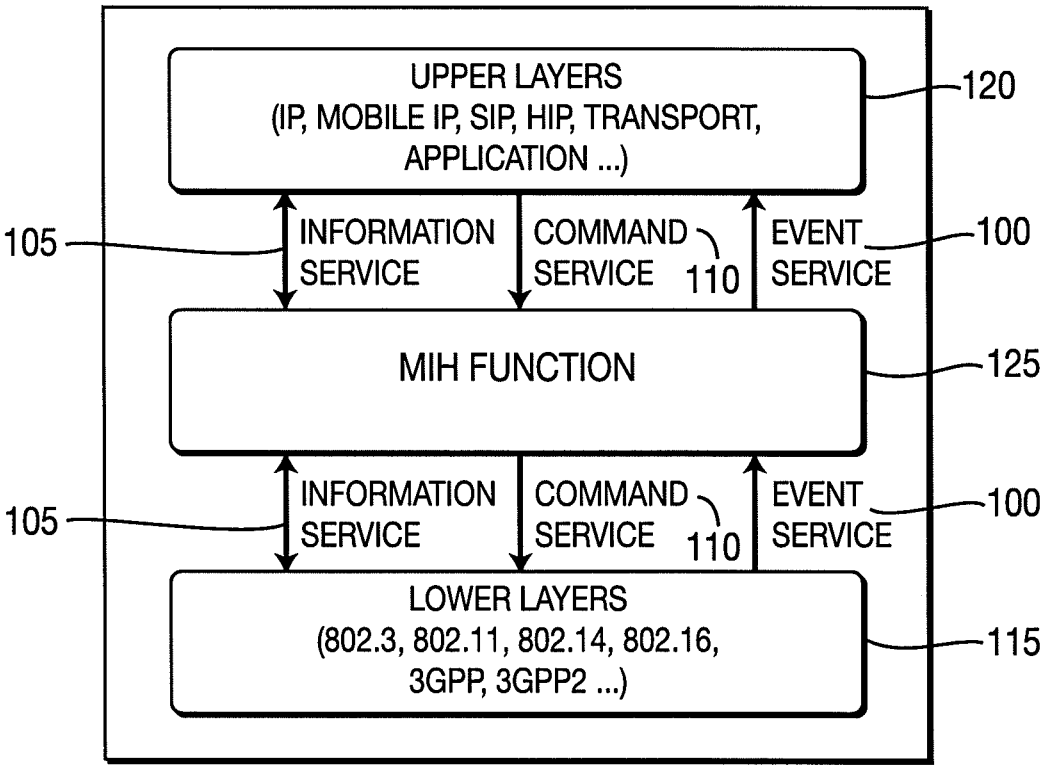

UPPER LAYERS
(IP, MOBILE IP, SIP, HIP, TRANSPORT,
APPLICATION ...)
120
105
INFORMATION SERVICE
COMMAND SERVICE
110
EVENT SERVICE
100
MIH FUNCTION
125
105
INFORMATION SERVICE
COMMAND SERVICE
110
EVENT SERVICE
100
LOWER LAYERS
(802.3, 802.11, 802.14, 802.16,
3GPP, 3GPP2 ...)
115

FIG. 1

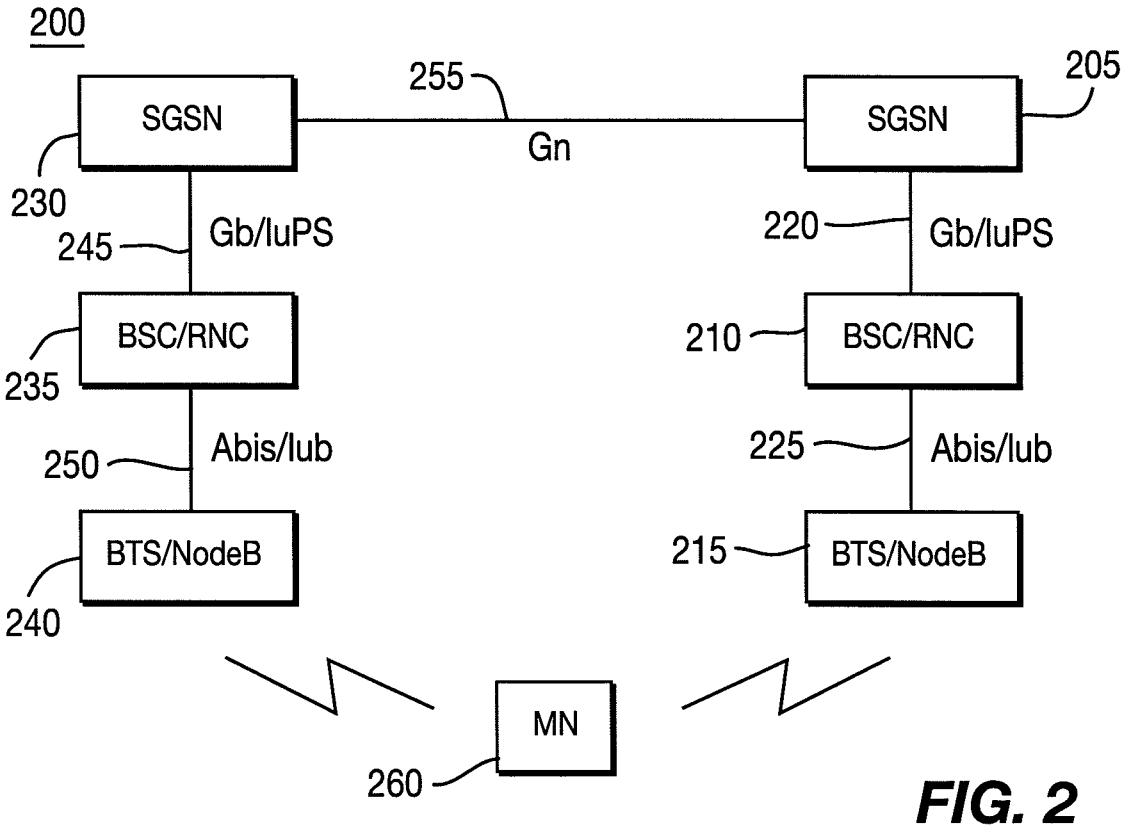

200
SGSN
255
Gn
SGSN
205
230
245
Gb/luPS
220
Gb/luPS
BSC/RNC
235
210
BSC/RNC
250
Abis/lub
225
Abis/lub
BTS/NodeB
240
215
BTS/NodeB
MN
260

