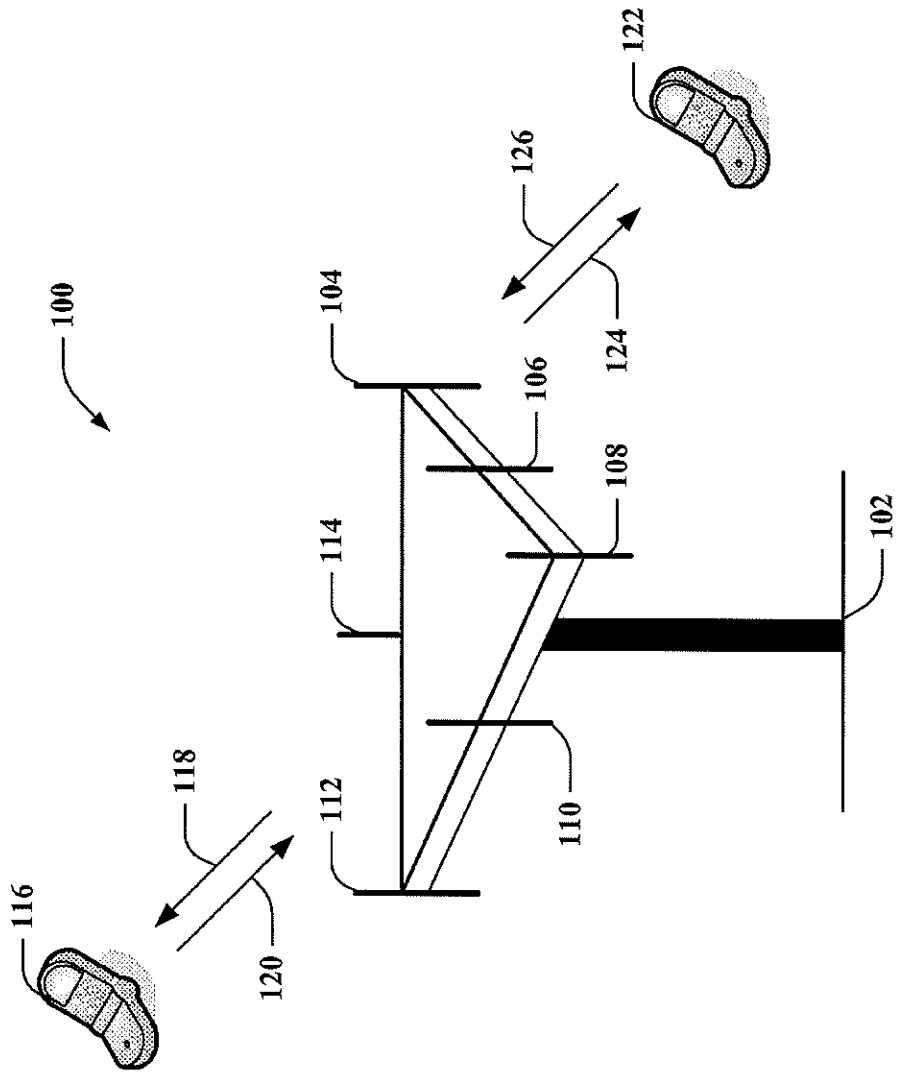


FIG. 1

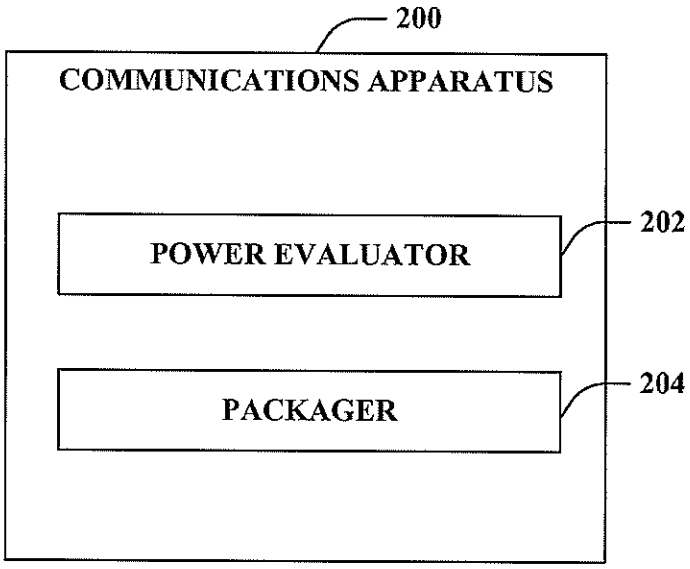

200
COMMUNICATIONS APPARATUS
POWER EVALUATOR
202
PACKAGER
204

FIG. 2

