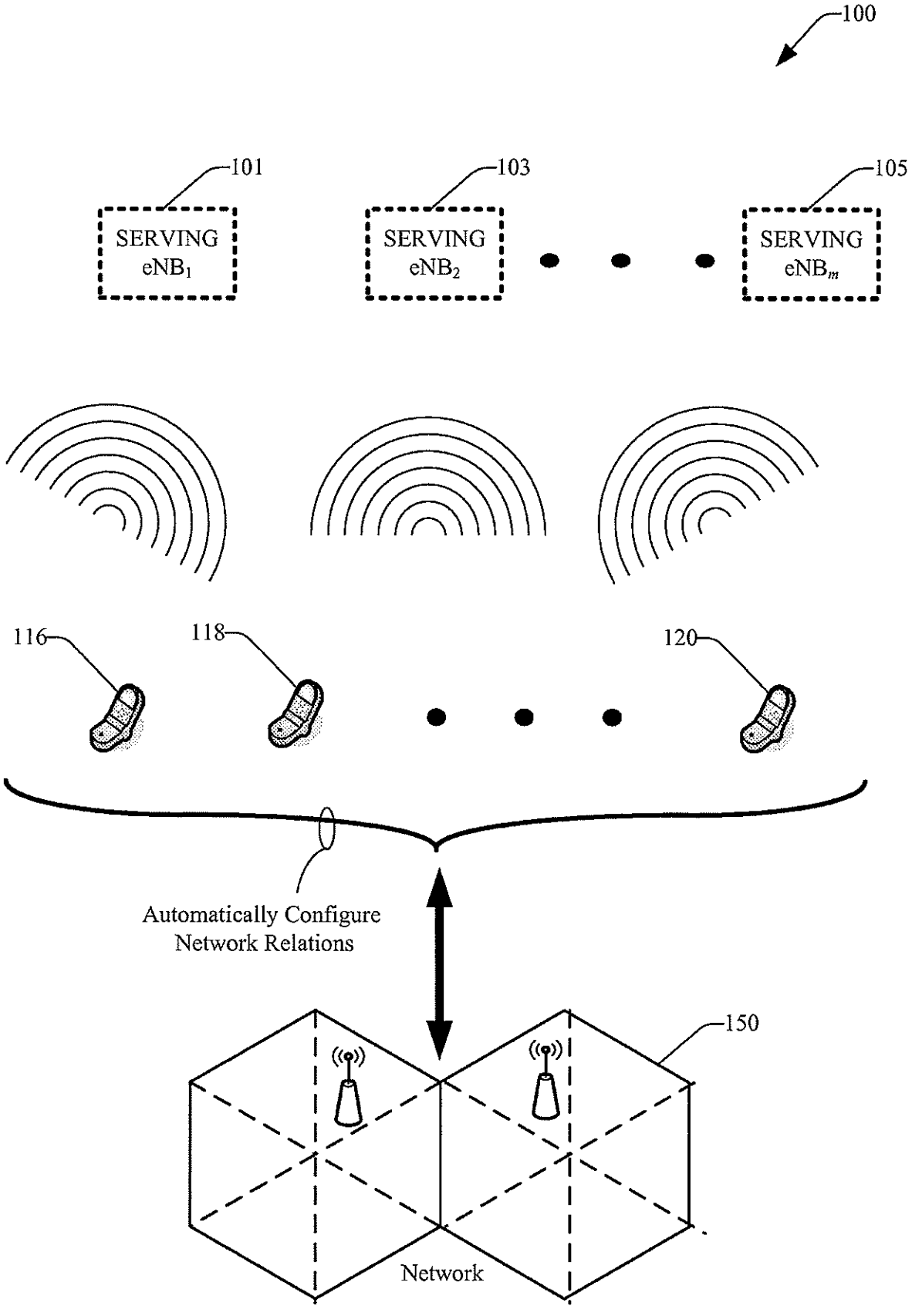

100
101
103
105
SERVING eNB1
SERVING eNB2
SERVING eNBm
116
118
120
Automatically Configure Network Relations
150
Network

