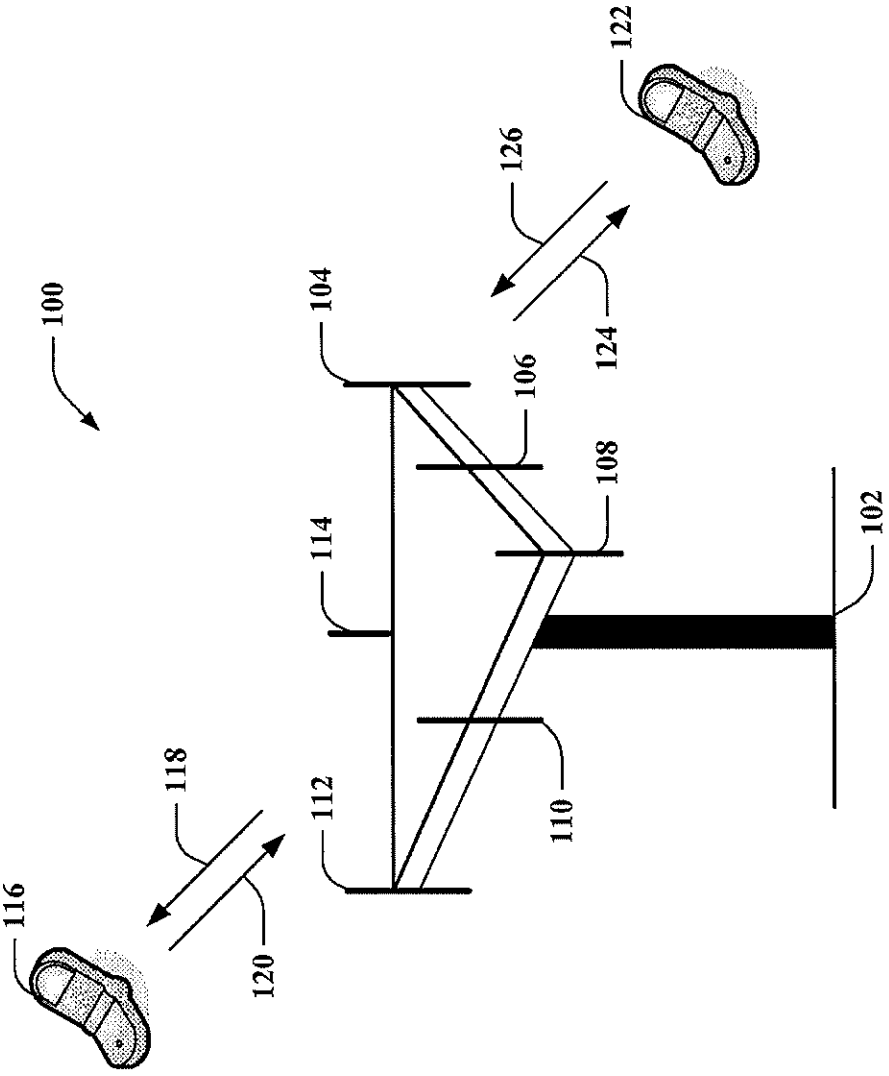


FIG. 1

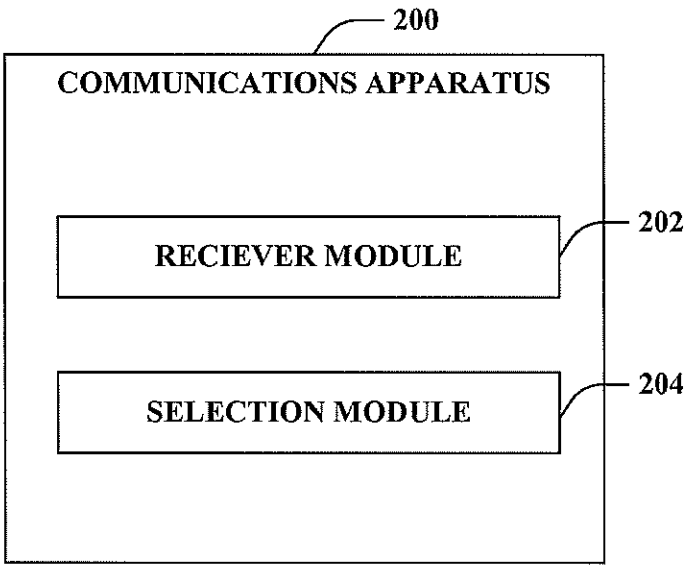

200
COMMUNICATIONS APPARATUS
RECIEVER MODULE
202
SELECTION MODULE
204

FIG. 2