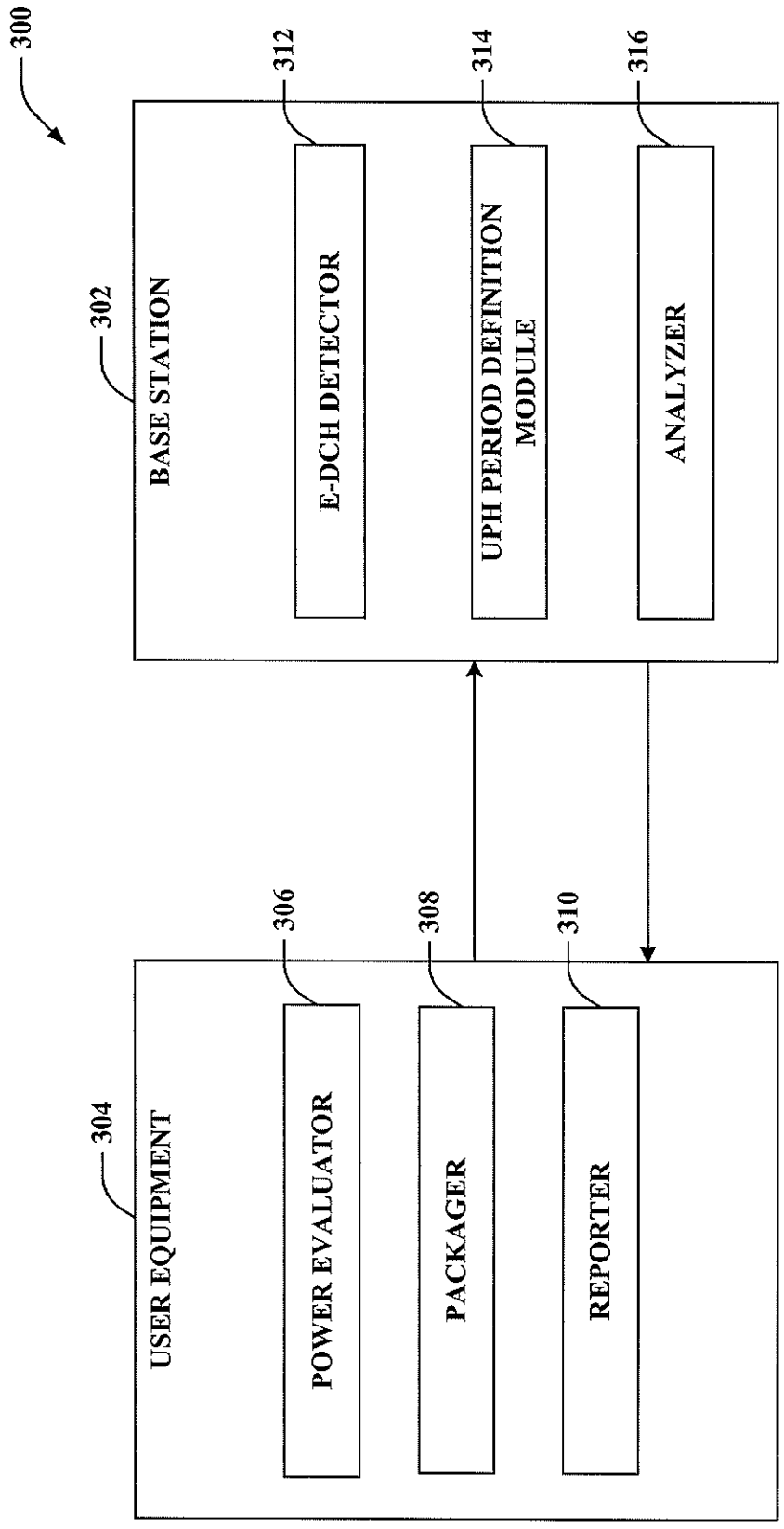

300
302
BASE STATION
312
E-DCH DETECTOR
314
UPH PERIOD DEFINITION MODULE
316
ANALYZER
304
USER EQUIPMENT
306
POWER EVALUATOR
308
PACKAGER
310
REPORTER