FIG. 1

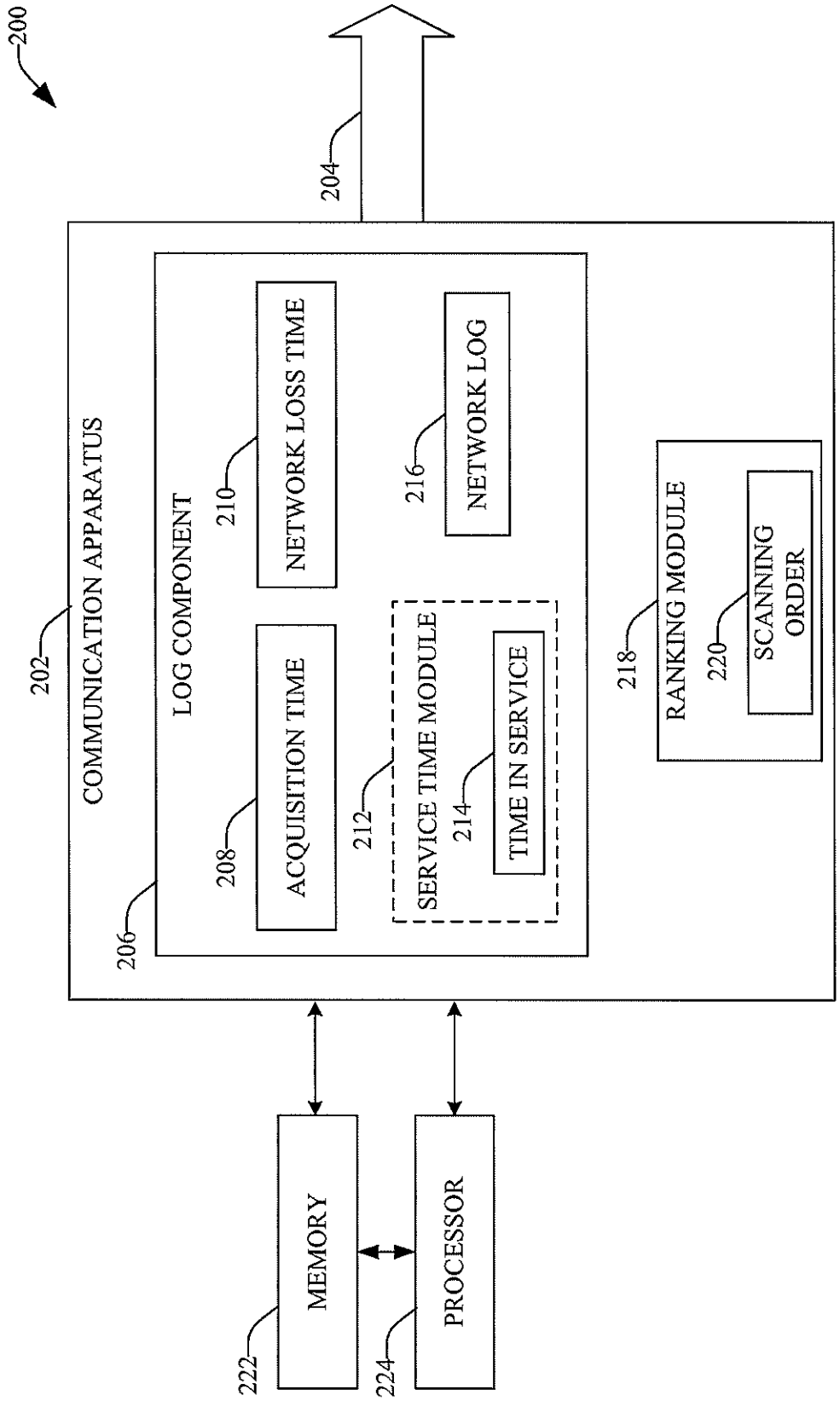

200
204
COMMUNICATION APPARATUS
202
LOG COMPONENT
206
NETWORK LOSS TIME
210
ACQUISITION TIME
208
SERVICE TIME MODULE
212
TIME IN SERVICE
214
NETWORK LOG
216
RANKING MODULE
218
SCANNING ORDER
220
MEMORY
222
PROCESSOR
224