FIG. 2

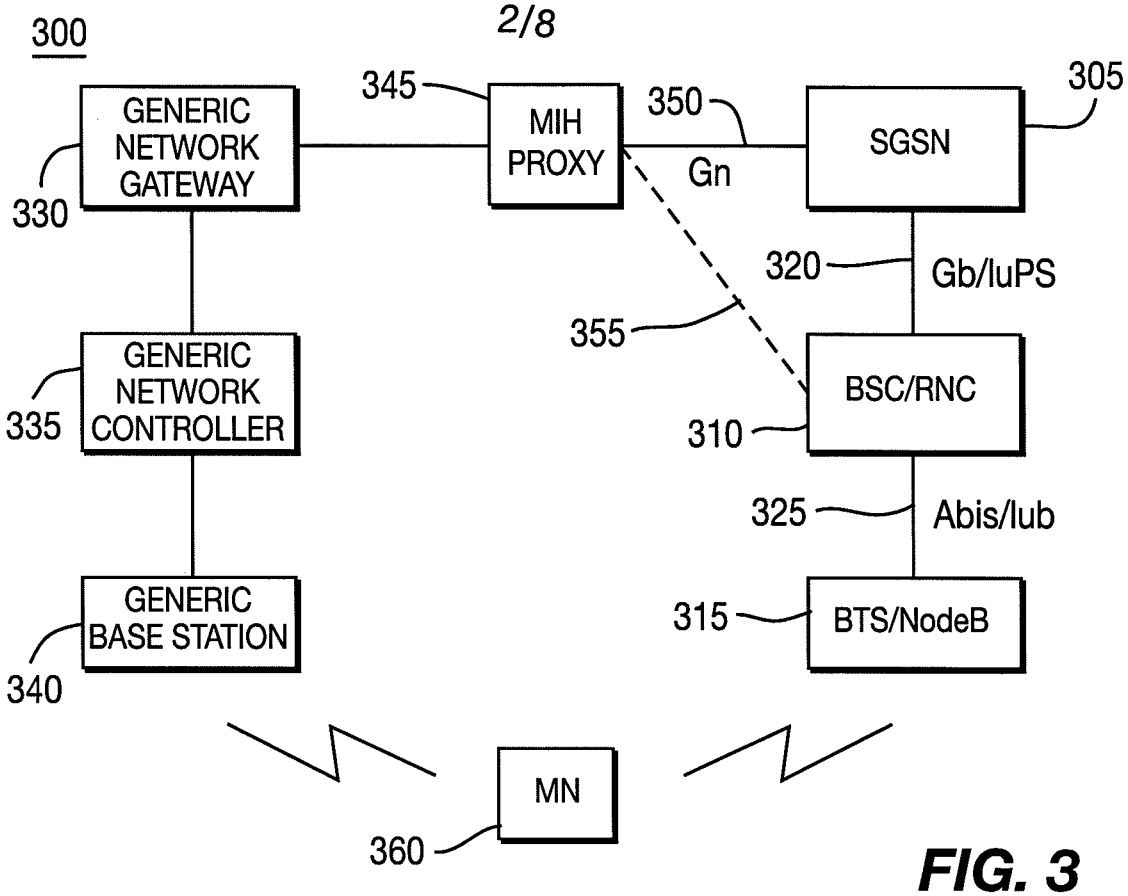

300
GENERIC NETWORK GATEWAY
330
345
MIH PROXY
350
Gn
SGSN
305
320
Gb/luPS
355
GENERIC NETWORK CONTROLLER
335
BSC/RNC
310
325
Abis/lub
GENERIC BASE STATION
340
315
BTS/NodeB
MN
360