FIG. 3

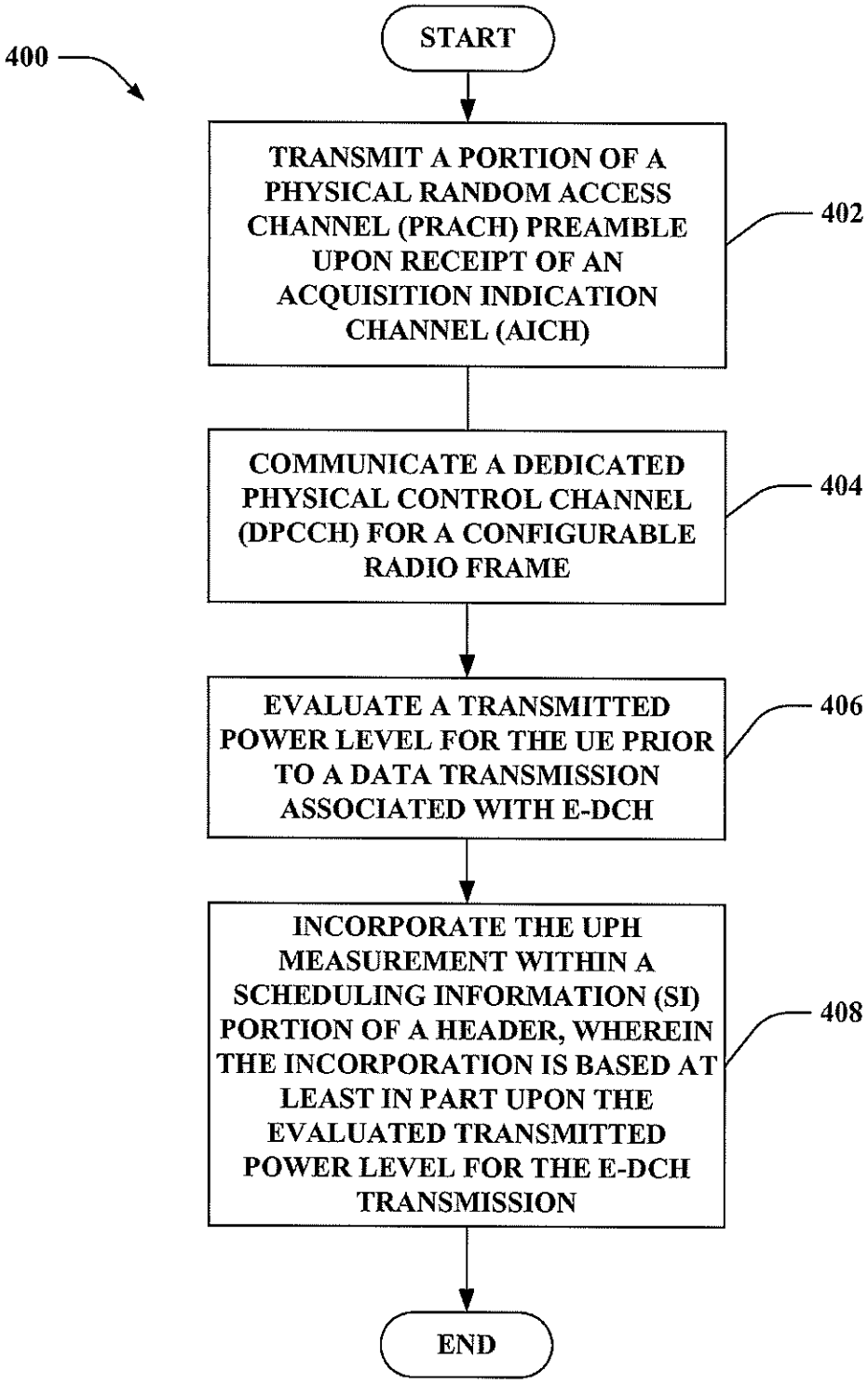

400
START
TRANSMIT A PORTION OF A PHYSICAL RANDOM ACCESS CHANNEL (PRACH) PREAMBLE UPON RECEIPT OF AN ACQUISITION INDICATION CHANNEL (AICH)
402
COMMUNICATE A DEDICATED PHYSICAL CONTROL CHANNEL (DPCCH) FOR A CONFIGURABLE RADIO FRAME
404
EVALUATE A TRANSMITTED POWER LEVEL FOR THE UE PRIOR TO A DATA TRANSMISSION ASSOCIATED WITH E-DCH
406
INCORPORATE THE UPH MEASUREMENT WITHIN A SCHEDULING INFORMATION (SI) PORTION OF A HEADER, WHEREIN THE INCORPORATION IS BASED AT LEAST IN PART UPON THE EVALUATED TRANSMITTED POWER LEVEL FOR THE E-DCH TRANSMISSION
408
END