FIG. 2

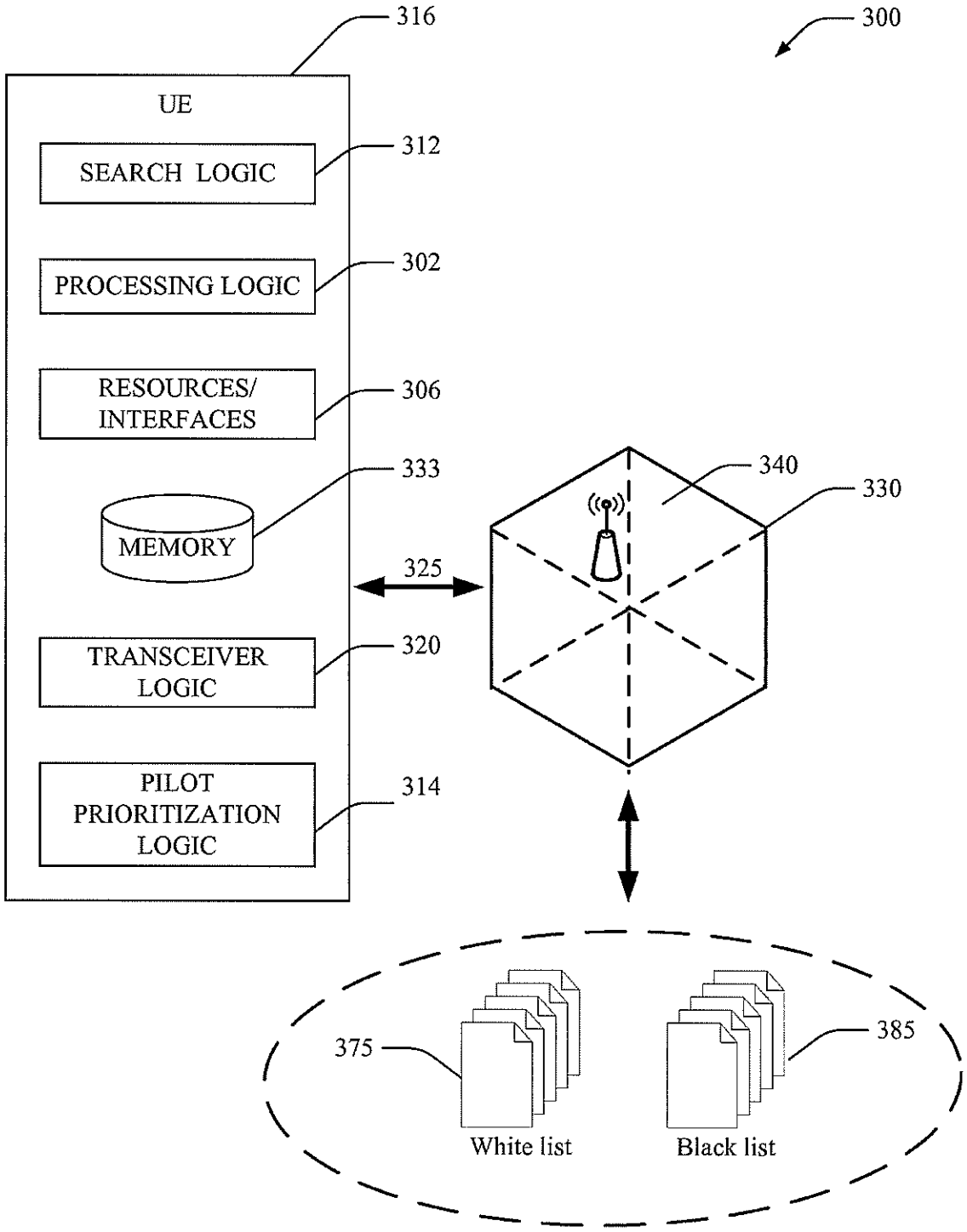

316
300
UE
SEARCH LOGIC
312
PROCESSING LOGIC
302
RESOURCES/
INTERFACES
306
333
MEMORY
340
330
325
TRANSCEIVER
LOGIC
320
PILOT
PRIORITIZATION
LOGIC
314
375
385
White list
Black list

FIG. 3

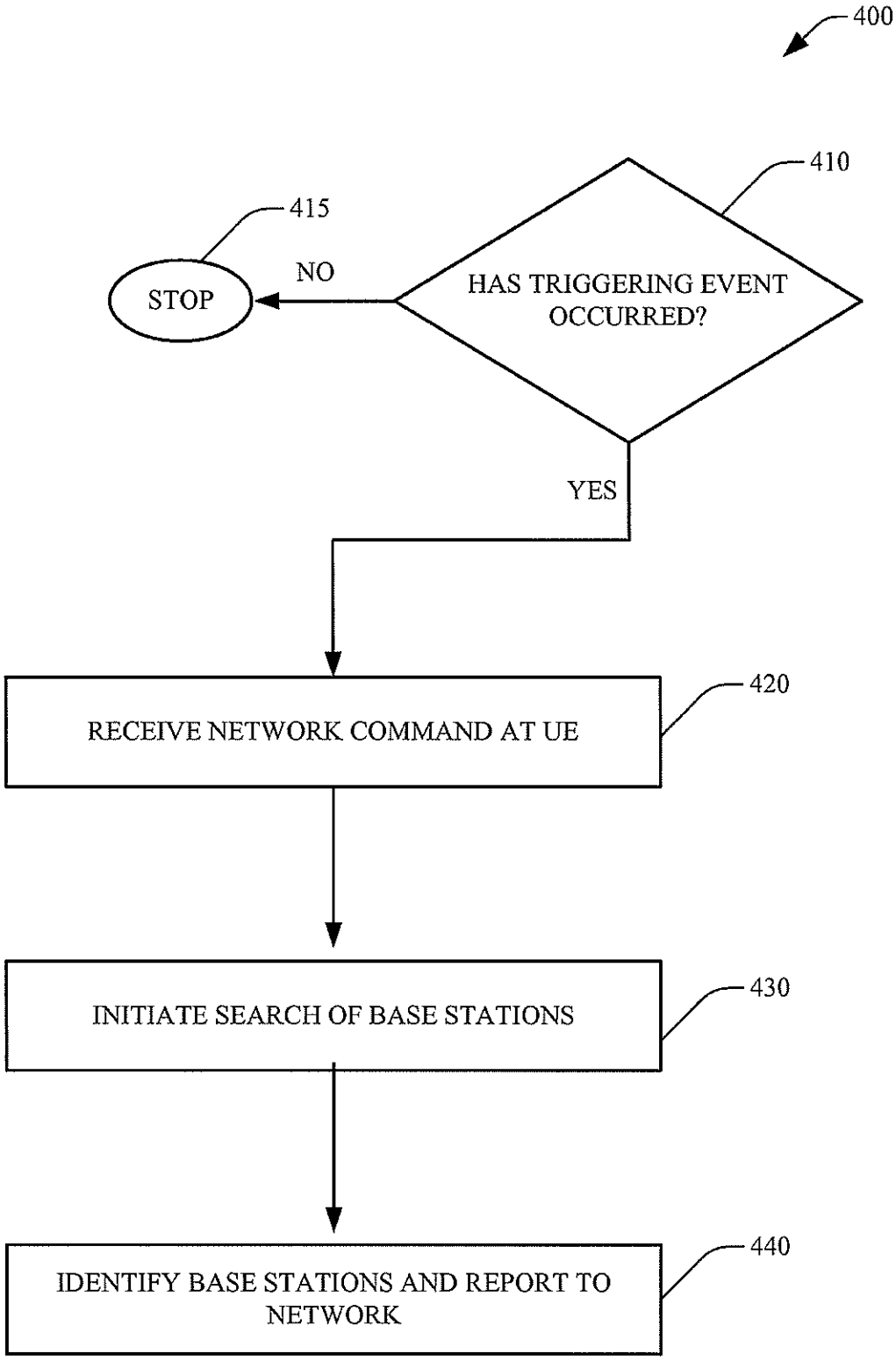

400
410
HAS TRIGGERING EVENT OCCURRED?
NO
415
STOP
YES
420
RECEIVE NETWORK COMMAND AT UE
430
INITIATE SEARCH OF BASE STATIONS
440
IDENTIFY BASE STATIONS AND REPORT TO NETWORK