FIG. 3

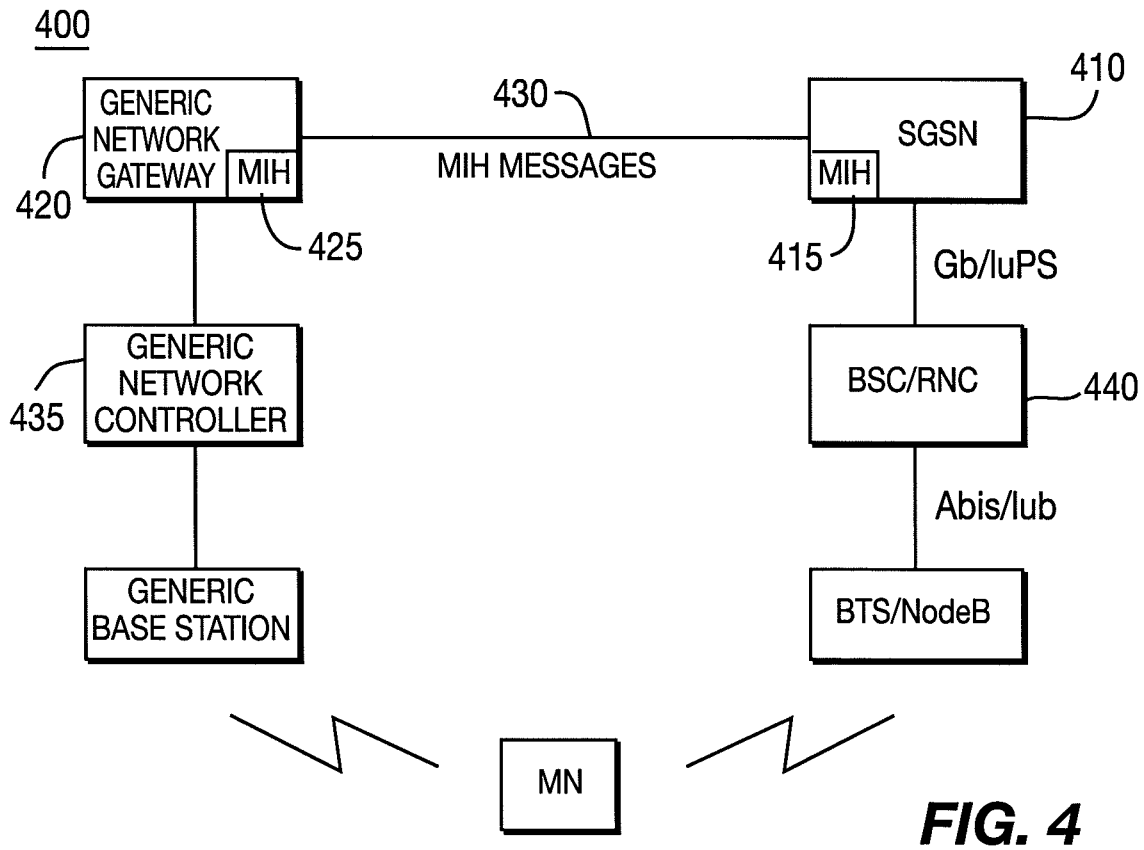

400
GENERIC NETWORK GATEWAY
MIH
420
425
430
MIH MESSAGES
SGSN
MIH
410
415
Gb/luPS
GENERIC NETWORK CONTROLLER
435
BSC/RNC
440
Abis/lub
GENERIC BASE STATION
BTS/NodeB
MN

FIG. 4

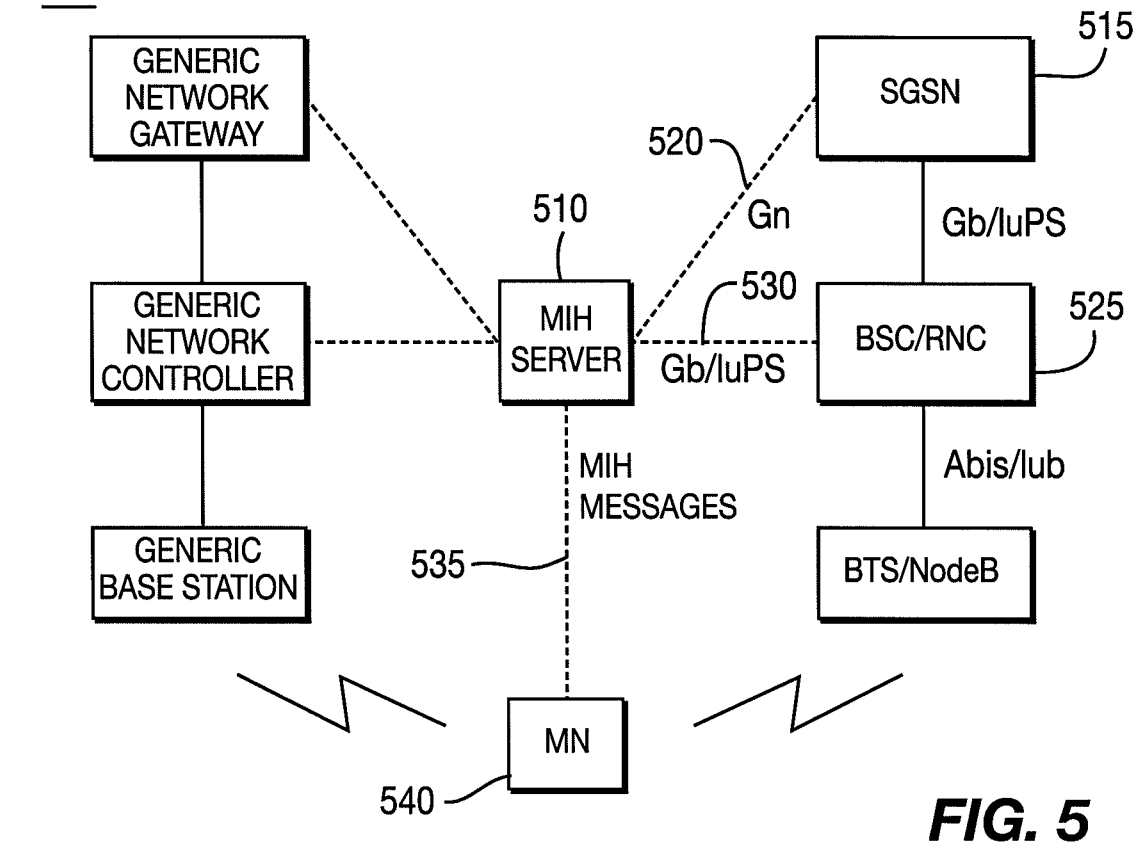

500
GENERIC NETWORK GATEWAY
SGSN
515
520
Gn
510
Gb/IuPS
GENERIC NETWORK CONTROLLER
MIH SERVER
530
BSC/RNC
525
Gb/IuPS
MIH MESSAGES
Abis/lub
GENERIC BASE STATION
535
BTS/NodeB
MN
540

