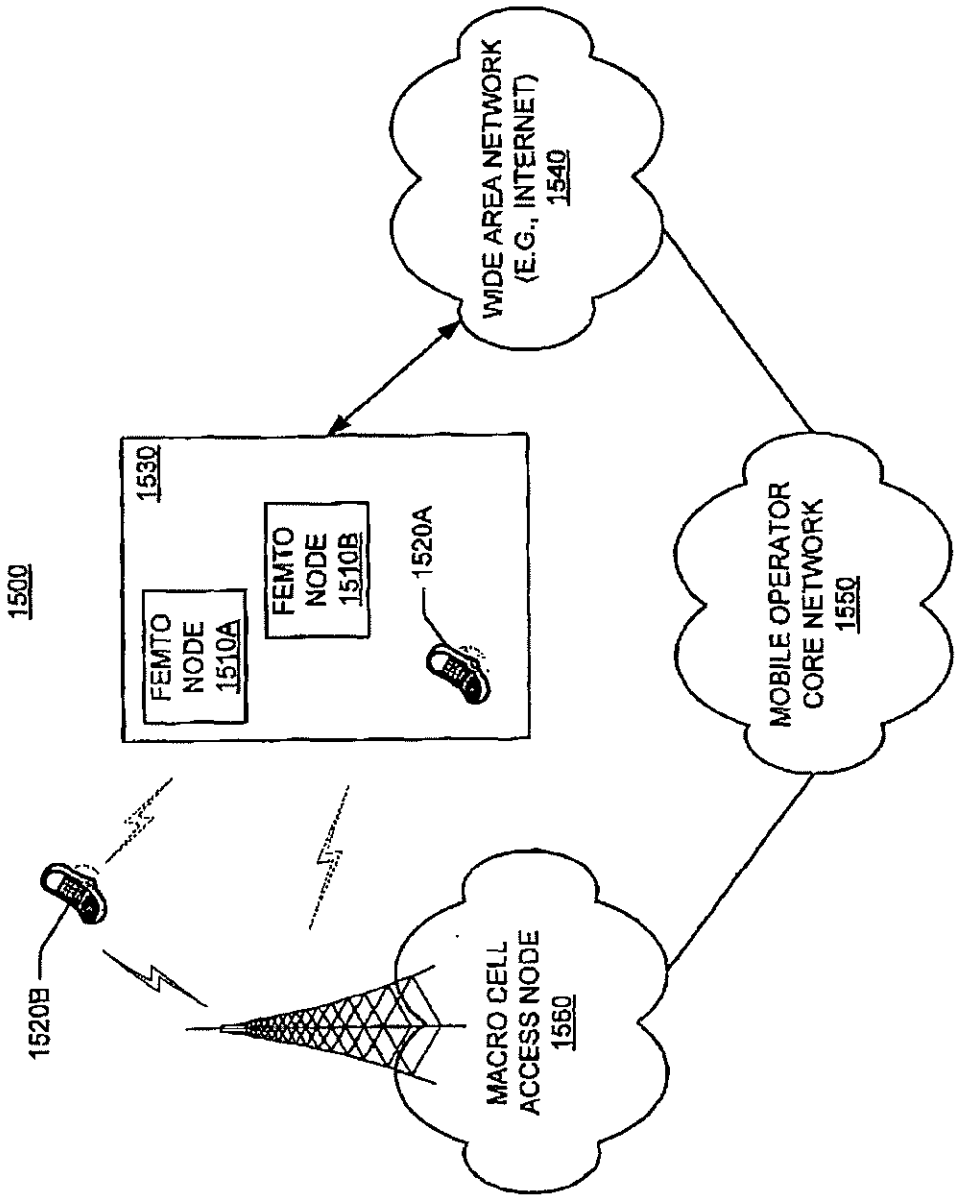

1500
WIDE AREA NETWORK (E.G., INTERNET) 1540
1530
FEMTO NODE 1510A
FEMTO NODE 1510B
1520A
1520B
MACRO CELL ACCESS NODE 1560
MOBILE OPERATOR CORE NETWORK 1550