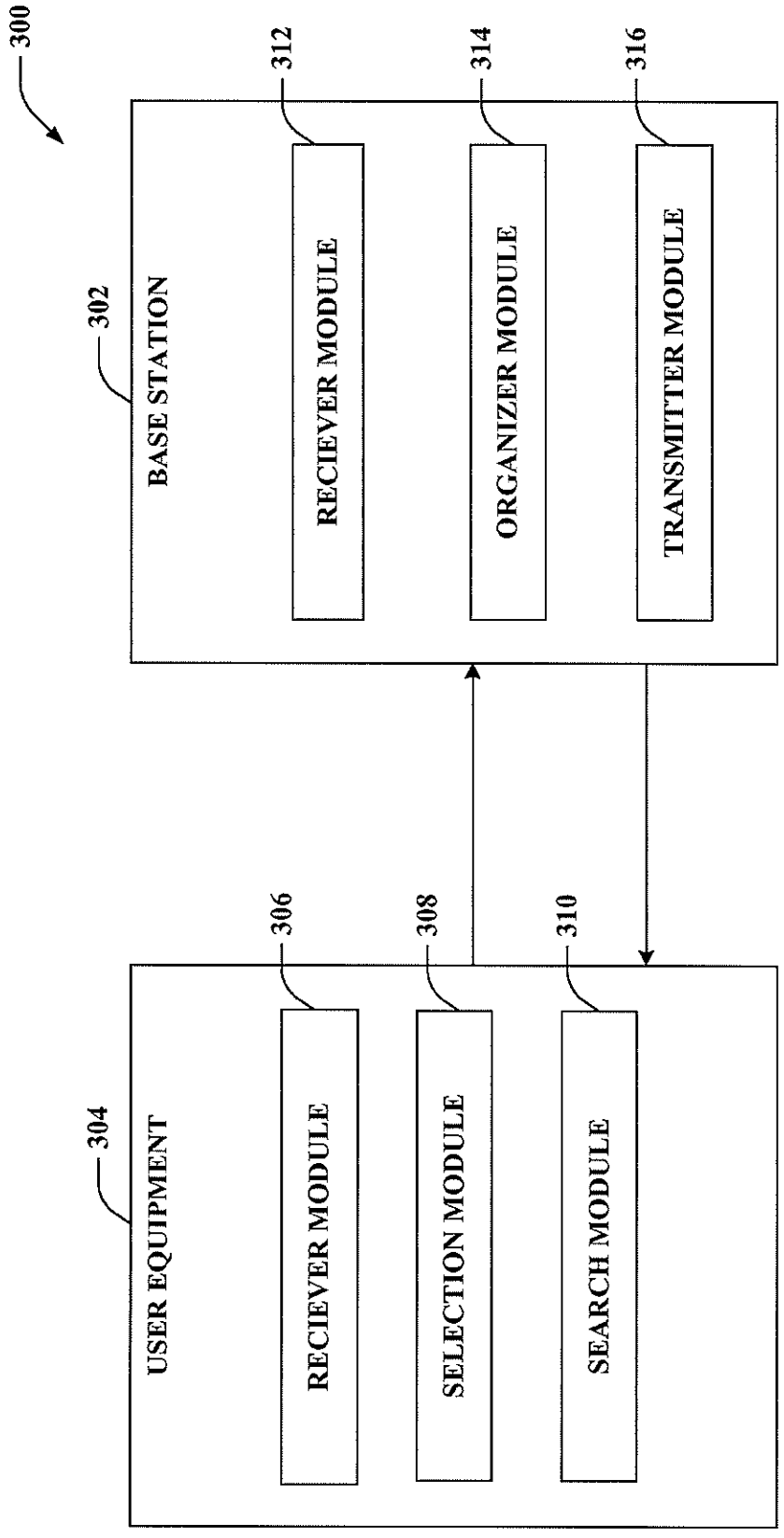

300
302
BASE STATION
312
RECIEVER MODULE
314
ORGANIZER MODULE
316
TRANSMITTER MODULE
304
USER EQUIPMENT
306
RECIEVER MODULE
308
SELECTION MODULE
310
SEARCH MODULE