FIG. 5

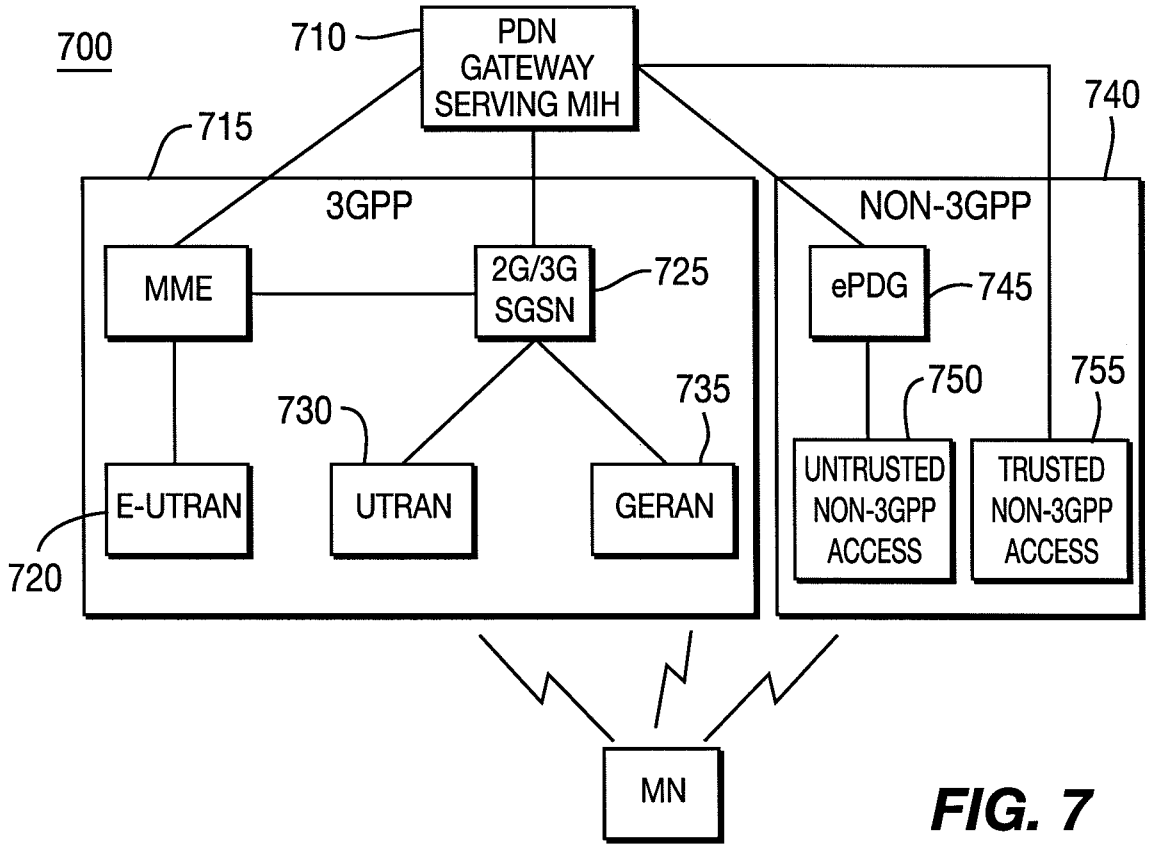

700
710
PDN GATEWAY SERVING MIH
740
715
3GPP
NON-3GPP
MME
2G/3G SGSN
725
ePDG
745
750
755
735
730
UNTRUSTED NON-3GPP ACCESS
TRUSTED NON-3GPP ACCESS
E-UTRAN
UTRAN
GERAN
720
MN

FIG. 7

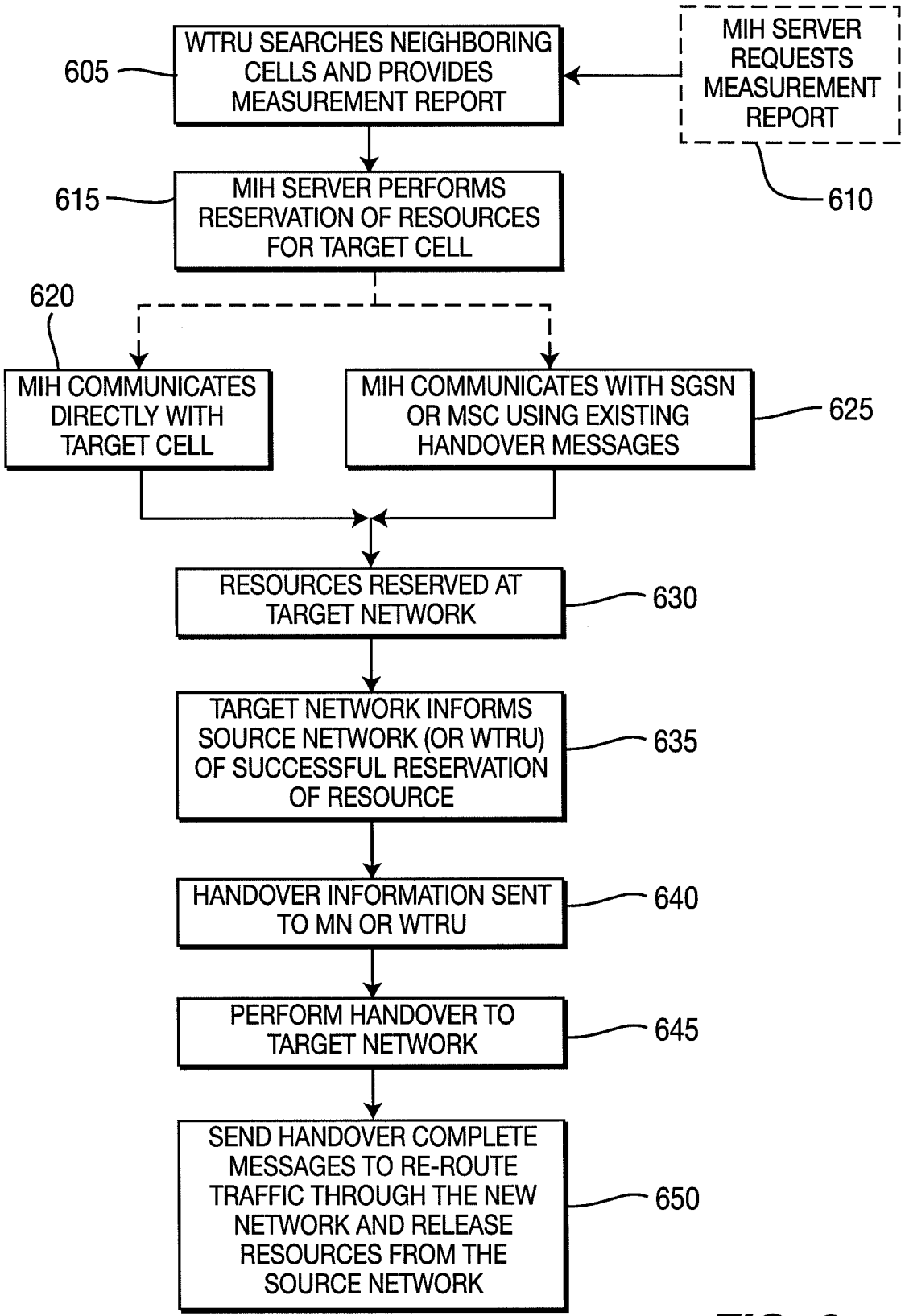

WTRU SEARCHES NEIGHBORING CELLS AND PROVIDES MEASUREMENT REPORT
605
MIH SERVER REQUESTS MEASUREMENT REPORT
610
MIH SERVER PERFORMS RESERVATION OF RESOURCES FOR TARGET CELL
615
620
MIH COMMUNICATES DIRECTLY WITH TARGET CELL
MIH COMMUNICATES WITH SGSN OR MSC USING EXISTING HANDOVER MESSAGES
625
RESOURCES RESERVED AT TARGET NETWORK
630
TARGET NETWORK INFORMS SOURCE NETWORK (OR WTRU) OF SUCCESSFUL RESERVATION OF RESOURCE
635
HANDOVER INFORMATION SENT TO MN OR WTRU
640
PERFORM HANDOVER TO TARGET NETWORK
645
SEND HANDOVER COMPLETE MESSAGES TO RE-ROUTE TRAFFIC THROUGH THE NEW NETWORK AND RELEASE RESOURCES FROM THE SOURCE NETWORK
650

