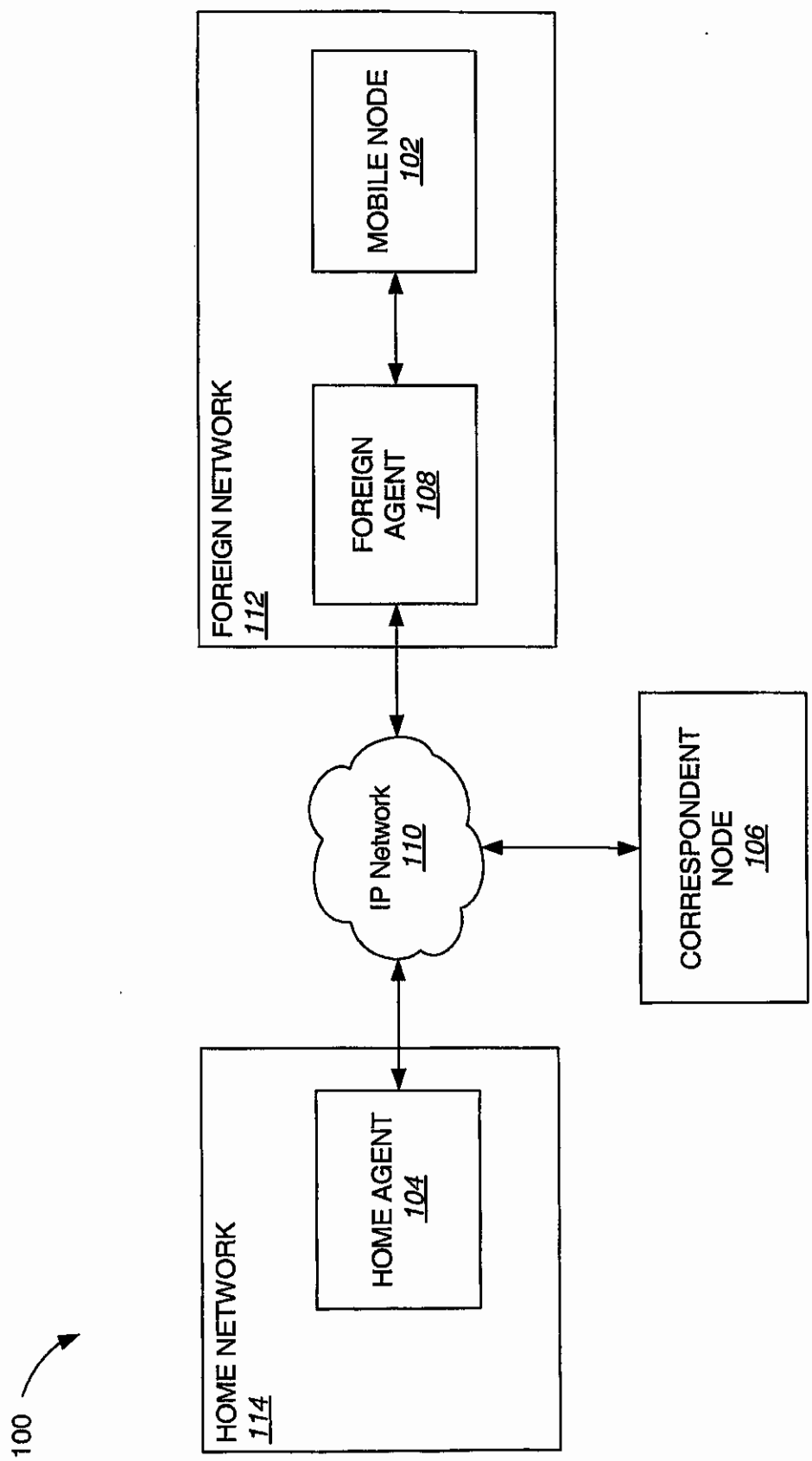

100
HOME NETWORK
114
HOME AGENT
104
IP Network
110
FOREIGN NETWORK
112
FOREIGN AGENT
108
MOBILE NODE
102
CORRESPONDENT NODE
106