FIG. 4

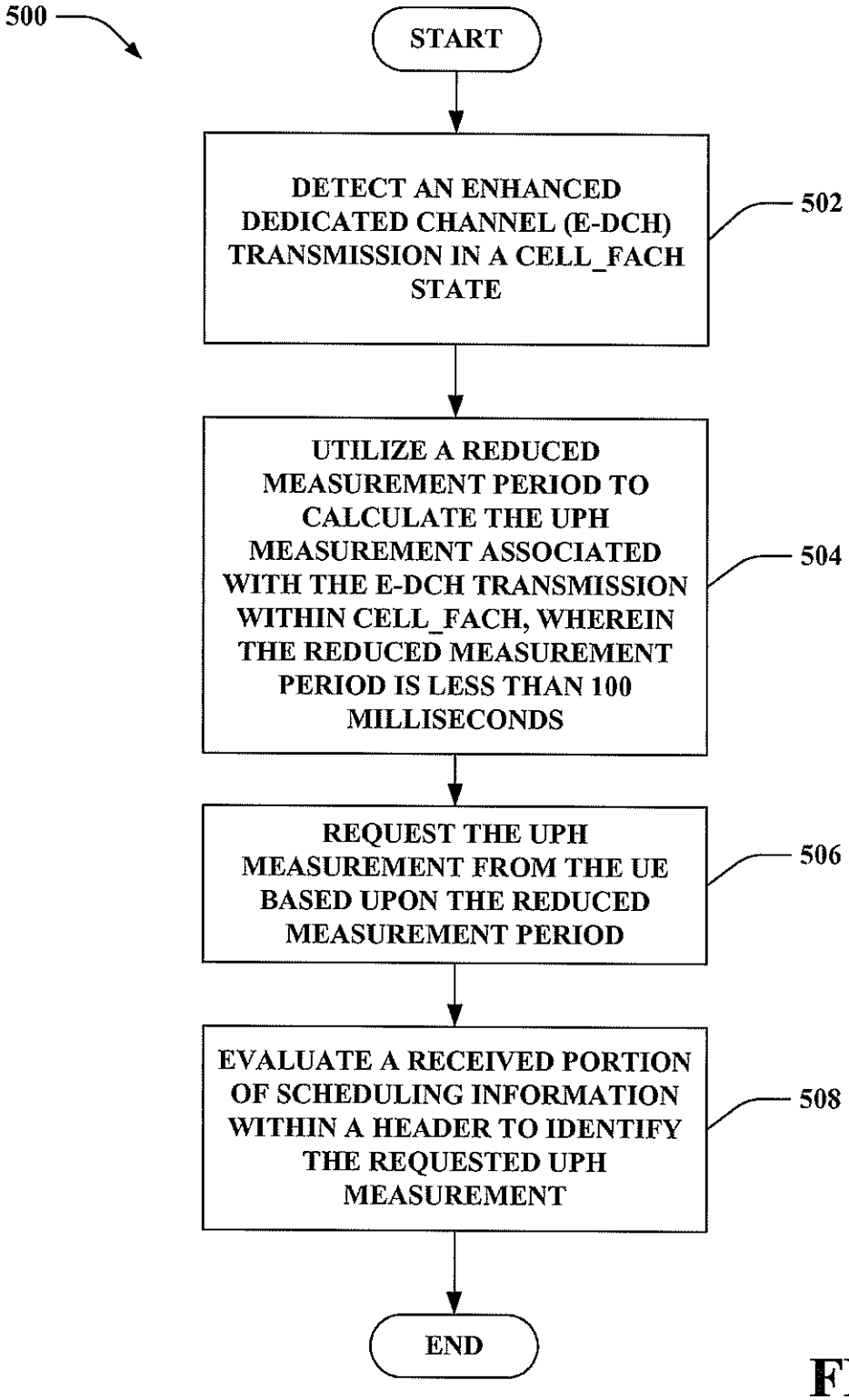

500
START
DETECT AN ENHANCED DEDICATED CHANNEL (E-DCH) TRANSMISSION IN A CELL_FACH STATE
502
UTILIZE A REDUCED MEASUREMENT PERIOD TO CALCULATE THE UPH MEASUREMENT ASSOCIATED WITH THE E-DCH TRANSMISSION WITHIN CELL_FACH, WHEREIN THE REDUCED MEASUREMENT PERIOD IS LESS THAN 100 MILLISECONDS
504
REQUEST THE UPH MEASUREMENT FROM THE UE BASED UPON THE REDUCED MEASUREMENT PERIOD
506
EVALUATE A RECEIVED PORTION OF SCHEDULING INFORMATION WITHIN A HEADER TO IDENTIFY THE REQUESTED UPH MEASUREMENT
508
END