FIG. 4

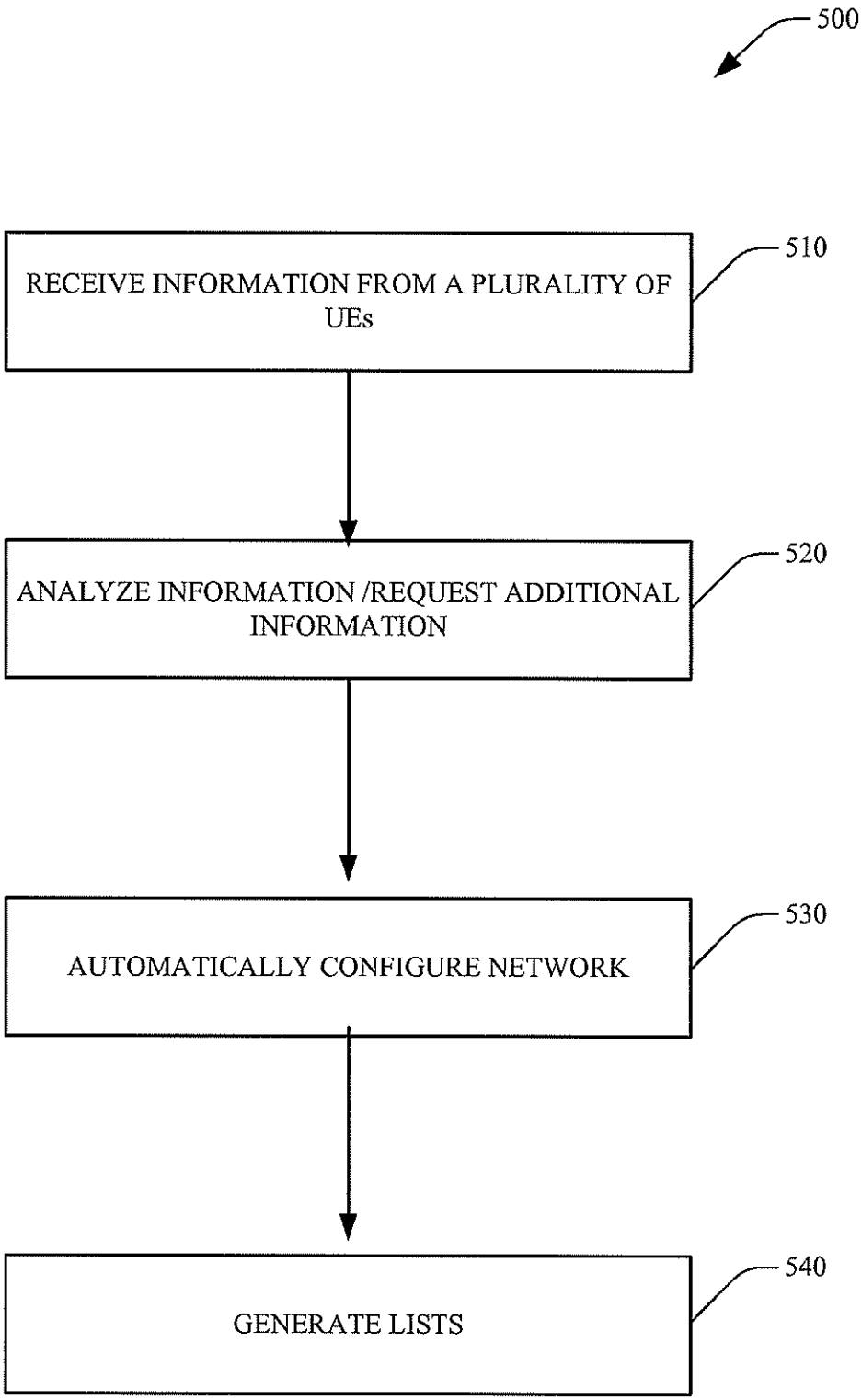

500
RECEIVE INFORMATION FROM A PLURALITY OF UEs
510
ANALYZE INFORMATION /REQUEST ADDITIONAL INFORMATION
520
AUTOMATICALLY CONFIGURE NETWORK
530
GENERATE LISTS
540