FIG. 15

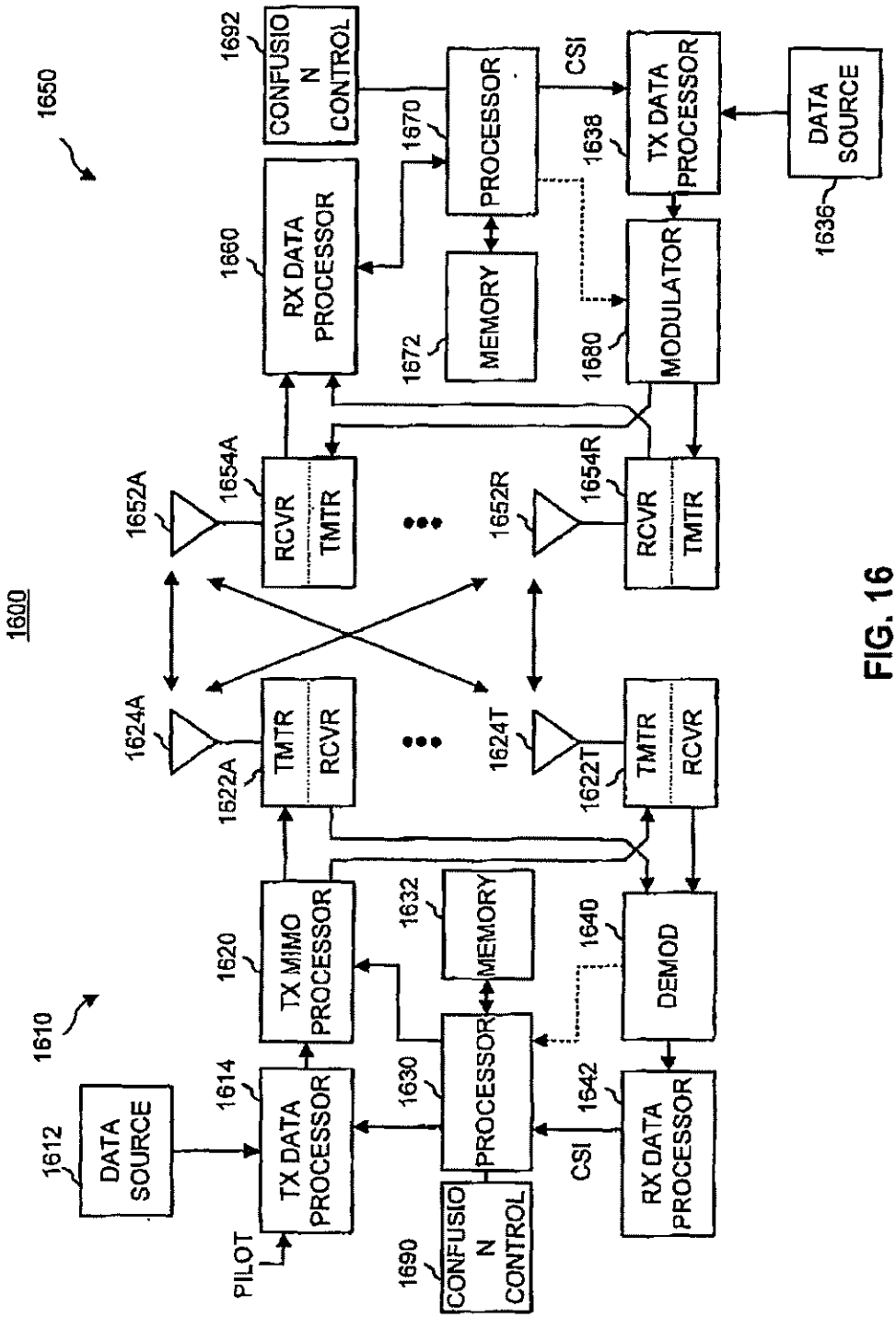

1600
1610
1612
DATA SOURCE
1614
TX DATA PROCESSOR
PILOT
1620
TX MIMO PROCESSOR
1622A
TMTR
RCVR
1624A
1624T
1622T
1630
PROCESSOR
1632
MEMORY
1640
DEMOD
1642
RX DATA PROCESSOR
CSI
1690
CONFUSIO N CONTROL
1650
1652A
1652R
1654A
1654R
RCVR
TMTR
1660
RX DATA PROCESSOR
1670
PROCESSOR
1672
MEMORY
1680
MODULATOR
1692
CONFUSIO N CONTROL
CSI
1638
TX DATA PROCESSOR
1636
DATA SOURCE