FIG. 5

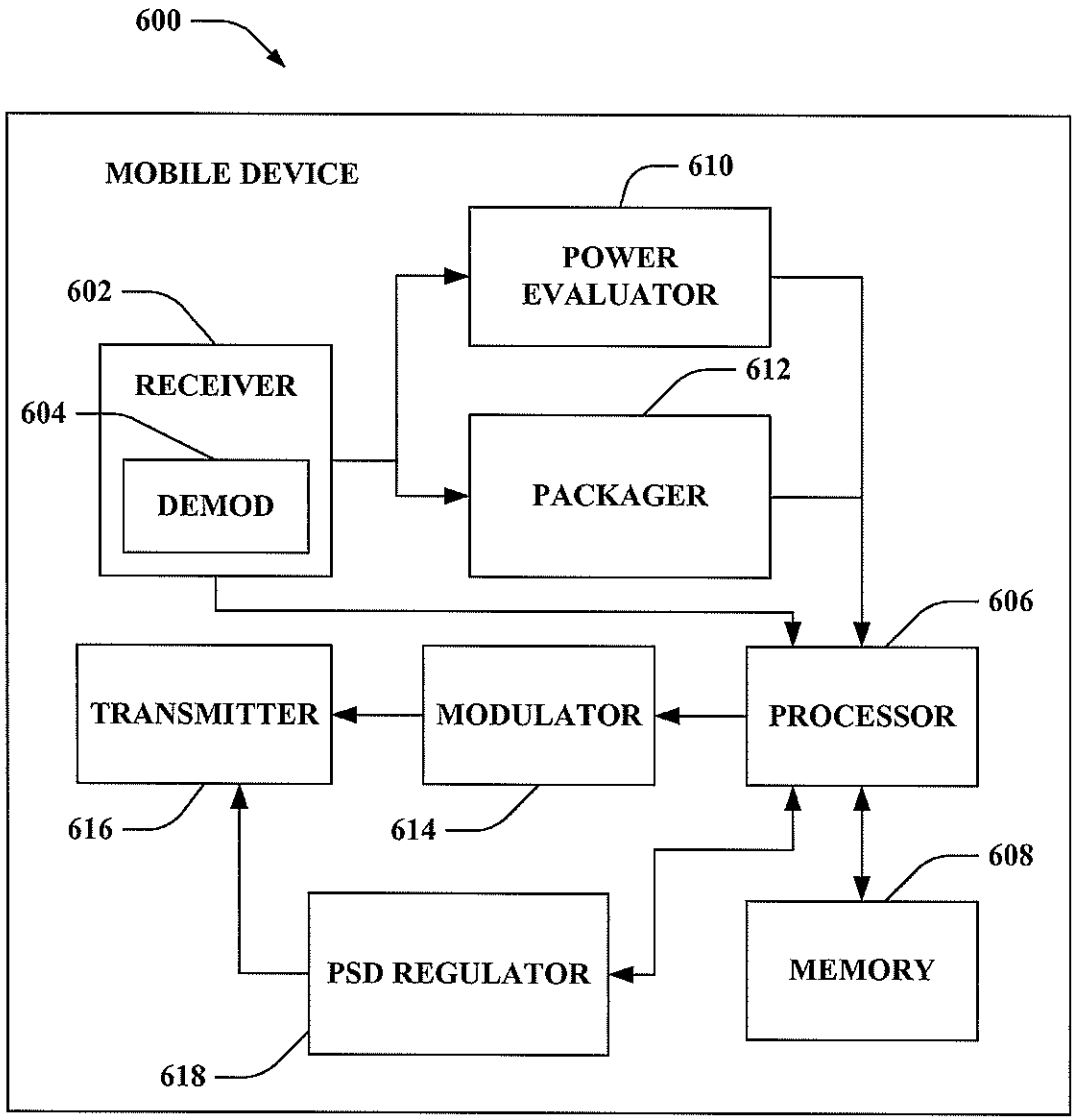

600
MOBILE DEVICE
610
POWER EVALUATOR
602
RECEIVER
604
DEMOD
612
PACKAGER
606
TRANSMITTER
MODULATOR
PROCESSOR
616
614
608
PSD REGULATOR
MEMORY
618