FIG. 3

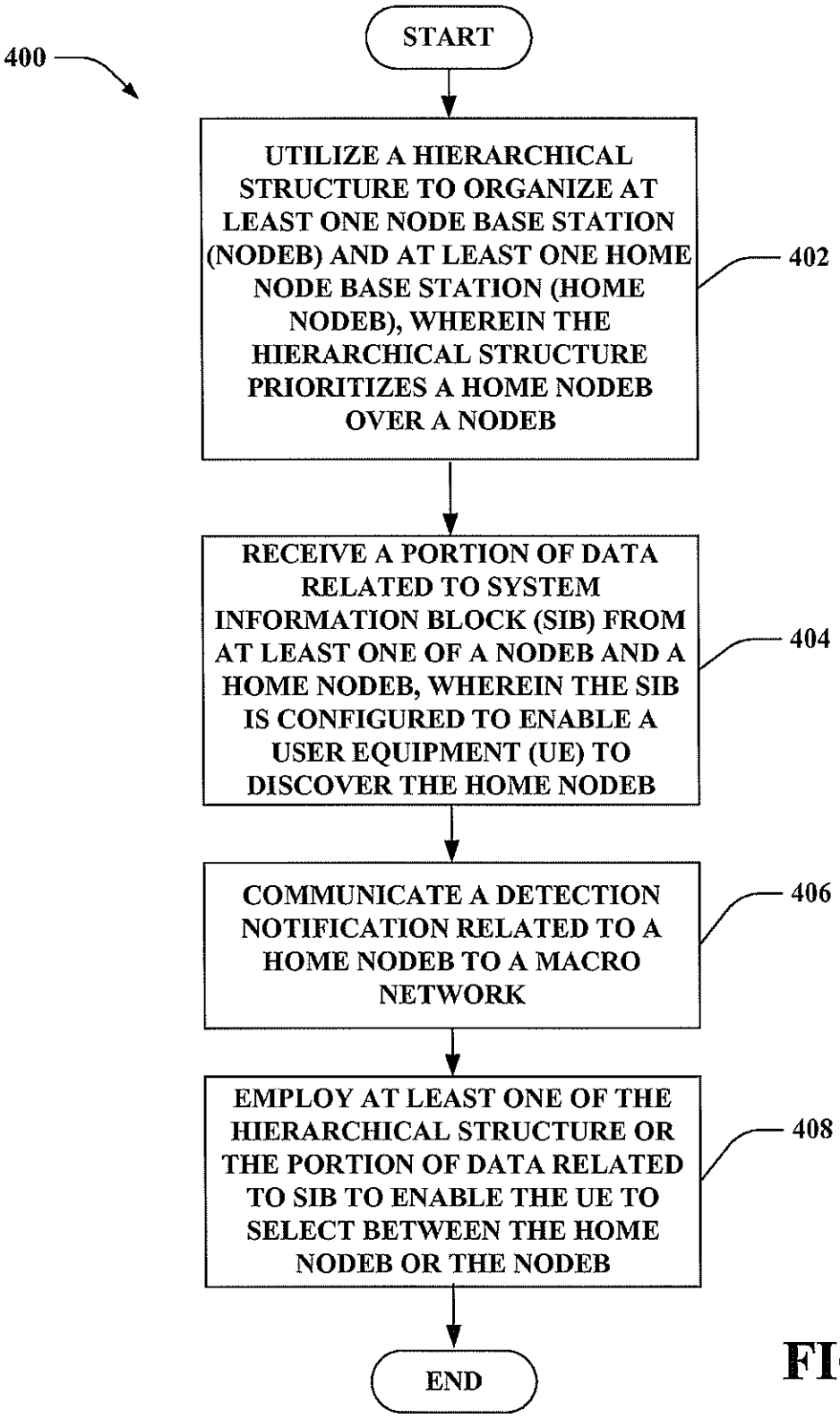

400
START
UTILIZE A HIERARCHICAL STRUCTURE TO ORGANIZE AT LEAST ONE NODE BASE STATION (NODEB) AND AT LEAST ONE HOME NODE BASE STATION (HOME NODEB), WHEREIN THE HIERARCHICAL STRUCTURE PRIORITIZES A HOME NODEB OVER A NODEB
402
RECEIVE A PORTION OF DATA RELATED TO SYSTEM INFORMATION BLOCK (SIB) FROM AT LEAST ONE OF A NODEB AND A HOME NODEB, WHEREIN THE SIB IS CONFIGURED TO ENABLE A USER EQUIPMENT (UE) TO DISCOVER THE HOME NODEB
404
COMMUNICATE A DETECTION NOTIFICATION RELATED TO A HOME NODEB TO A MACRO NETWORK
406
EMPLOY AT LEAST ONE OF THE HIERARCHICAL STRUCTURE OR THE PORTION OF DATA RELATED TO SIB TO ENABLE THE UE TO SELECT BETWEEN THE HOME NODEB OR THE NODEB
408
END