FIG. 6

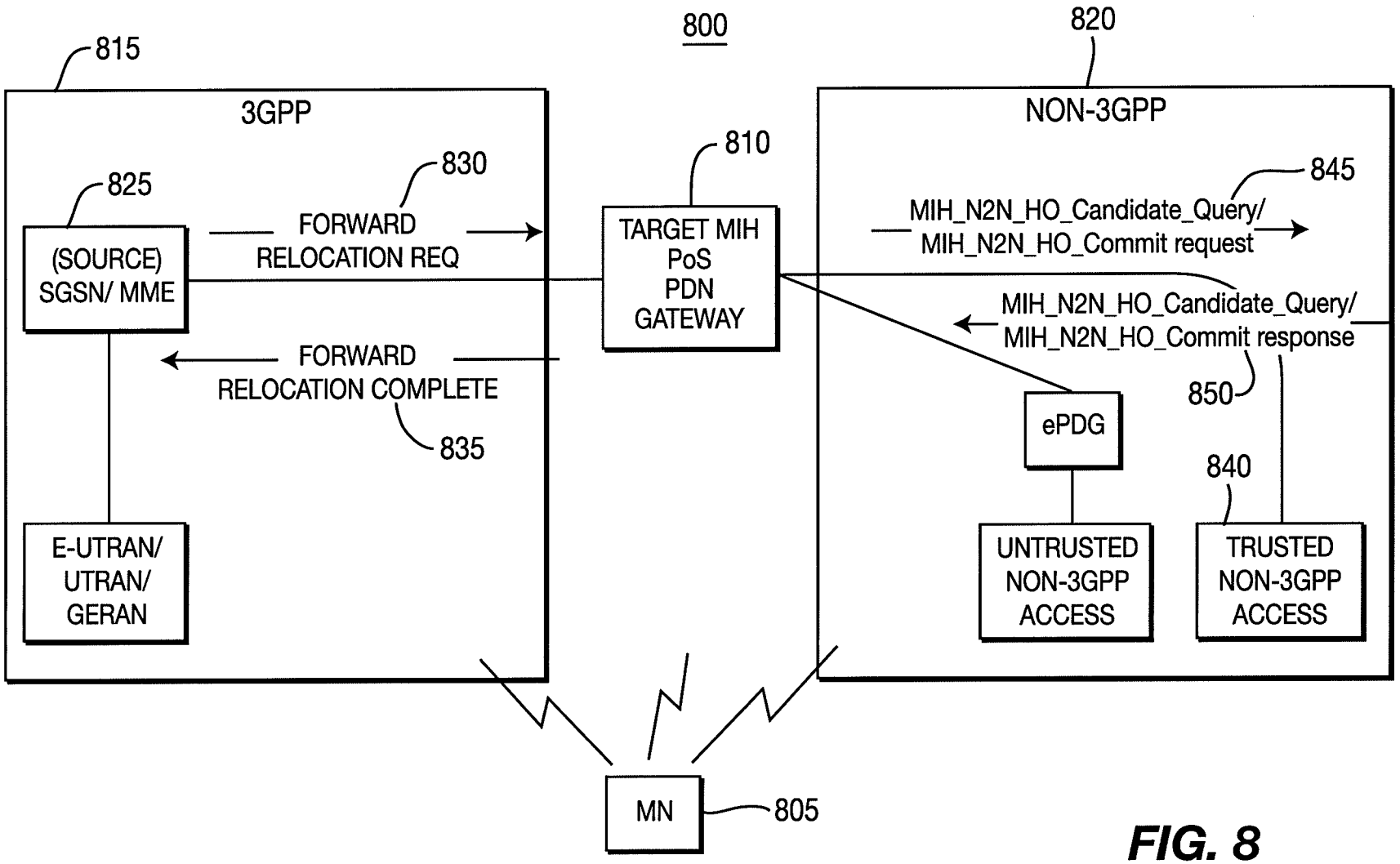

800
815
3GPP
820
NON-3GPP
825
(SOURCE)
SGSN/ MME
830
FORWARD
RELOCATION REQ
810
TARGET MIH
PoS
PDN
GATEWAY
845
MIH_N2N_HO_Candidate_Query/
MIH_N2N_HO_Commit request
MIH_N2N_HO_Candidate_Query/
MIH_N2N_HO_Commit response
850
FORWARD
RELOCATION COMPLETE
835
ePDG
840
E-UTRAN/
UTRAN/
GERAN
UNTRUSTED
NON-3GPP
ACCESS
TRUSTED
NON-3GPP
ACCESS
MN
805