FIG. 6

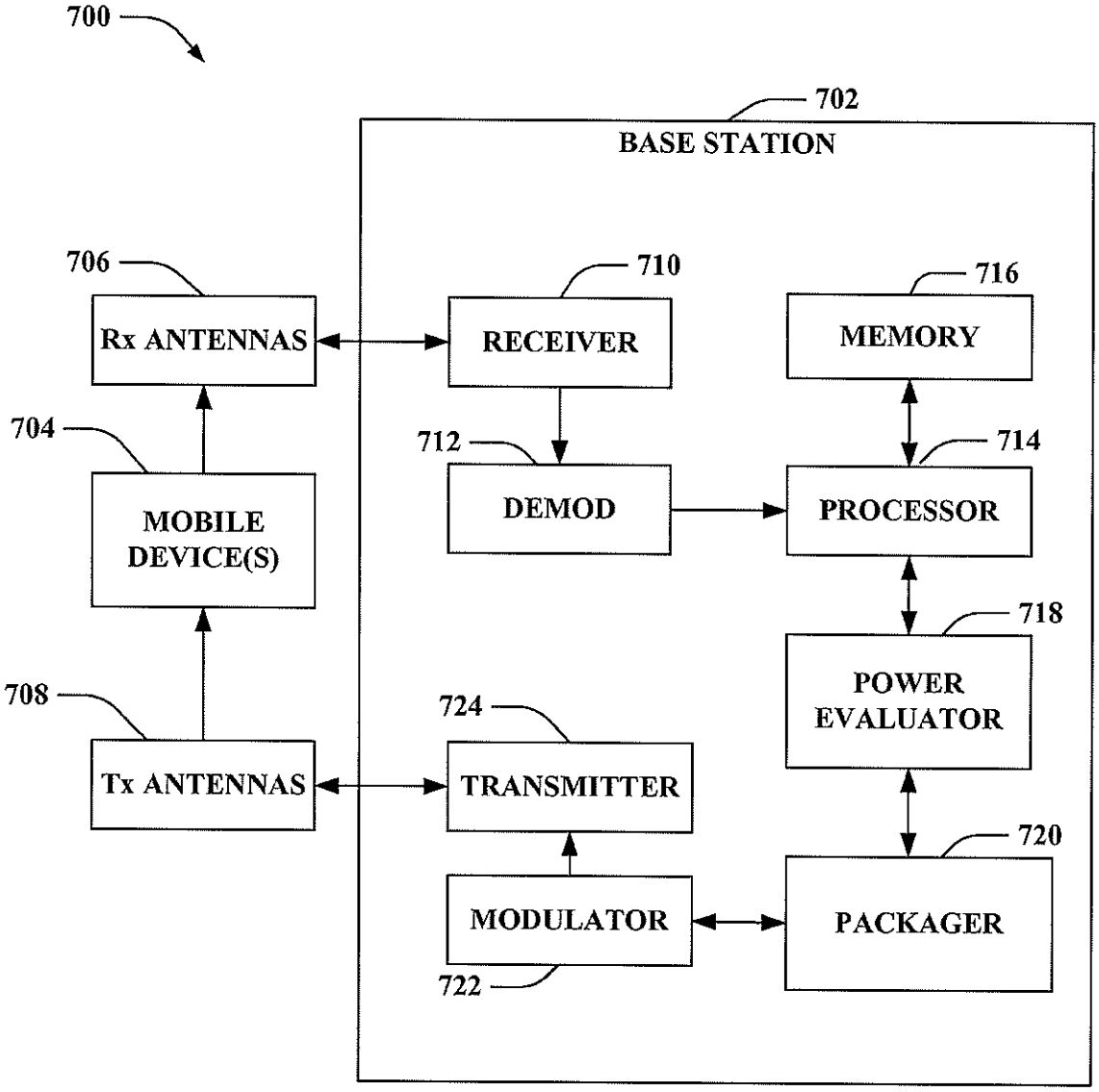

700
702
BASE STATION
706
Rx ANTENNAS
710
RECEIVER
716
MEMORY
704
MOBILE DEVICE(S)
712
DEMOD
714
PROCESSOR
718
POWER EVALUATOR
708
Tx ANTENNAS
724
TRANSMITTER
720
MODULATOR
PACKAGER
722