FIG. 1

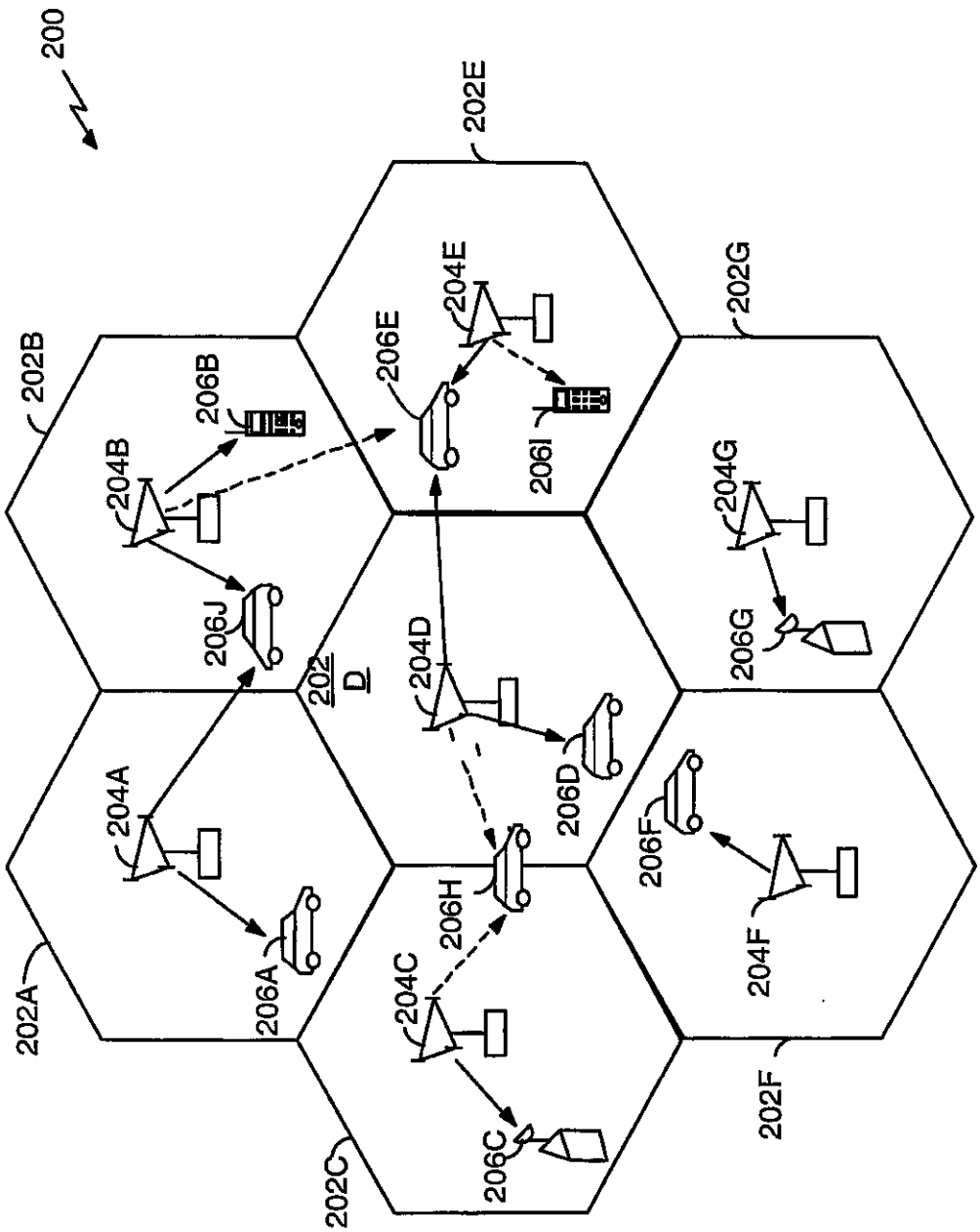

200
202A
202B
202C
202D
202E
202F
202G
204A
204B
204C
204D
204E
204F
204G
206A
206B
206C
206D
206E
206F
206G
206H
206I
206J