FIG. 8

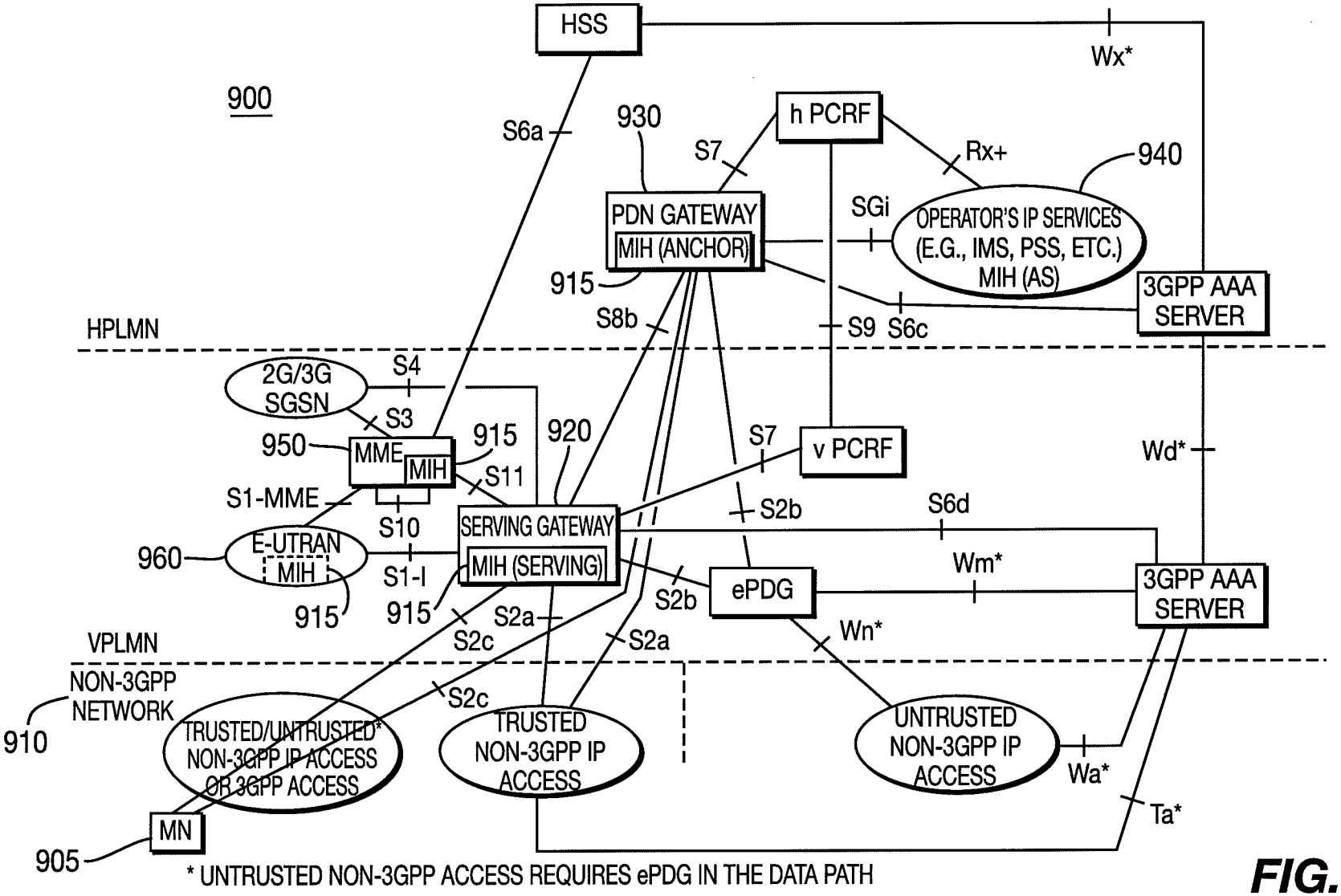

900
HSS
Wx*
S6a
930
h PCRF
S7
Rx+
940
PDN GATEWAY
MIH (ANCHOR)
SGi
OPERATOR'S IP SERVICES
(E.G., IMS, PSS, ETC.)
MIH (AS)
915
3GPP AAA
SERVER
S8b
S9
S6c
HPLMN
2G/3G
SGSN
S4
S3
950
MME
MIH
915
920
S7
v PCRF
Wd*
S11
S1-MME
S10
S2b
S6d
SERVING GATEWAY
960
E-UTRAN
MIH
S1-I
MIH (SERVING)
ePDG
Wm*
3GPP AAA
SERVER
915
915
S2a
S2b
S2c
S2a
Wn*
VPLMN
NON-3GPP
NETWORK
910
S2c
TRUSTED/UNTRUSTED*
NON-3GPP IP ACCESS
OR 3GPP ACCESS
TRUSTED
NON-3GPP IP
ACCESS
UNTRUSTED
NON-3GPP IP
ACCESS
Wa*
Ta*
MN
905
* UNTRUSTED NON-3GPP ACCESS REQUIRES ePDG IN THE DATA PATH

FIG. 9

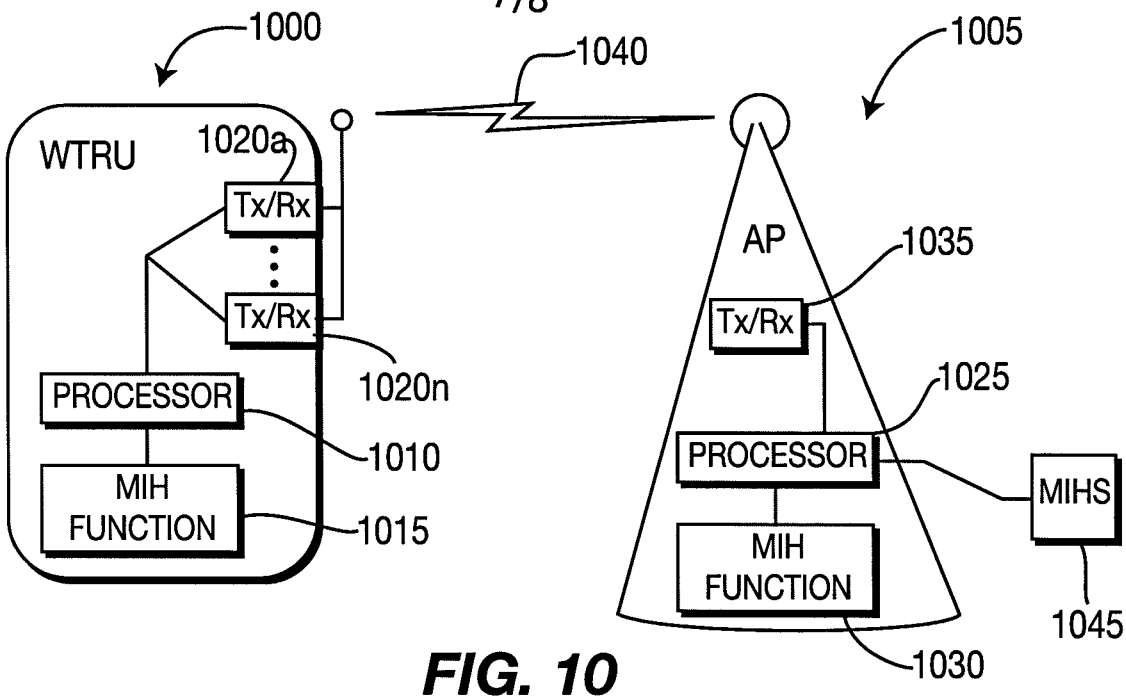

1000
1040
1005
WTRU
1020a
Tx/Rx
Tx/Rx
1020n
PROCESSOR
1010
MIH
FUNCTION
1015
AP
1035
Tx/Rx
1025
PROCESSOR
MIHS
MIH
FUNCTION
1045
1030