FIG. 7

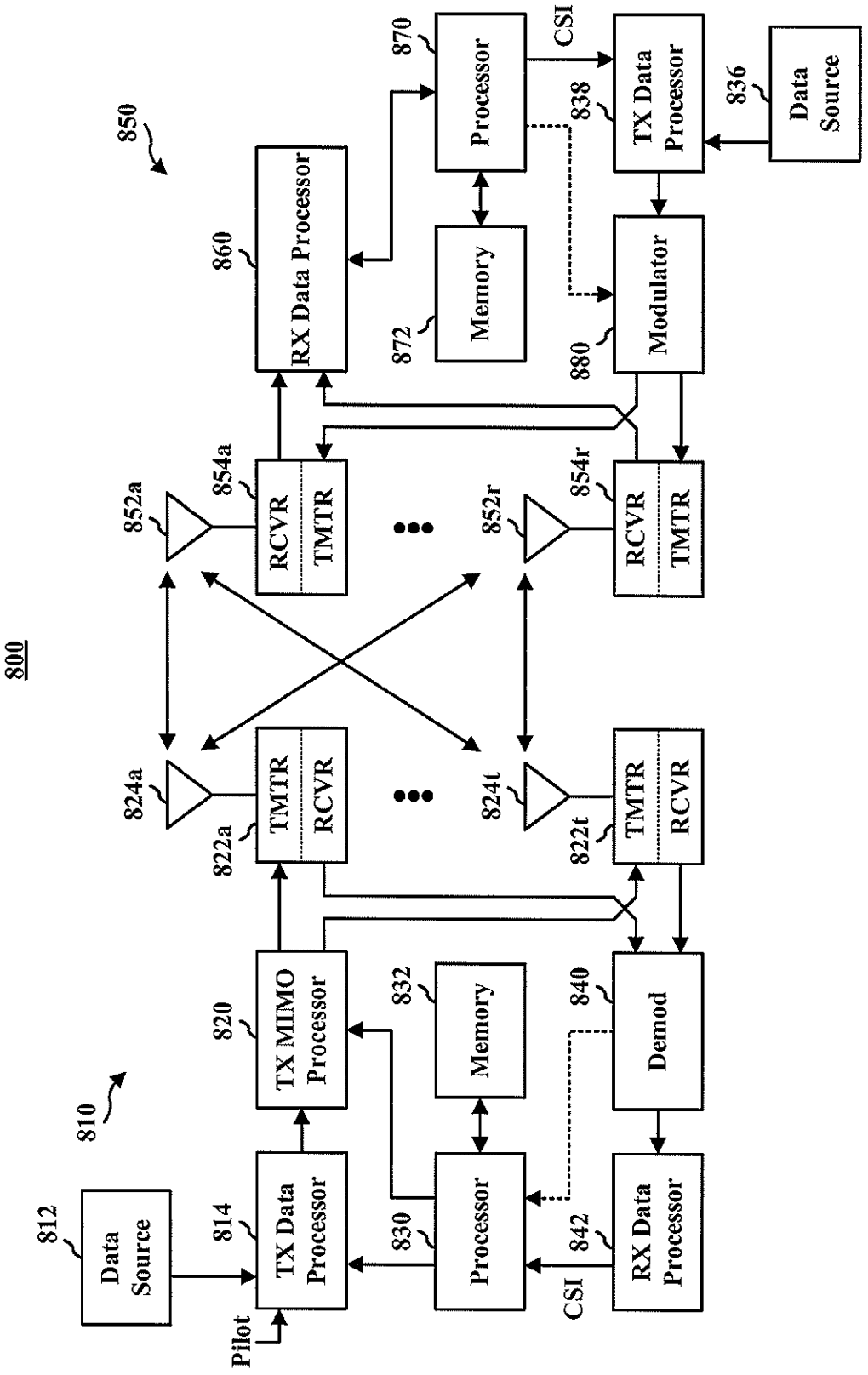

800
810
812
Data Source
814
TX Data Processor
Pilot
820
TX MIMO Processor
822a
TMTR
RCVR
824a
824t
822t
TMTR
RCVR
852a
852r
854a
RCVR
TMTR
854r
RCVR
TMTR
850
860
RX Data Processor
830
Processor
832
Memory
840
Demod
842
RX Data Processor
CSI
870
Processor
872
Memory
880
Modulator
838
TX Data Processor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