FIG. 2

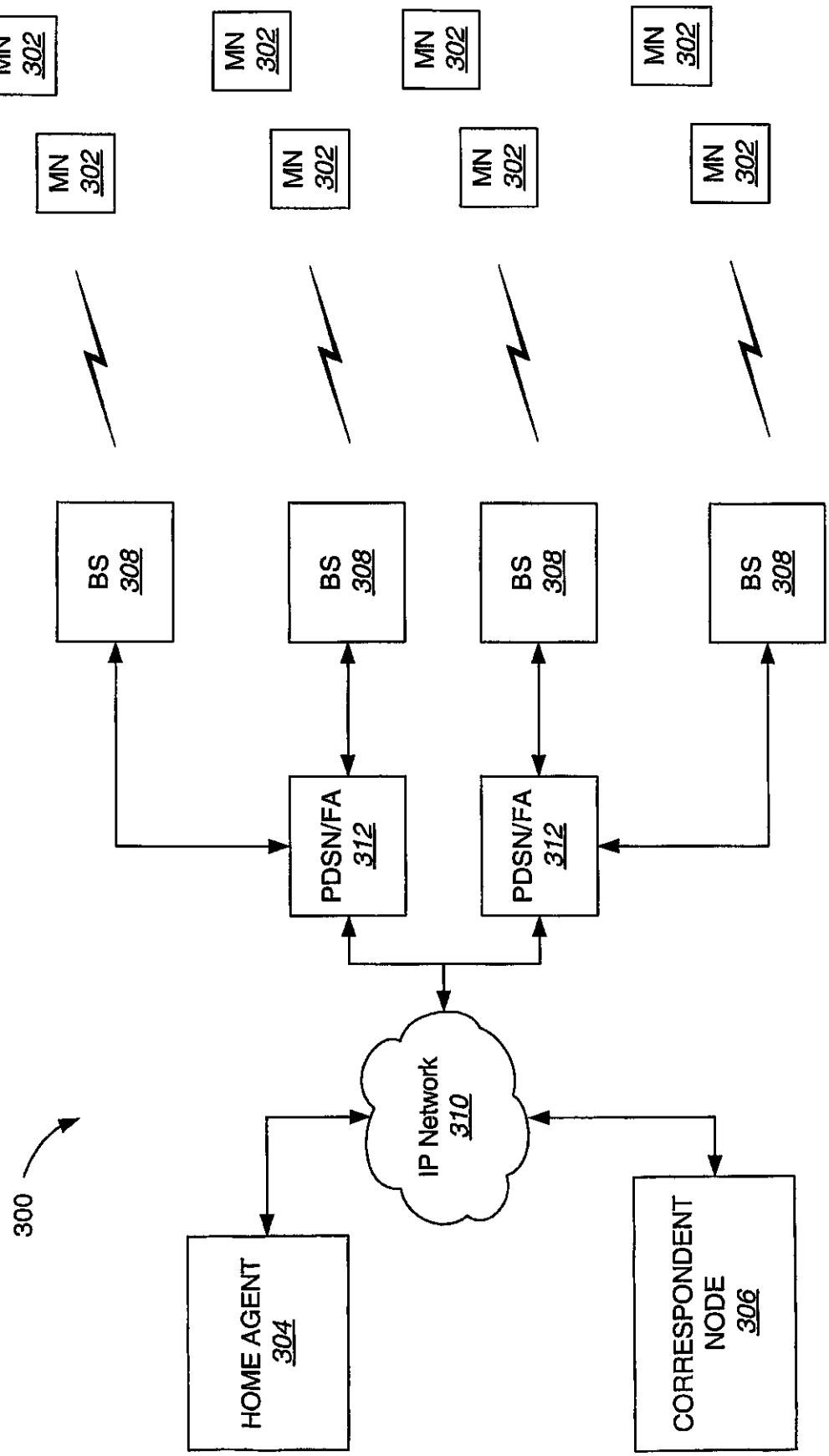

MN 302
MN 302
MN 302
MN 302
MN 302
MN 302
MN 302
MN 302
BS 308
BS 308
BS 308
BS 308
PDSN/FA 312
PDSN/FA 312
IP Network 310
HOME AGENT 304
CORRESPONDENT NODE 306
300

FIG. 3

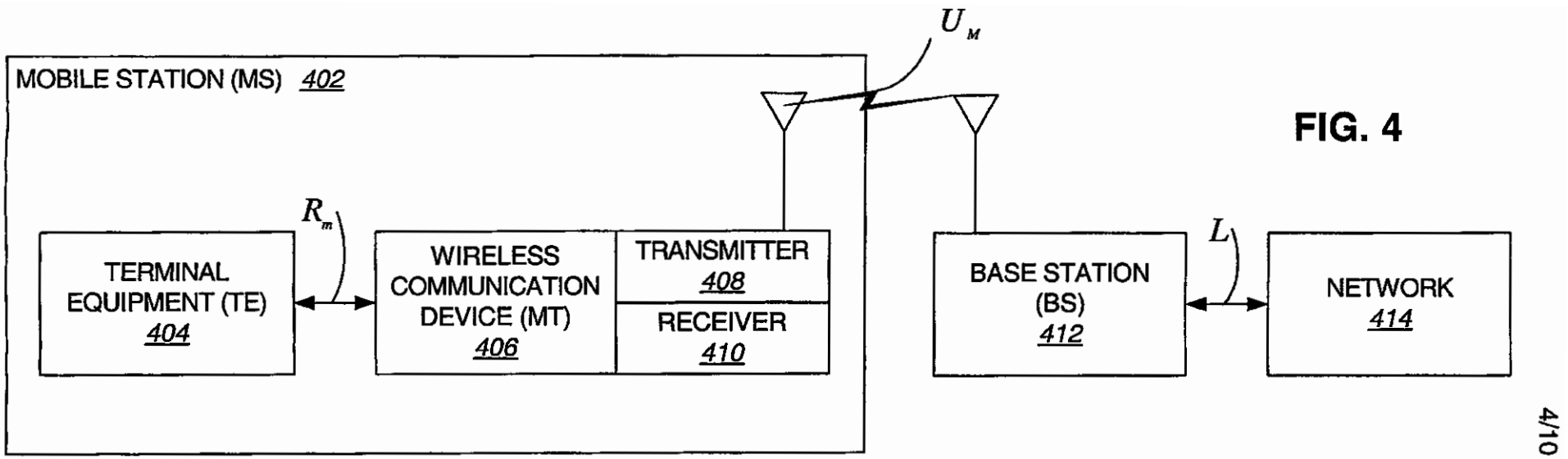

MOBILE STATION (MS) 402
U_M
R_m
TERMINAL EQUIPMENT (TE) 404
WIRELESS COMMUNICATION DEVICE (MT) 406
TRANSMITTER 408
RECEIVER 410
BASE STATION (BS) 412
L
NETWORK 414