FIG. 10

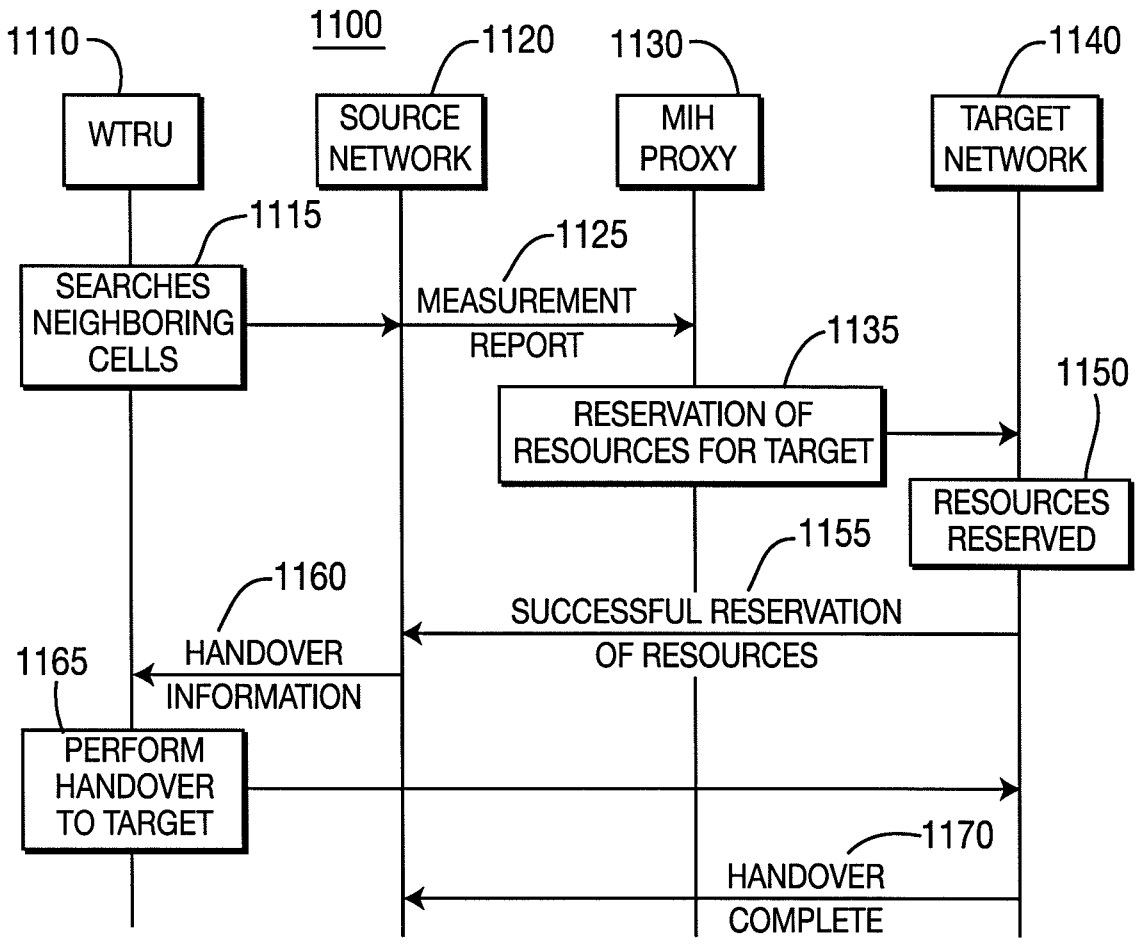

1110
1100
1120
1130
1140
WTRU
SOURCE
NETWORK
MIH
PROXY
TARGET
NETWORK
1115
1125
SEARCHES
NEIGHBORING
CELLS
MEASUREMENT
REPORT
1135
1150
RESERVATION OF
RESOURCES FOR TARGET
RESOURCES
RESERVED
1155
1160
SUCCESSFUL RESERVATION
OF RESOURCES
1165
HANDOVER
INFORMATION
PERFORM
HANDOVER
TO TARGET
1170
HANDOVER
COMPLETE