FIG. 4

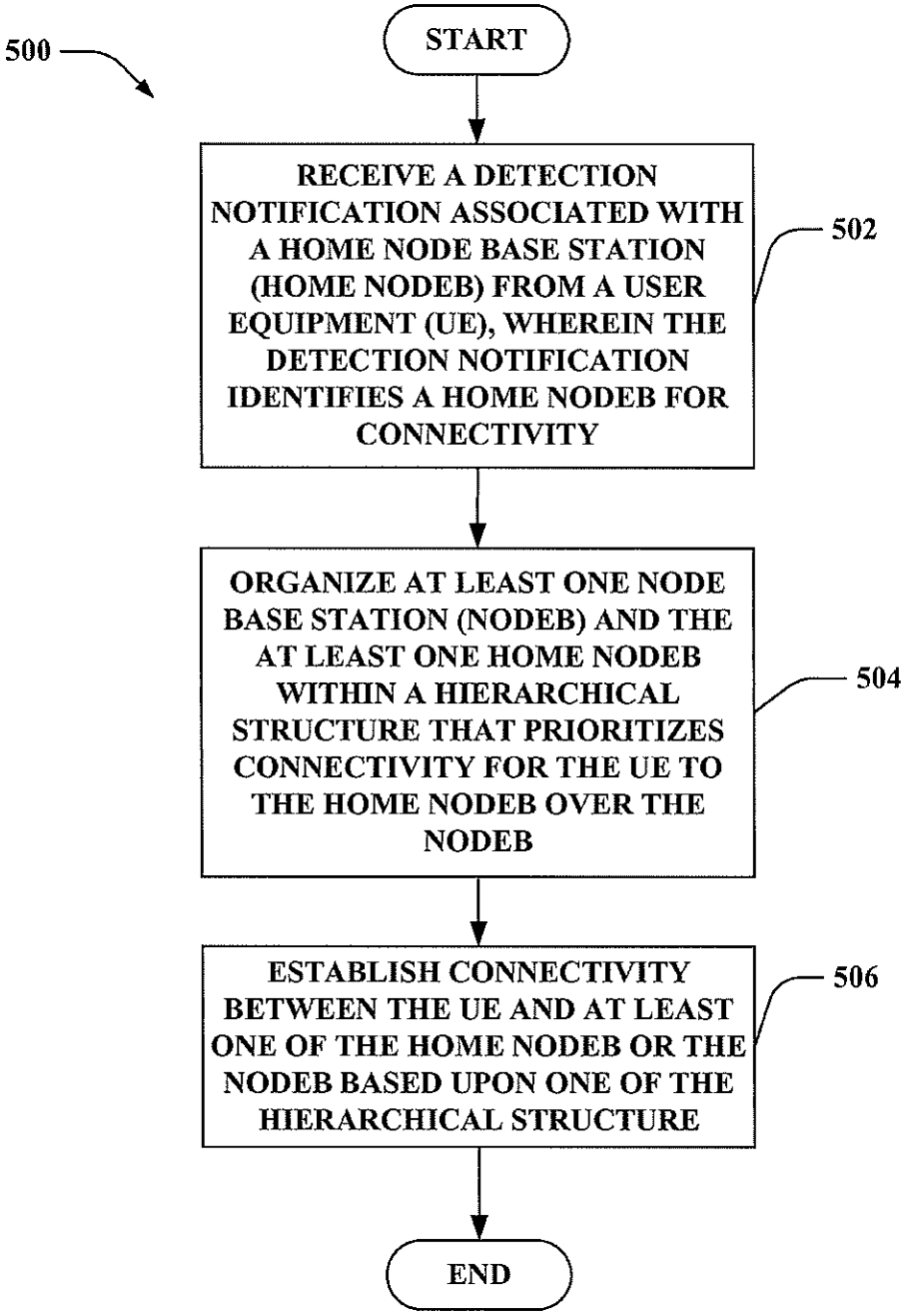

500
START
RECEIVE A DETECTION NOTIFICATION ASSOCIATED WITH A HOME NODE BASE STATION (HOME NODEB) FROM A USER EQUIPMENT (UE), WHEREIN THE DETECTION NOTIFICATION IDENTIFIES A HOME NODEB FOR CONNECTIVITY
502
ORGANIZE AT LEAST ONE NODE BASE STATION (NODEB) AND THE AT LEAST ONE HOME NODEB WITHIN A HIERARCHICAL STRUCTURE THAT PRIORITIZES CONNECTIVITY FOR THE UE TO THE HOME NODEB OVER THE NODEB
504
ESTABLISH CONNECTIVITY BETWEEN THE UE AND AT LEAST ONE OF THE HOME NODEB OR THE NODEB BASED UPON ONE OF THE HIERARCHICAL STRUCTURE
506
END