FIG. 5

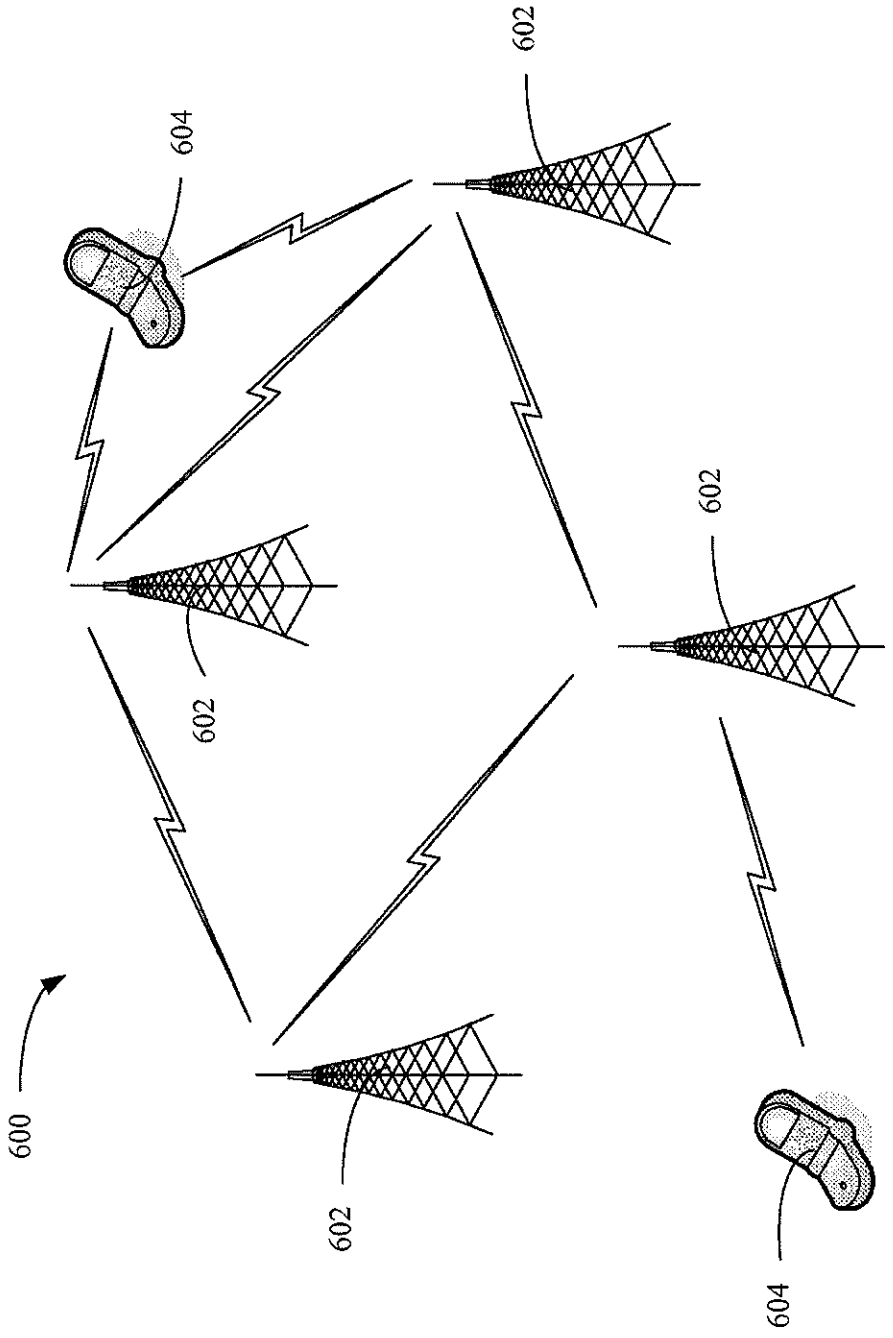


FIG. 6

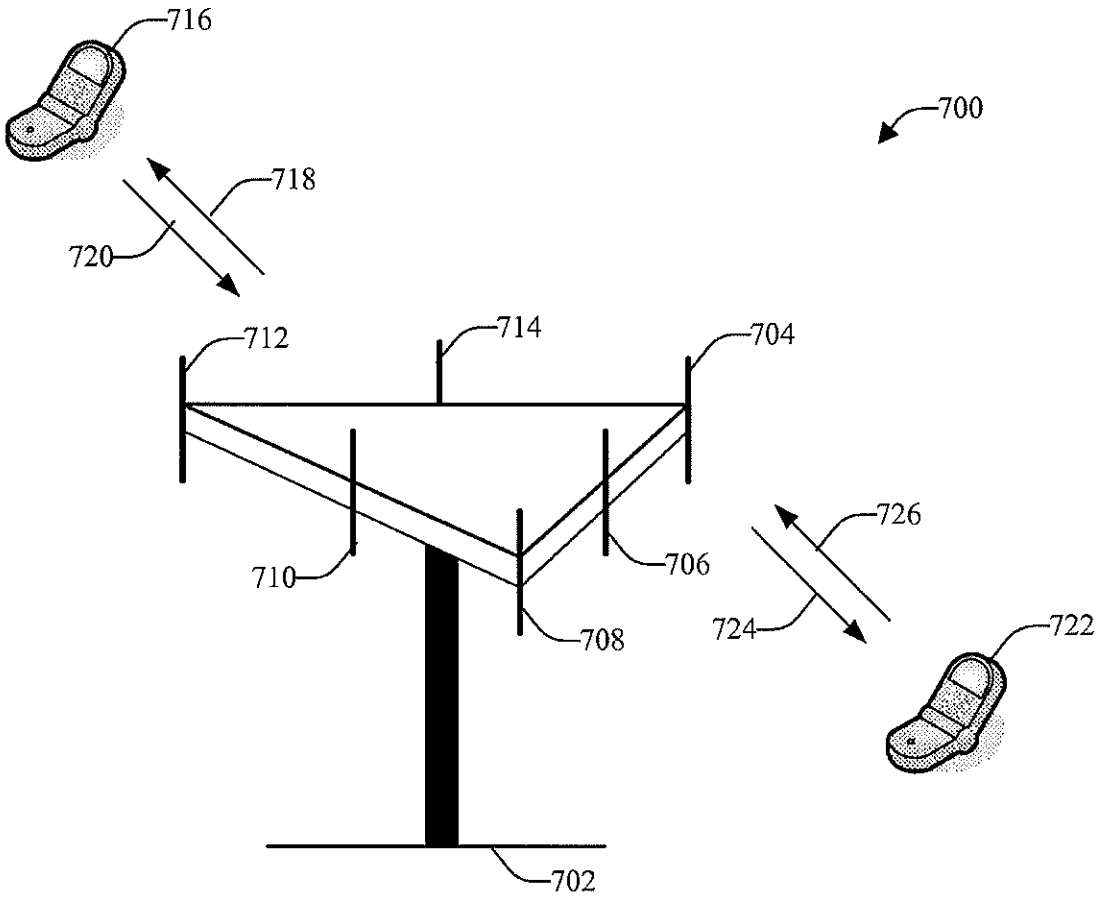


FIG. 7

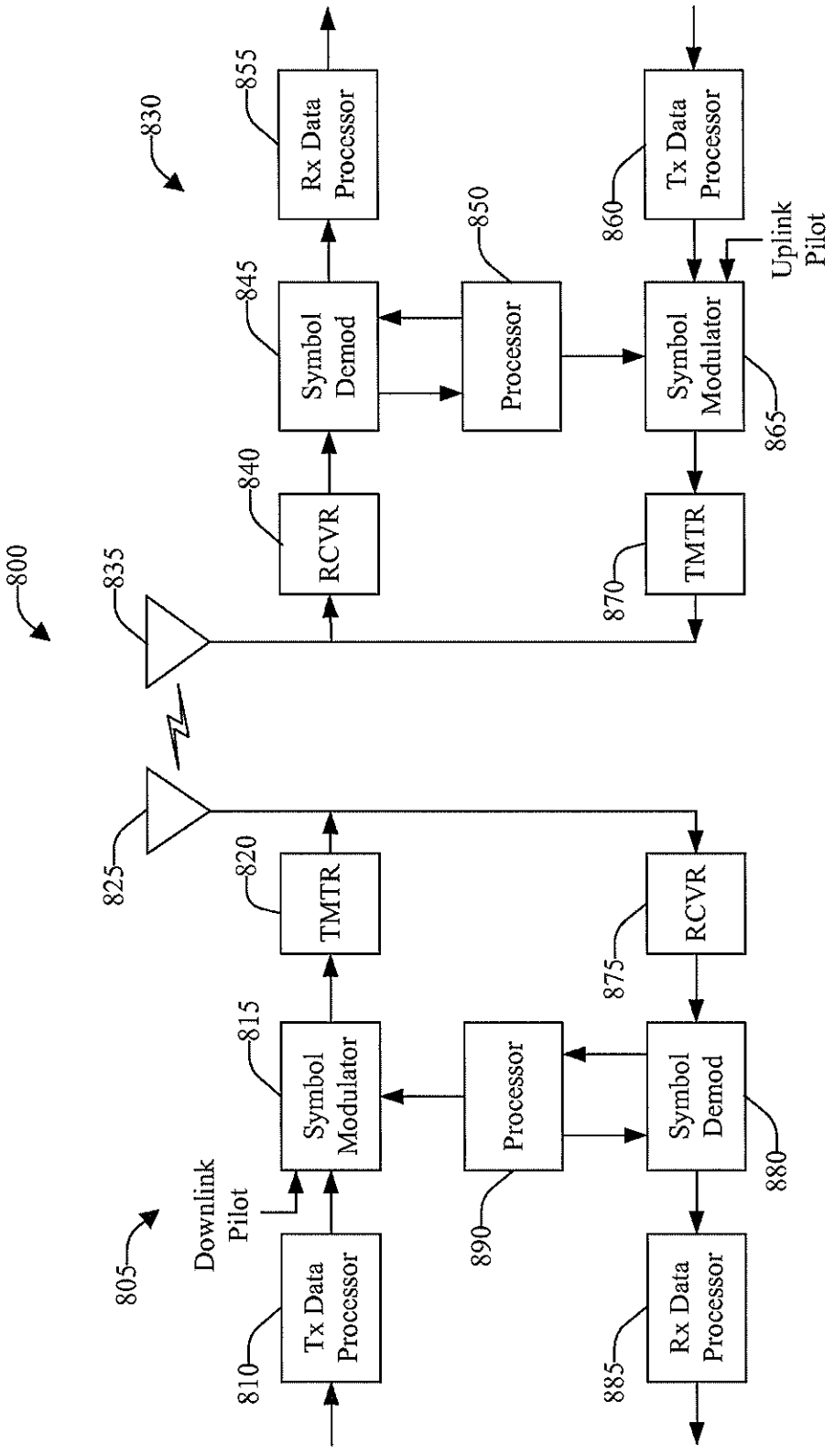

800
805
810
Tx Data Processor
Downlink Pilot
815
Symbol Modulator
820
TMTR
825
835
840
RCVR
845
Symbol Demod
Rx Data Processor
855
830
850
Processor
860
Tx Data Processor
Uplink Pilot
865
Symbol Modulator
870
TMTR
875
RCVR
880
Symbol Demod
885
Rx Data Processor
890
Processor