FIG. 11

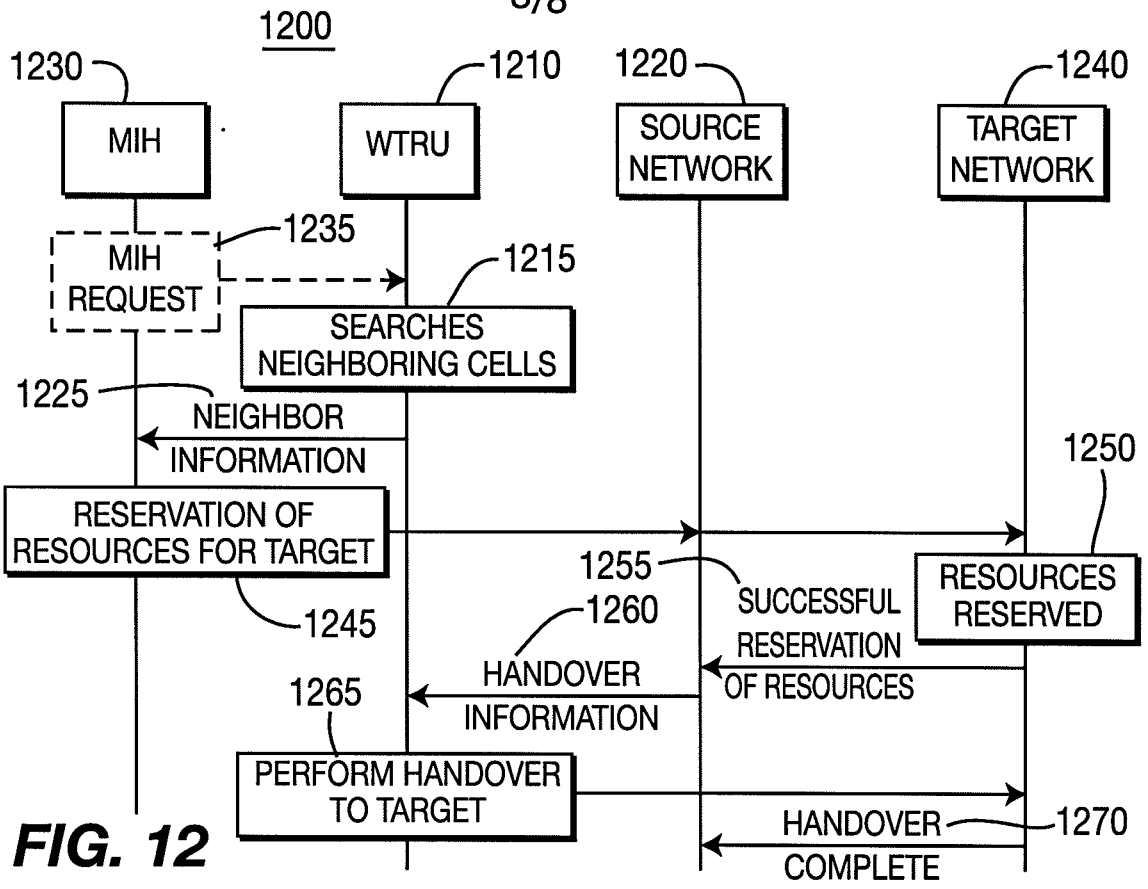

1200
1230
MIH
1210
WTRU
1220
SOURCE NETWORK
1240
TARGET NETWORK
1235
MIH REQUEST
1215
SEARCHES NEIGHBORING CELLS
1225
NEIGHBOR INFORMATION
1250
RESERVATION OF RESOURCES FOR TARGET
1255
SUCCESSFUL RESERVATION OF RESOURCES
RESOURCES RESERVED
1245
1260
HANDOVER INFORMATION
1265
PERFORM HANDOVER TO TARGET
HANDOVER COMPLETE
1270

FIG. 12

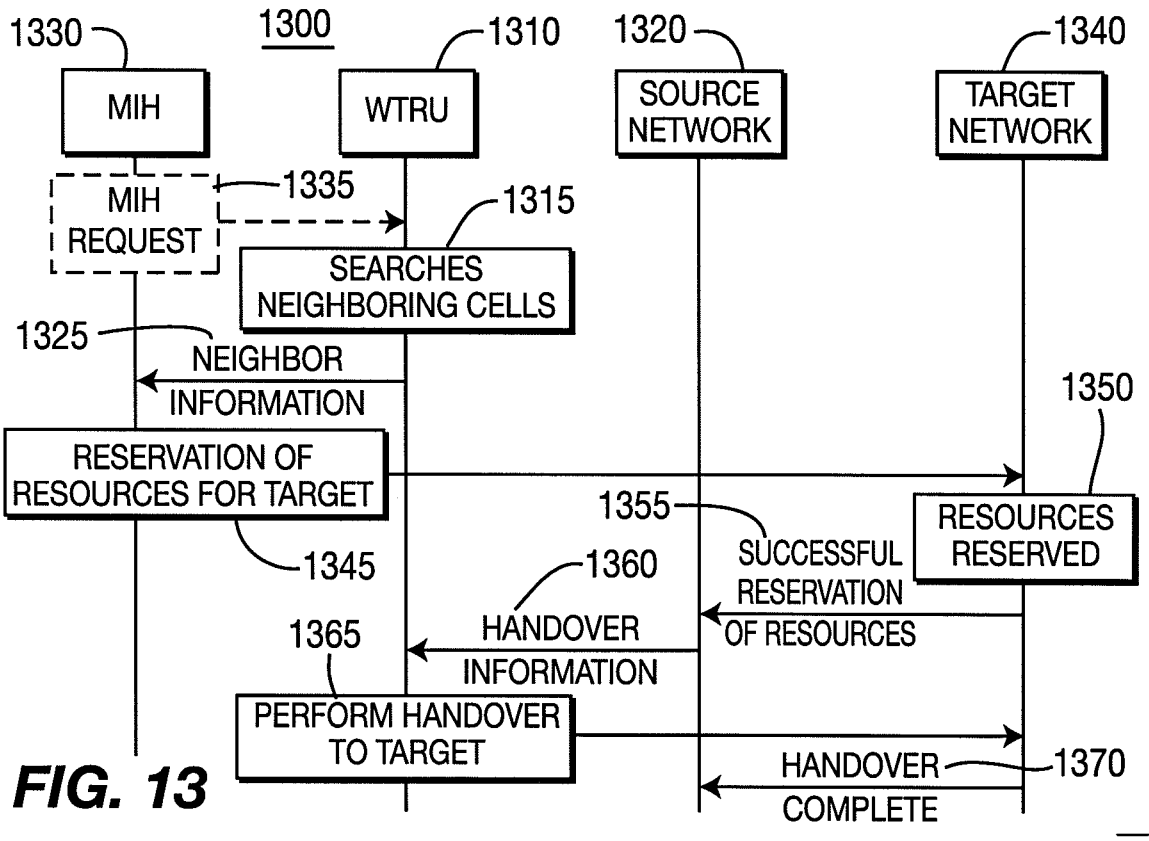

1300
1330
MIH
1310
WTRU
1320
SOURCE NETWORK
1340
TARGET NETWORK
1335
MIH REQUEST
1315
SEARCHES NEIGHBORING CELLS
1325
NEIGHBOR INFORMATION
1350
RESERVATION OF RESOURCES FOR TARGET
1355
SUCCESSFUL RESERVATION OF RESOURCES
RESOURCES RESERVED
1345
1360
HANDOVER INFORMATION
1365
PERFORM HANDOVER TO TARGET
HANDOVER COMPLETE
1370

FIG. 13