FIG. 4

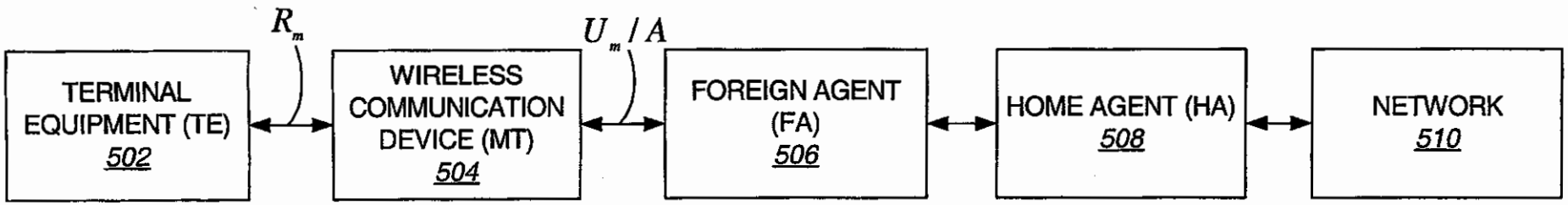
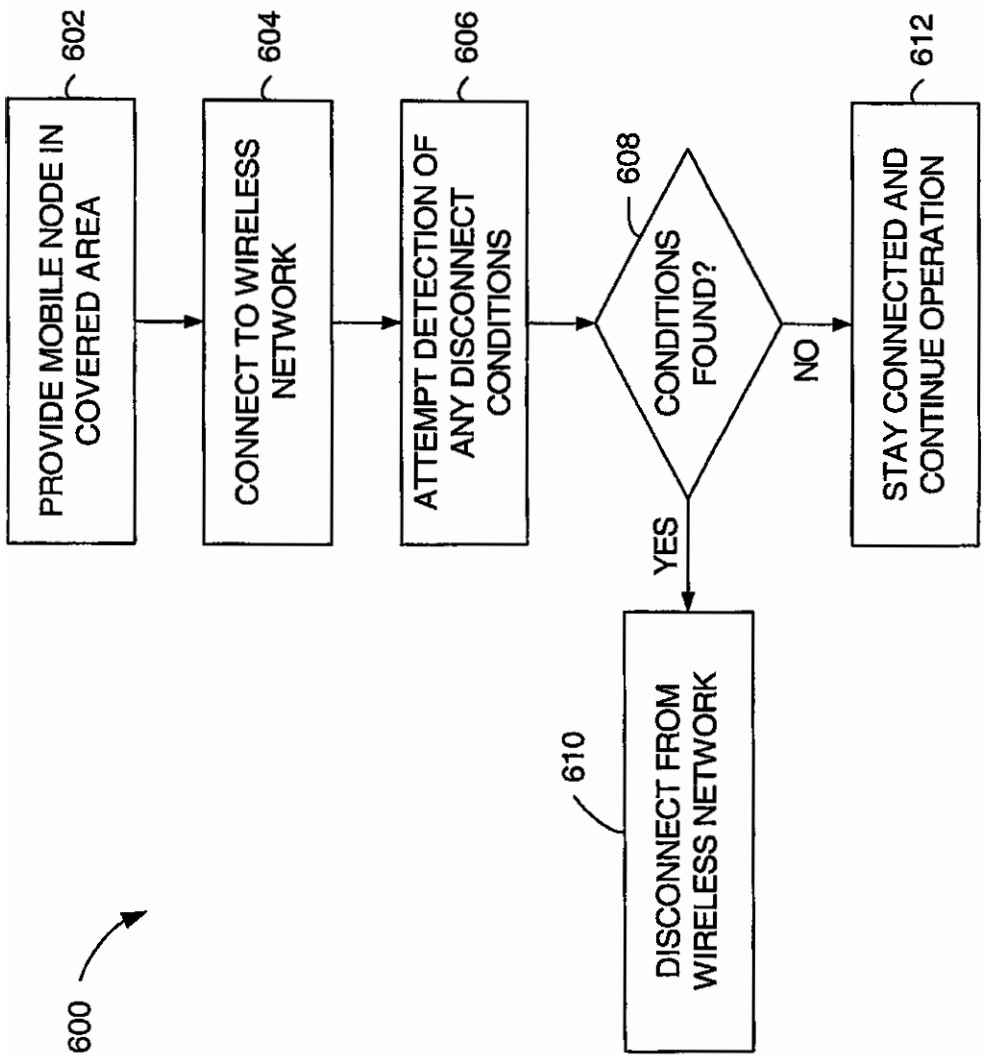

R_m
U_m / A
TERMINAL EQUIPMENT (TE) 502
WIRELESS COMMUNICATION DEVICE (MT) 504
FOREIGN AGENT (FA) 506
HOME AGENT (HA) 508
NETWORK 510

FIG. 5

FIG. 6


600
PROVIDE MOBILE NODE IN COVERED AREA
602
CONNECT TO WIRELESS NETWORK
604
ATTEMPT DETECTION OF ANY DISCONNECT CONDITIONS
606
CONDITIONS FOUND?
608
YES
NO
DISCONNECT FROM WIRELESS NETWORK
610
STAY CONNECTED AND CONTINUE OPERATION
612