FIG. 8

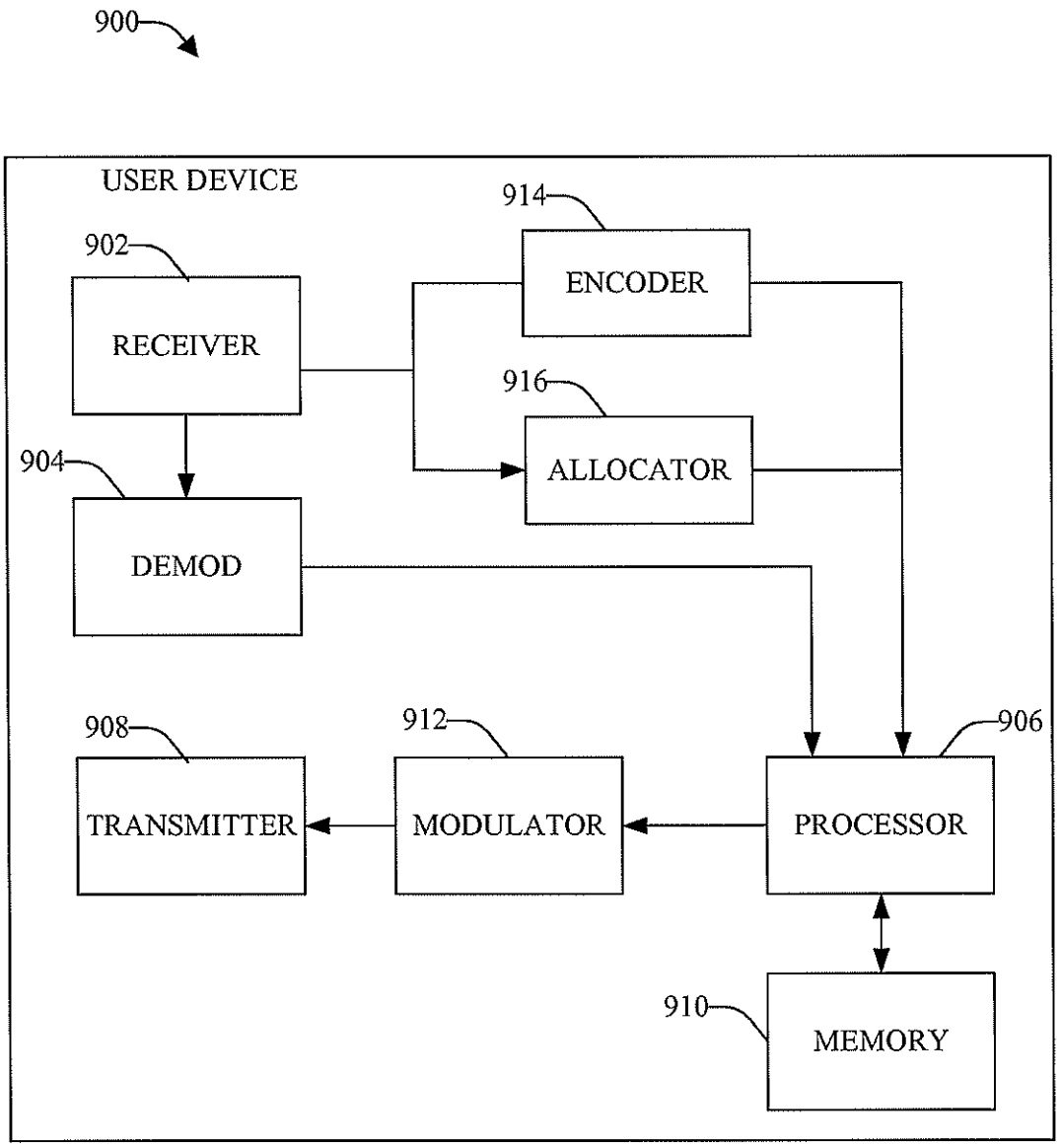

900
USER DEVICE
914
ENCODER
902
RECEIVER
916
ALLOCATOR
904
DEMOD
908
TRANSMITTER
912
MODULATOR
906
PROCESSOR
910
MEMORY

FIG. 9

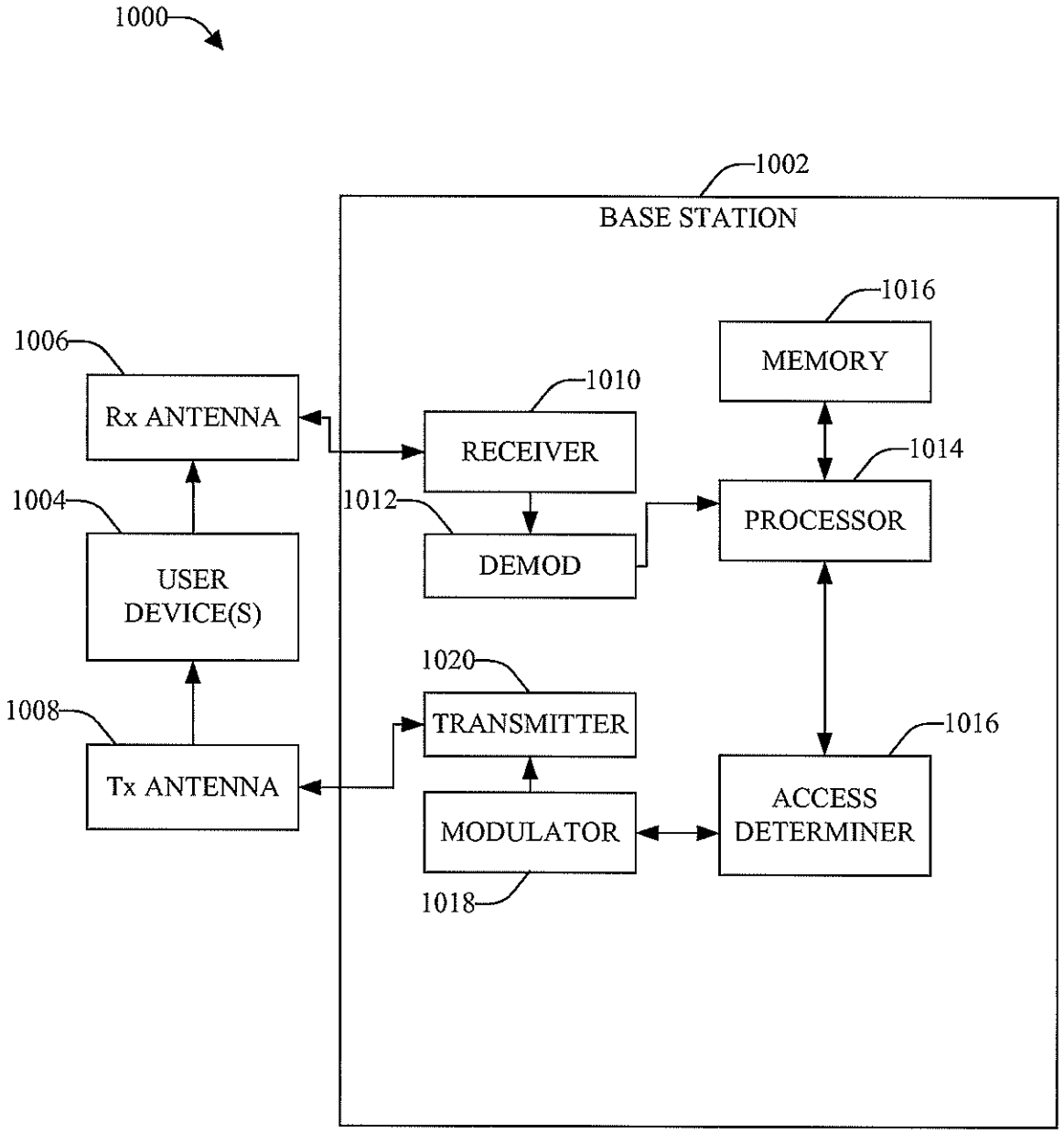

1000
1002
BASE STATION
1016
MEMORY
1006
Rx ANTENNA
1010
RECEIVER
1014
PROCESSOR
1004
USER DEVICE(S)
1012
DEMOD
1020