FIG. 5

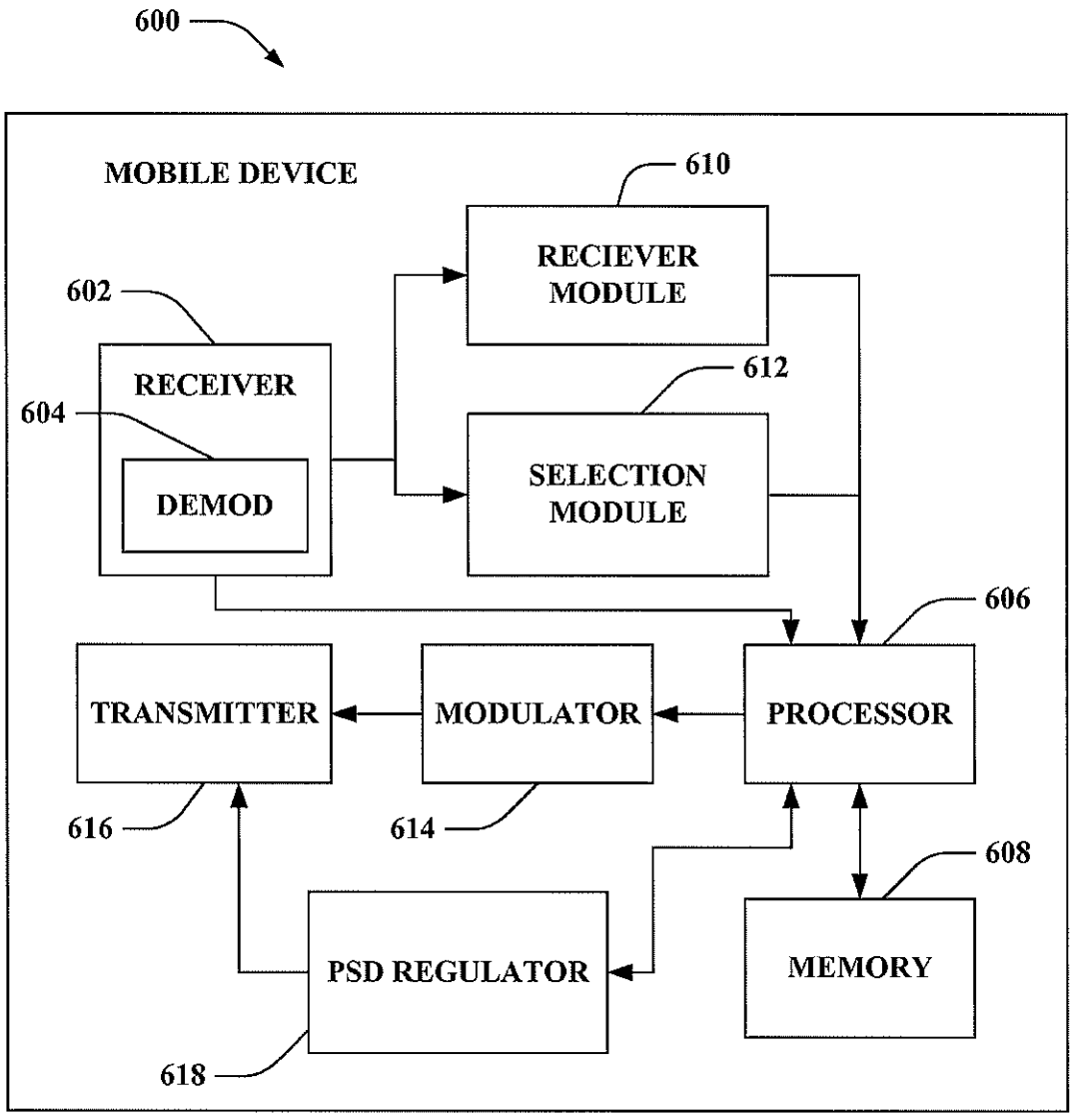

600
MOBILE DEVICE
610
RECIEVER MODULE
602
RECEIVER
604
DEMOD
612
SELECTION MODULE
606
TRANSMITTER
MODULATOR
PROCESSOR
616
614
608
PSD REGULATOR
MEMORY
618