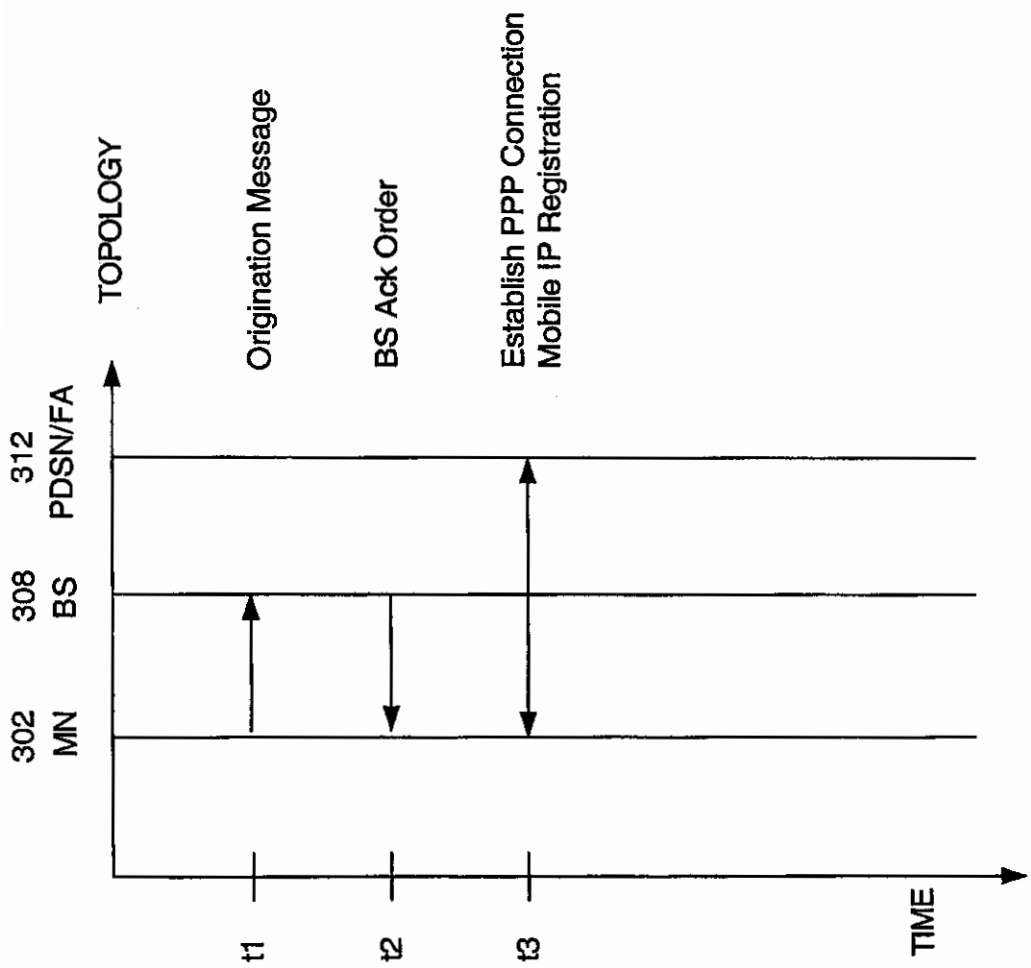

302
MN
308
BS
312
PDSN/FA
TOPOLOGY
Origination Message
BS Ack Order
Establish PPP Connection
Mobile IP Registration
t1
t2
t3
TIME