TRANSMITTER
1008
Tx ANTENNA
1016
ACCESS DETERMINER
MODULATOR
1018

FIG. 10

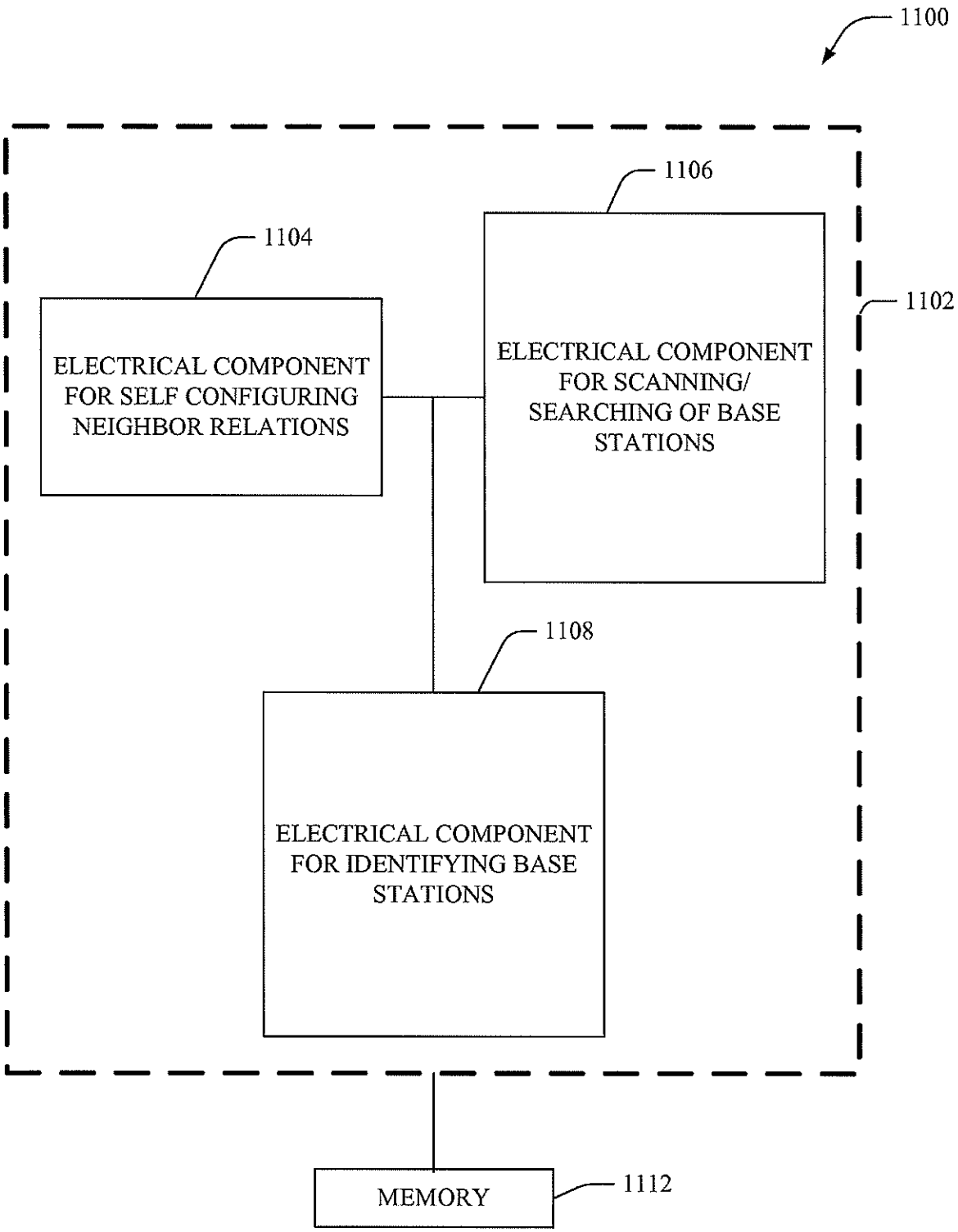

1100
1102
1104
ELECTRICAL COMPONENT FOR SELF CONFIGURING NEIGHBOR RELATIONS
1106
ELECTRICAL COMPONENT FOR SCANNING/ SEARCHING OF BASE STATIONS
1108
ELECTRICAL COMPONENT FOR IDENTIFYING BASE STATIONS
MEMORY
1112

FIG. 11