FIG. 6

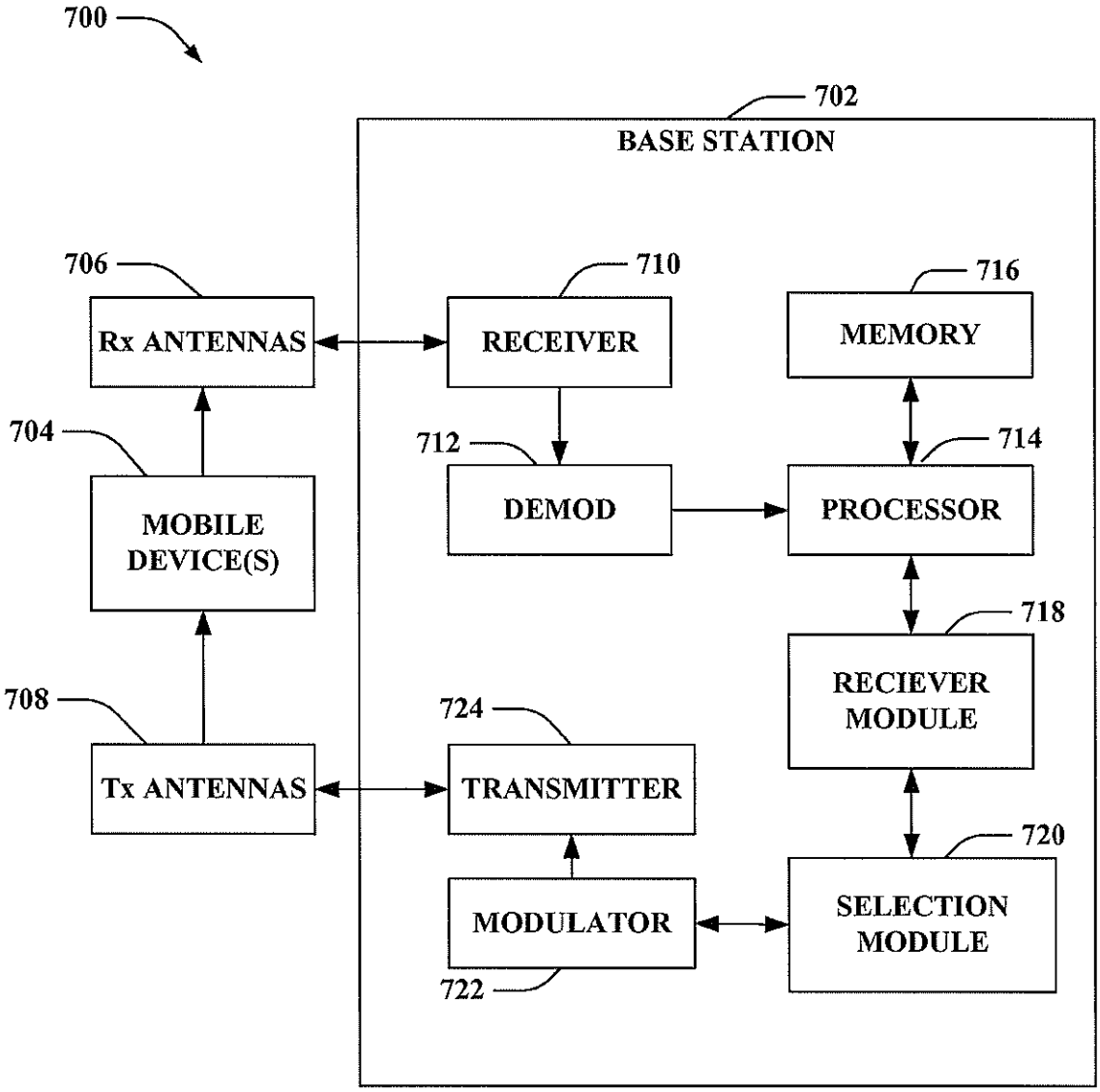

700
702
BASE STATION
706
Rx ANTENNAS
710
RECEIVER
716
MEMORY
704
MOBILE DEVICE(S)
712
DEMOD
714
PROCESSOR
718
RECIEVER MODULE
708
Tx ANTENNAS
724
TRANSMITTER
720
SELECTION MODULE
MODULATOR
722

FIG. 7

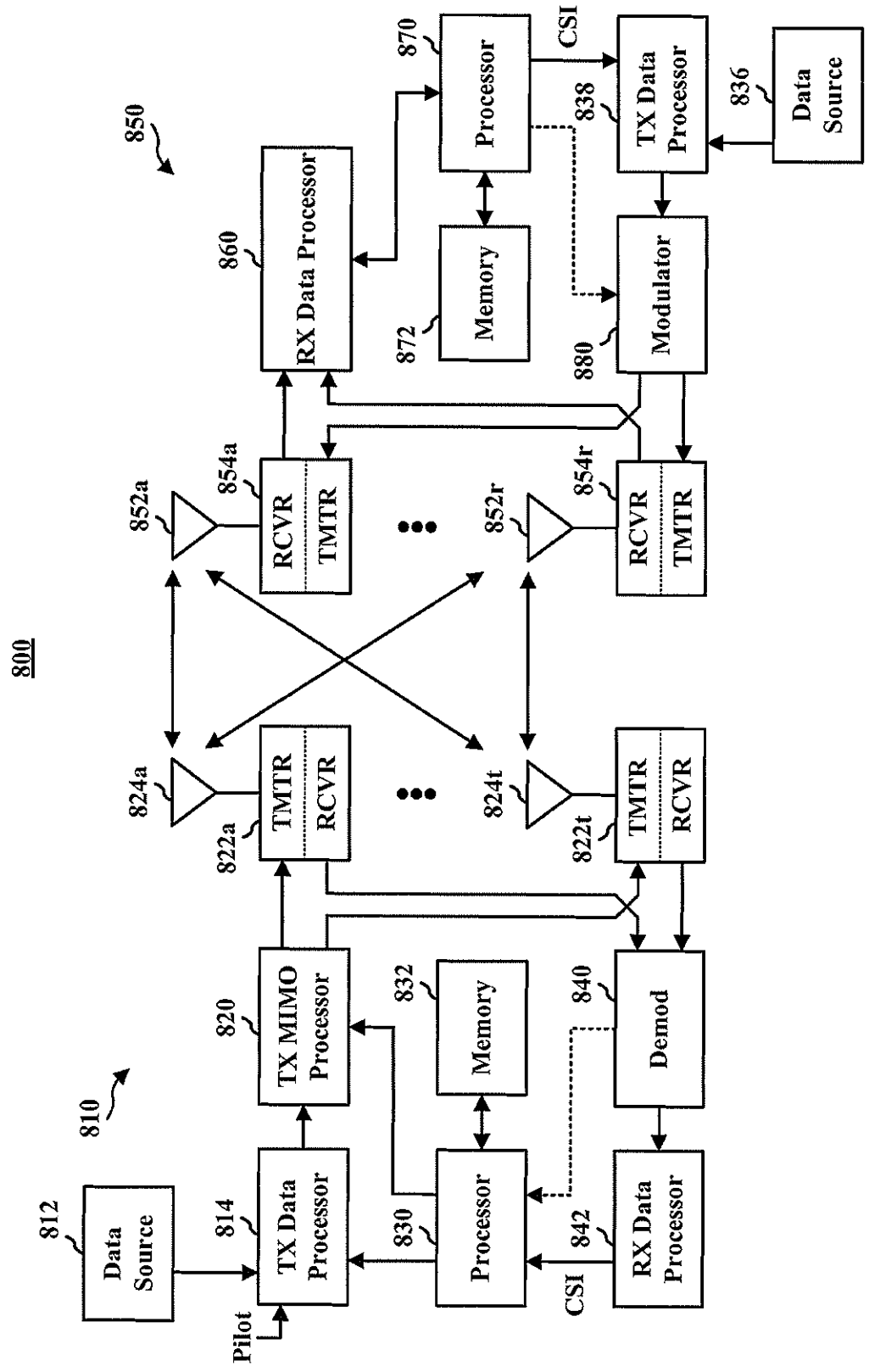

800
810
812
Data Source
814
TX Data Processor
Pilot
820
TX MIMO Processor
822a
TMTR
RCVR
824a
824t
822t
830
Processor
832
Memory
840
Demod
842
RX Data Processor
CSI
850
852a
852r
854a
854r
RCVR
TMTR
860
RX Data Processor
870
Processor
872
Memory
880
Modulator
838
TX Data Processor
CSI
836
Data Source