FIG. 7

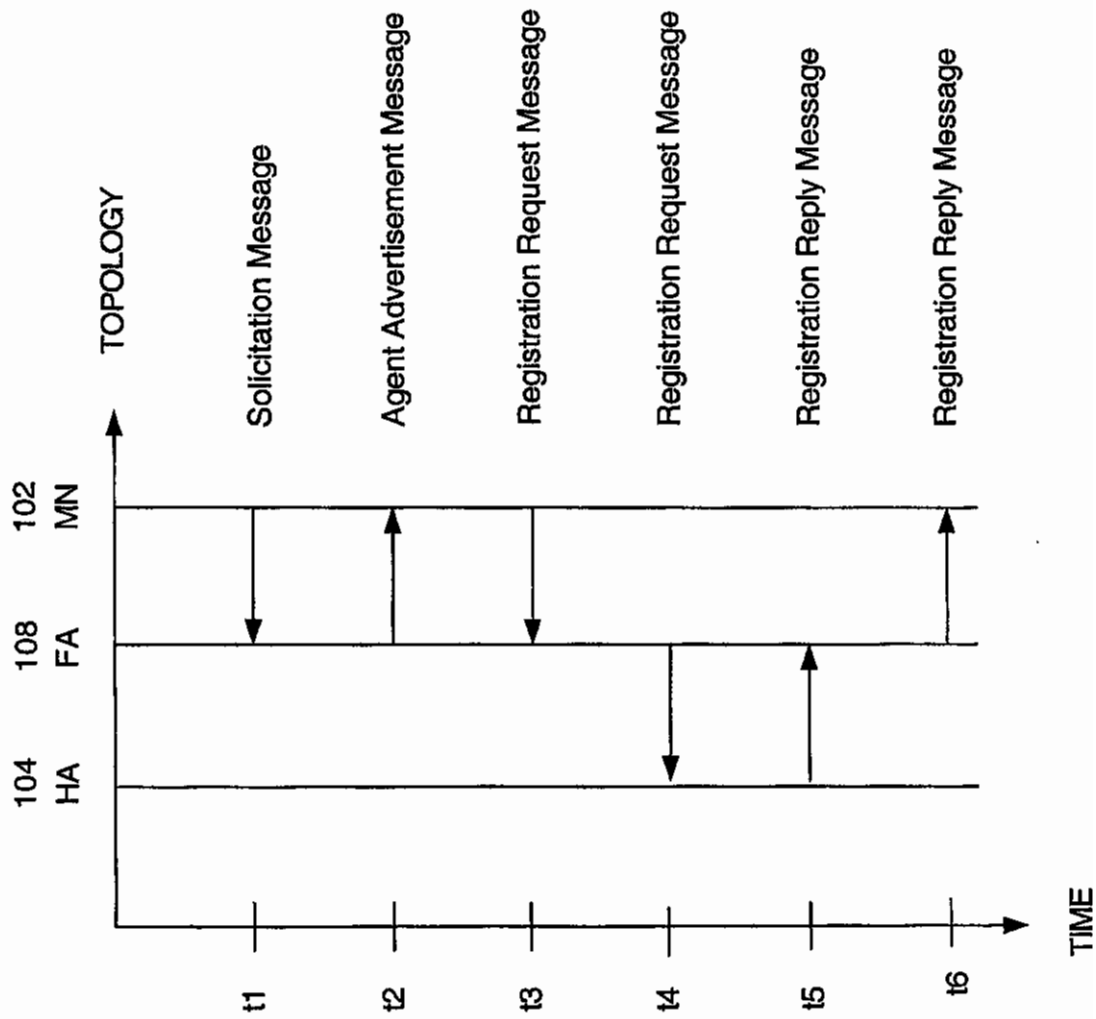
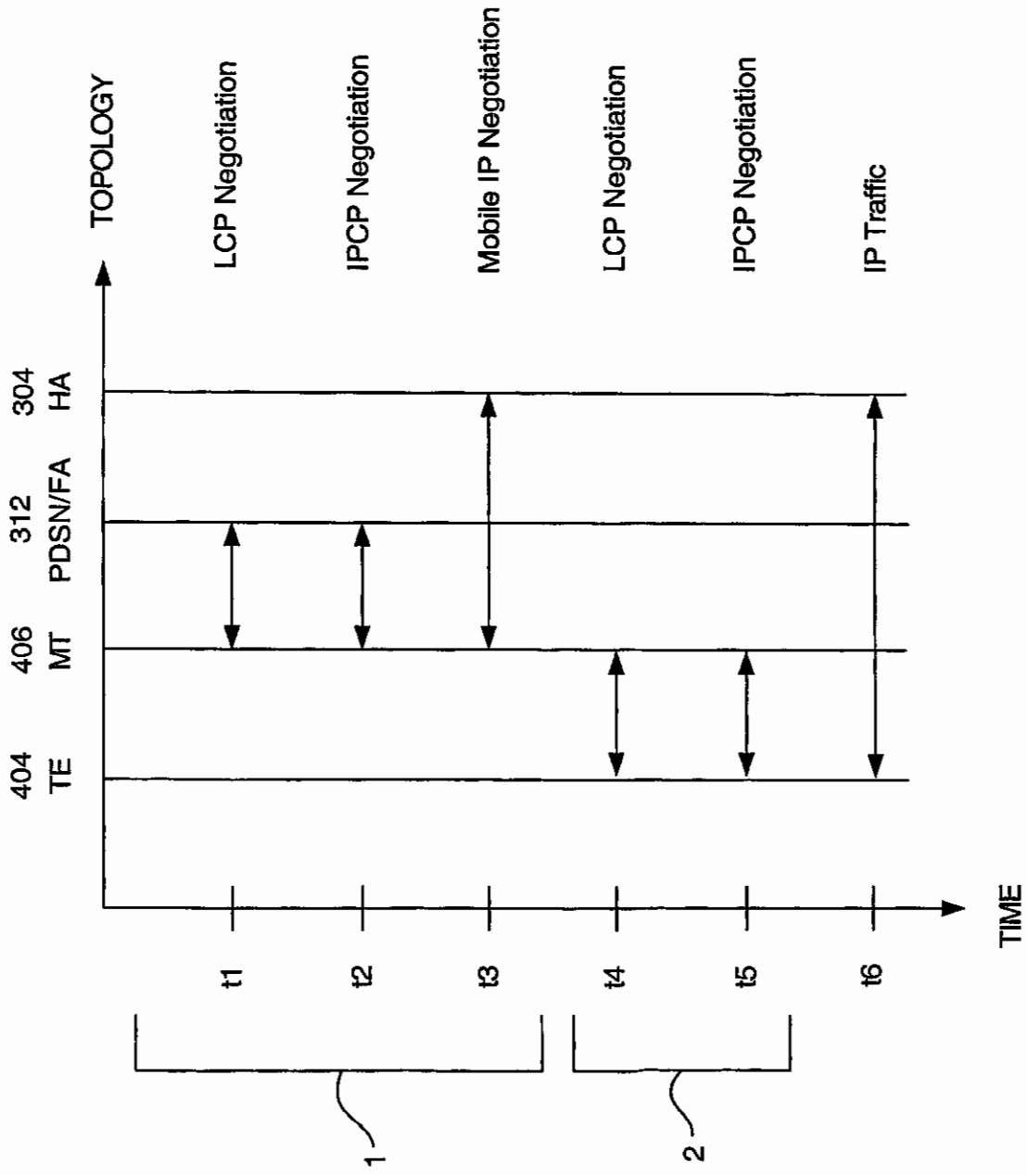