FIG. 16

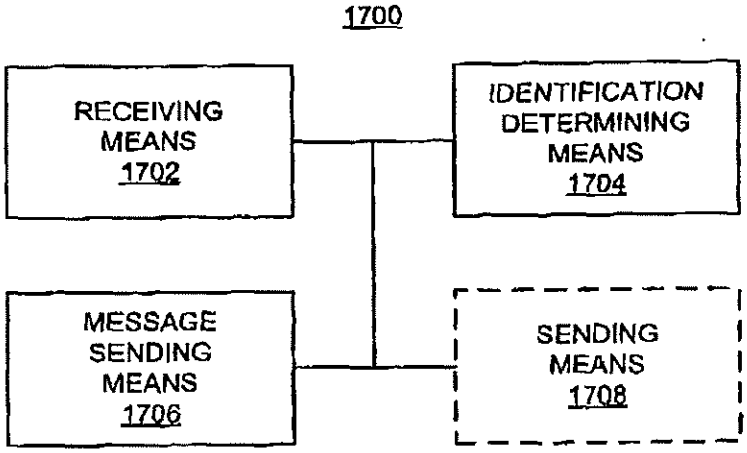

1700
RECEIVING MEANS 1702
IDENTIFICATION DETERMINING MEANS 1704
MESSAGE SENDING MEANS 1706
SENDING MEANS 1708

FIG. 17

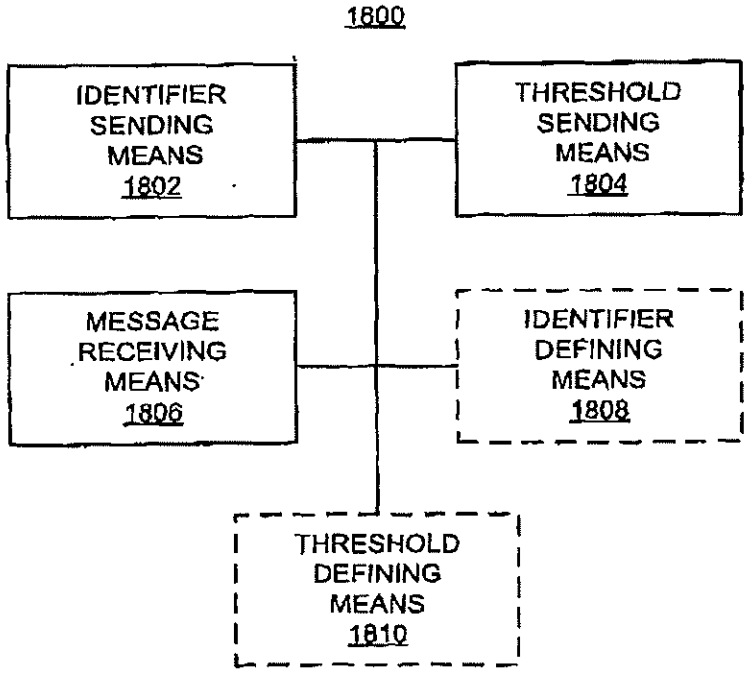

1800
IDENTIFIER SENDING MEANS 1802
THRESHOLD SENDING MEANS 1804
MESSAGE RECEIVING MEANS 1806
IDENTIFIER DEFINING MEANS 1808
THRESHOLD DEFINING MEANS 1810

FIG. 18

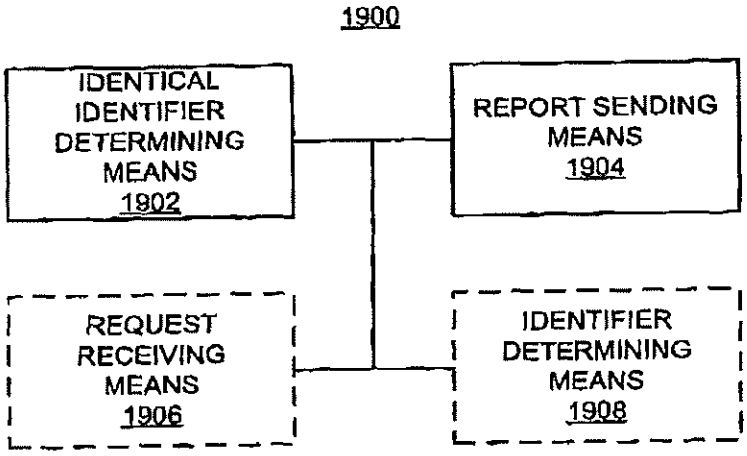

1900
IDENTICAL IDENTIFIER DETERMINING MEANS 1902
REPORT SENDING MEANS 1904
REQUEST RECEIVING MEANS 1906
IDENTIFIER DETERMINING MEANS 1908