FIG. 8

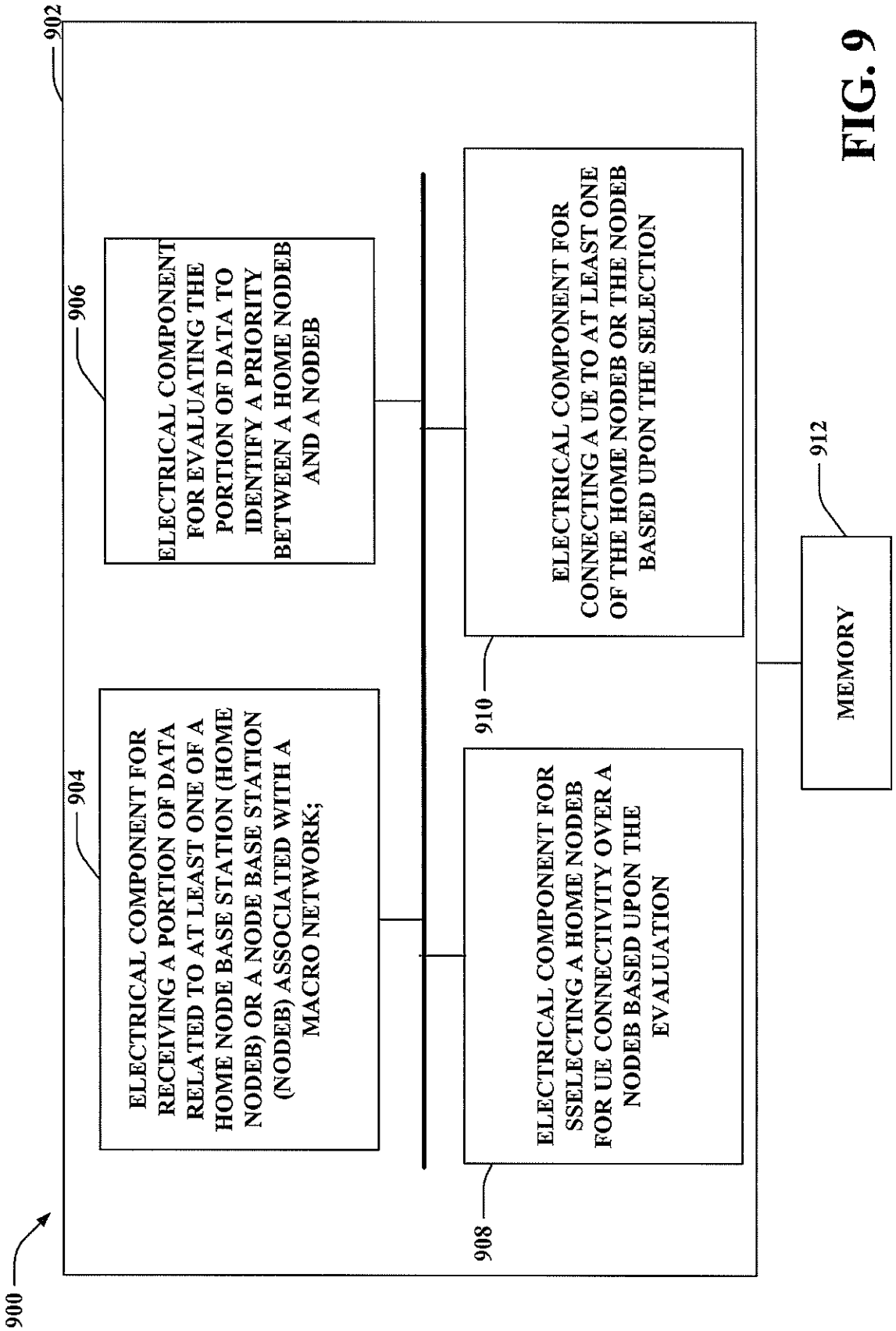

900
902
904
ELECTRICAL COMPONENT FOR RECEIVING A PORTION OF DATA RELATED TO AT LEAST ONE OF A HOME NODE BASE STATION (HOME NODEB) OR A NODE BASE STATION (NODEB) ASSOCIATED WITH A MACRO NETWORK;
906
ELECTRICAL COMPONENT FOR EVALUATING THE PORTION OF DATA TO IDENTIFY A PRIORITY BETWEEN A HOME NODEB AND A NODEB
908
ELECTRICAL COMPONENT FOR SSELECTING A HOME NODEB FOR UE CONNECTIVITY OVER A NODEB BASED UPON THE EVALUATION
910
ELECTRICAL COMPONENT FOR CONNECTING A UE TO AT LEAST ONE OF THE HOME NODEB OR THE NODEB BASED UPON THE SELECTION
912
MEMORY