TOPOLOGY
102 MN
108 FA
104 HA
Solicitation Message
Agent Advertisement Message
Registration Request Message
Registration Request Message
Registration Reply Message
Registration Reply Message
t1
t2
t3
t4
t5
t6
TIME

FIG. 8

FIG. 9


TOPOLOGY
LCP Negotiation
IPCP Negotiation
Mobile IP Negotiation
LCP Negotiation
IPCP Negotiation
IP Traffic
404 TE
406 MT
312 PDSN/FA
304 HA
t1
t2
t3
t4
t5
t6
TIME
1
2

DISCONNECT CONDITIONS:

A: Before or during origination the protocol revision support by the wireless network is less than PREV 6.

B: During LCP negotiation authentication is required by the wireless network.

C: During IPCP negotiation the wireless network sends a config-not-acknowledge comprising an IP address option.

D: During mobile IP registration and before the registration request message is sent, no agent advertisement message is received by the mobile node in response to an agent solicitation message.

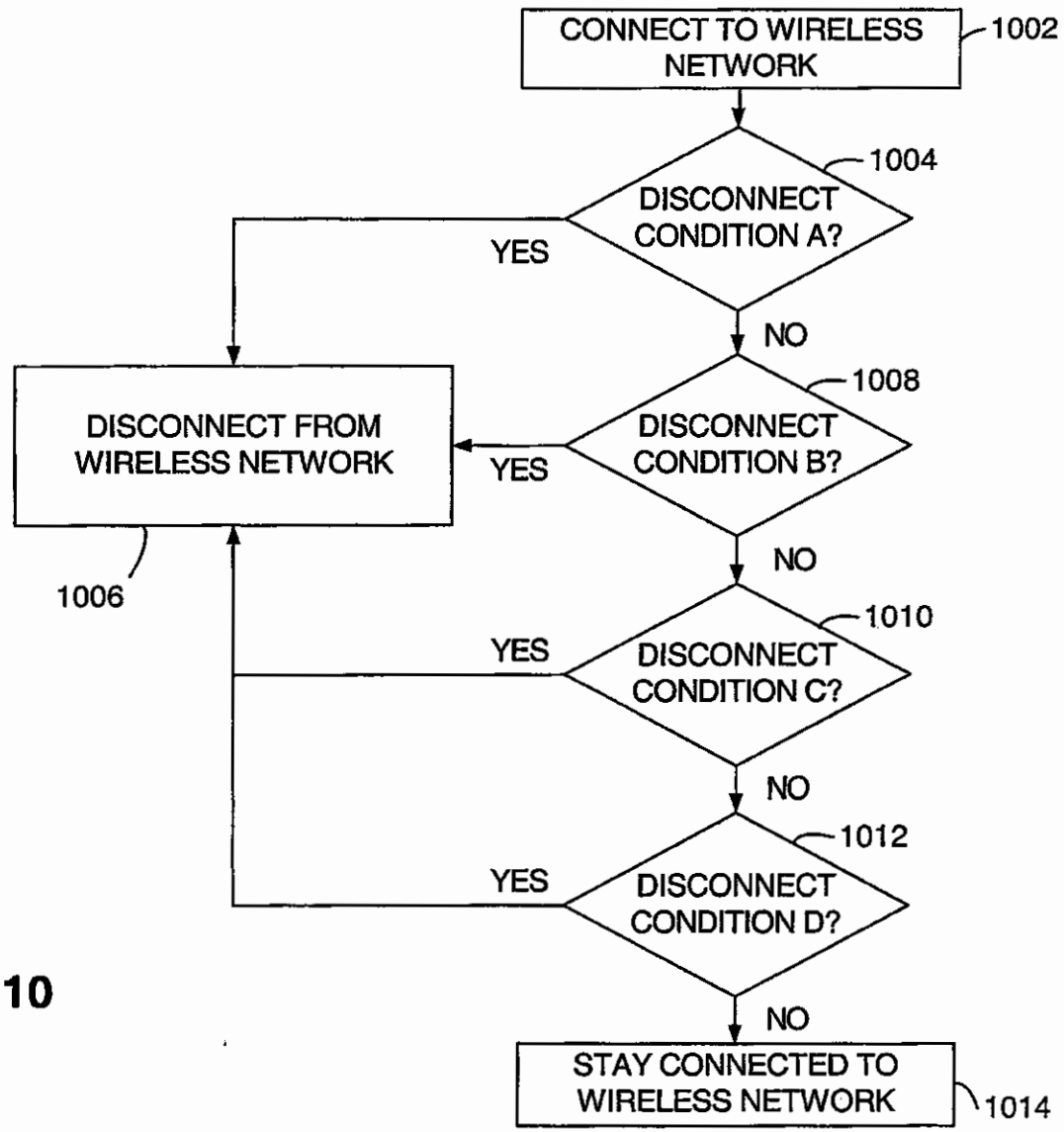
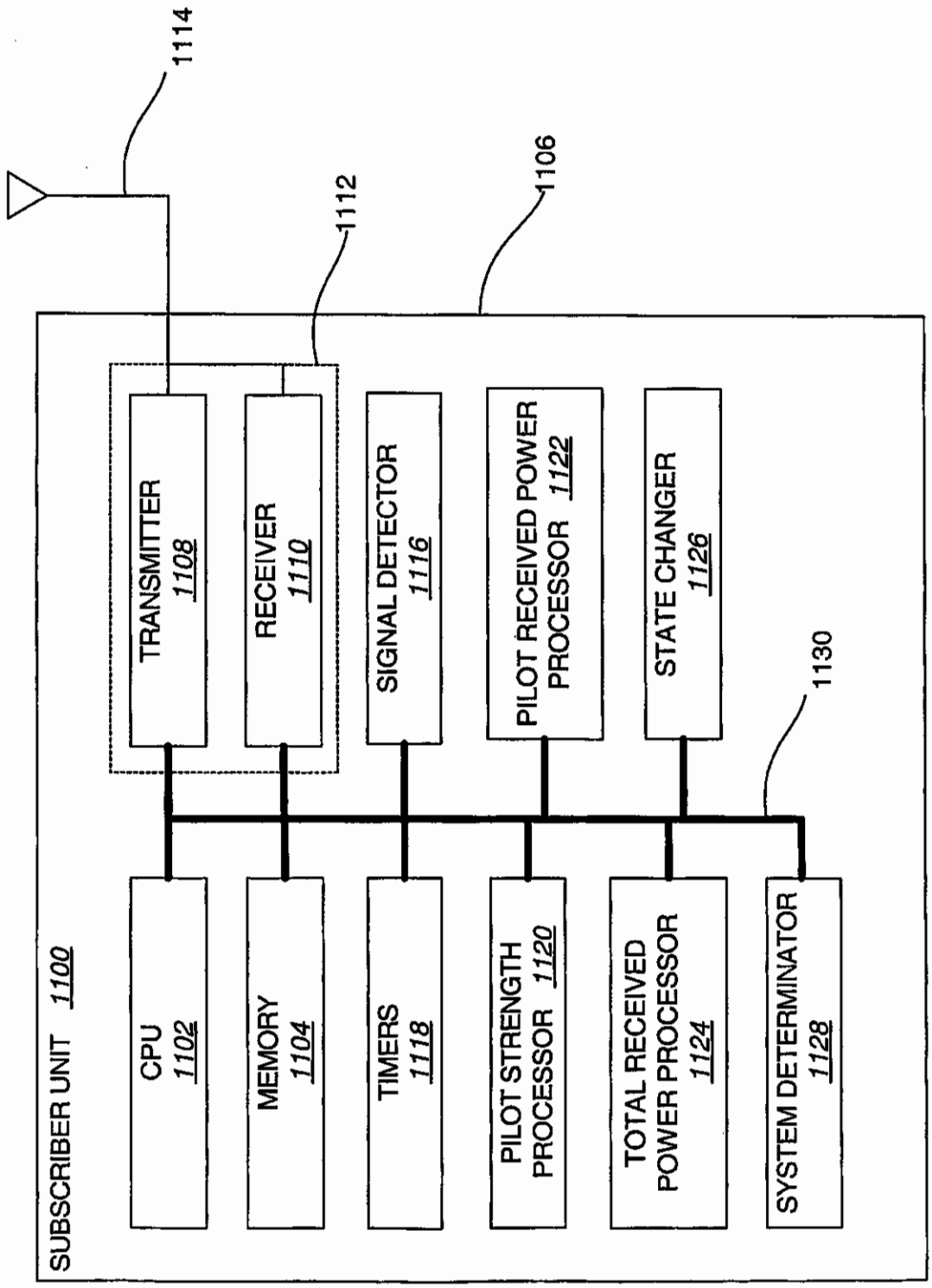


FIG. 10

FIG. 11


1114
1112
1106
SUBSCRIBER UNIT 1100
CPU 1102
MEMORY 1104
TIMERS 1118
PILOT STRENGTH PROCESSOR 1120
TOTAL RECEIVED POWER PROCESSOR 1124
SYSTEM DETERMINATOR 1128
TRANSMITTER 1108
RECEIVER 1110
SIGNAL DETECTOR 1116
PILOT RECEIVED POWER PROCESSOR 1122
STATE CHANGER 1126
1130