FIG. 19

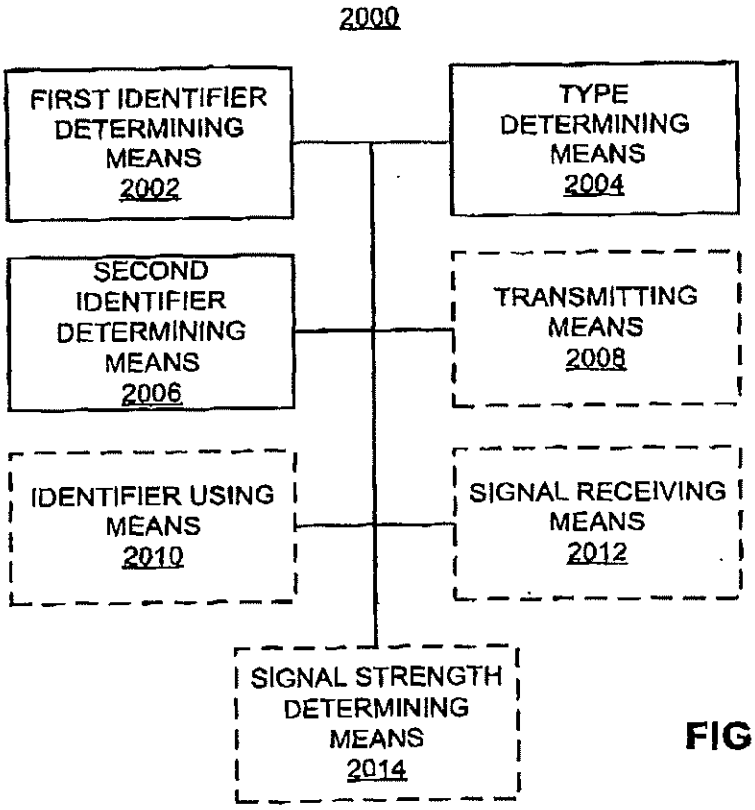

2000
FIRST IDENTIFIER DETERMINING MEANS 2002
TYPE DETERMINING MEANS 2004
SECOND IDENTIFIER DETERMINING MEANS 2006
TRANSMITTING MEANS 2008
IDENTIFIER USING MEANS 2010
SIGNAL RECEIVING MEANS 2012
SIGNAL STRENGTH DETERMINING MEANS 2014

FIG. 20

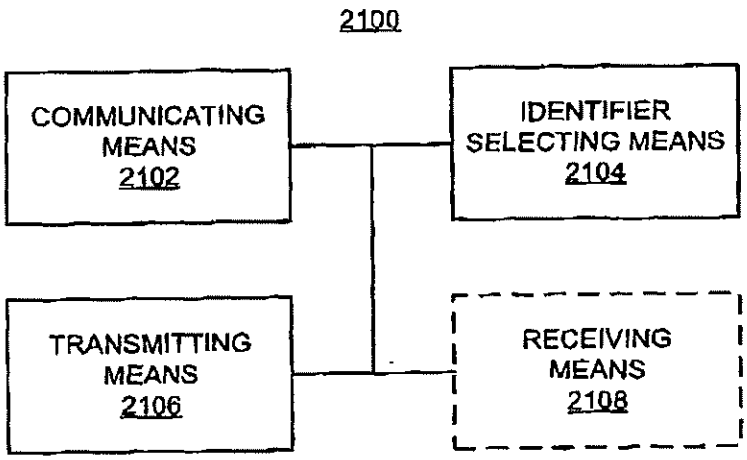

2100
COMMUNICATING MEANS 2102
IDENTIFIER SELECTING MEANS 2104
TRANSMITTING MEANS 2106
RECEIVING MEANS 2108

FIG. 21