FIG. 9

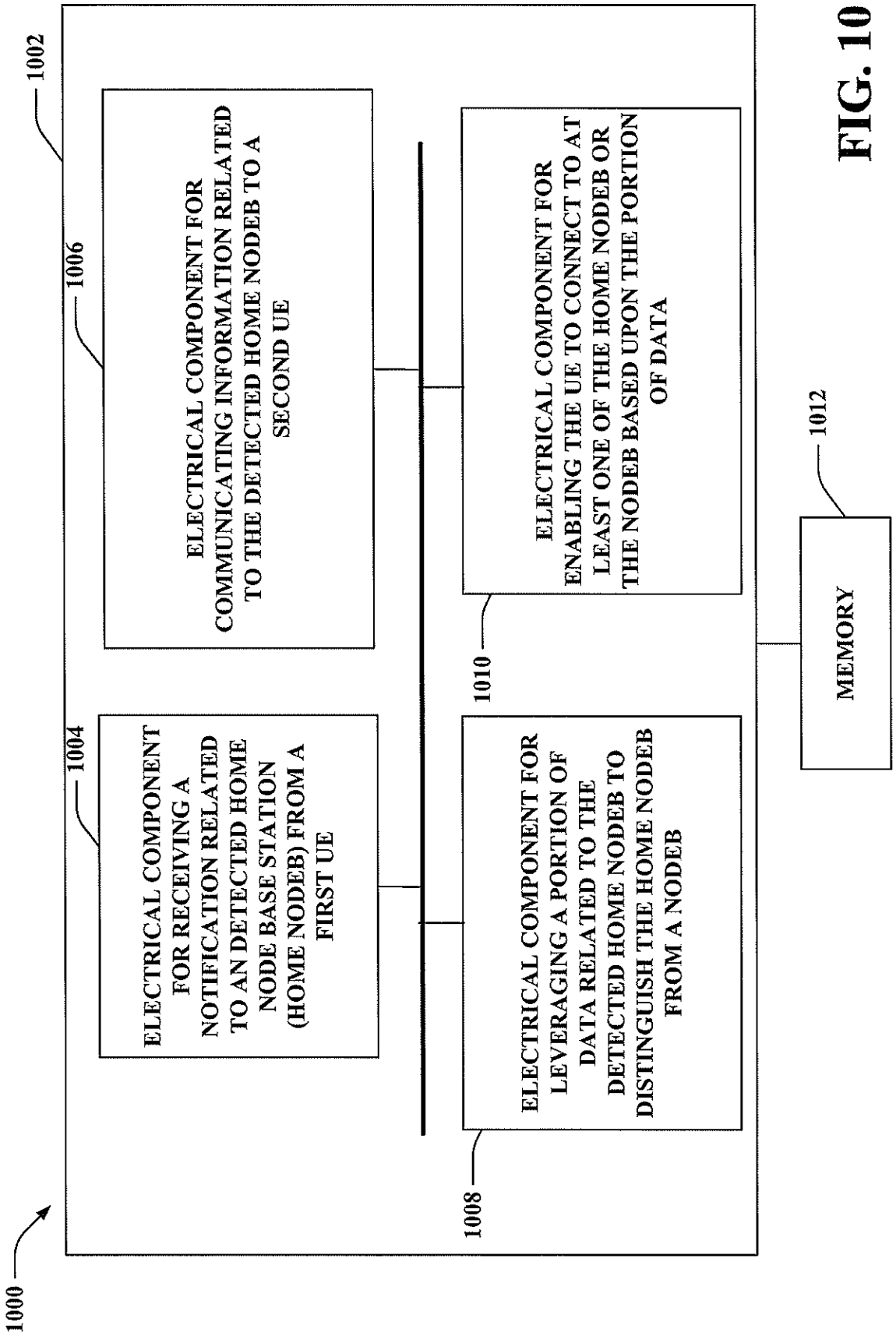

1000
1002
1004
ELECTRICAL COMPONENT FOR RECEIVING A NOTIFICATION RELATED TO AN DETECTED HOME NODE BASE STATION (HOME NODEB) FROM A FIRST UE
1006
ELECTRICAL COMPONENT FOR COMMUNICATING INFORMATION RELATED TO THE DETECTED HOME NODEB TO A SECOND UE
1008
ELECTRICAL COMPONENT FOR LEVERAGING A PORTION OF DATA RELATED TO THE DETECTED HOME NODEB TO DISTINGUISH THE HOME NODEB FROM A NODEB
1010
ELECTRICAL COMPONENT FOR ENABLING THE UE TO CONNECT TO AT LEAST ONE OF THE HOME NODEB OR THE NODEB BASED UPON THE PORTION OF DATA
1012
MEMORY

FIG. 10