FIG. 8

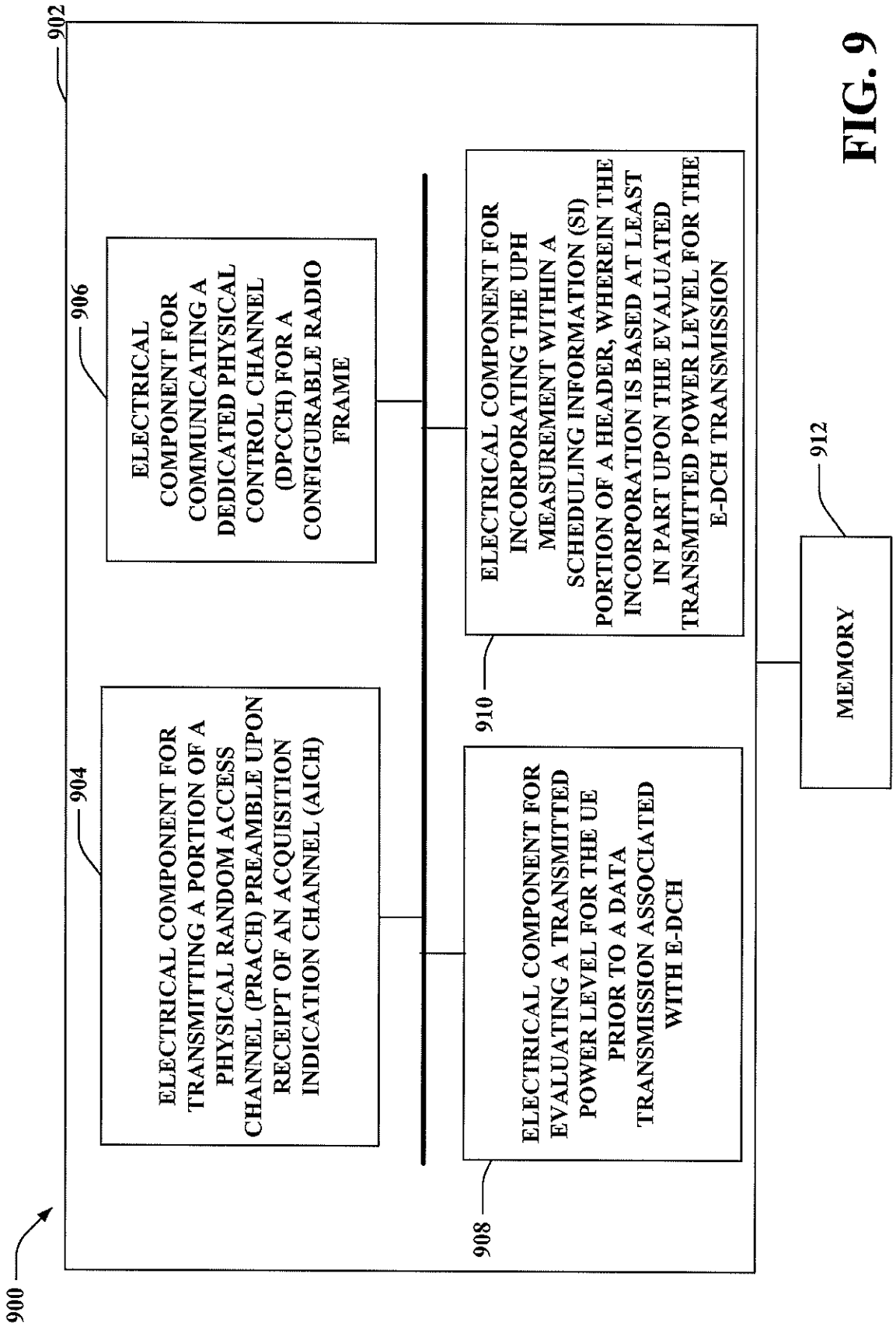

900
902
904
ELECTRICAL COMPONENT FOR TRANSMITTING A PORTION OF A PHYSICAL RANDOM ACCESS CHANNEL (PRACH) PREAMBLE UPON RECEIPT OF AN ACQUISITION INDICATION CHANNEL (AICH)
906
ELECTRICAL COMPONENT FOR COMMUNICATING A DEDICATED PHYSICAL CONTROL CHANNEL (DPCCH) FOR A CONFIGURABLE RADIO FRAME
908
ELECTRICAL COMPONENT FOR EVALUATING A TRANSMITTED POWER LEVEL FOR THE UE PRIOR TO A DATA TRANSMISSION ASSOCIATED WITH E-DCH
910
ELECTRICAL COMPONENT FOR INCORPORATING THE UPH MEASUREMENT WITHIN A SCHEDULING INFORMATION (SI) PORTION OF A HEADER, WHEREIN THE INCORPORATION IS BASED AT LEAST IN PART UPON THE EVALUATED TRANSMITTED POWER LEVEL FOR THE E-DCH TRANSMISSION
912
MEMORY

FIG. 9

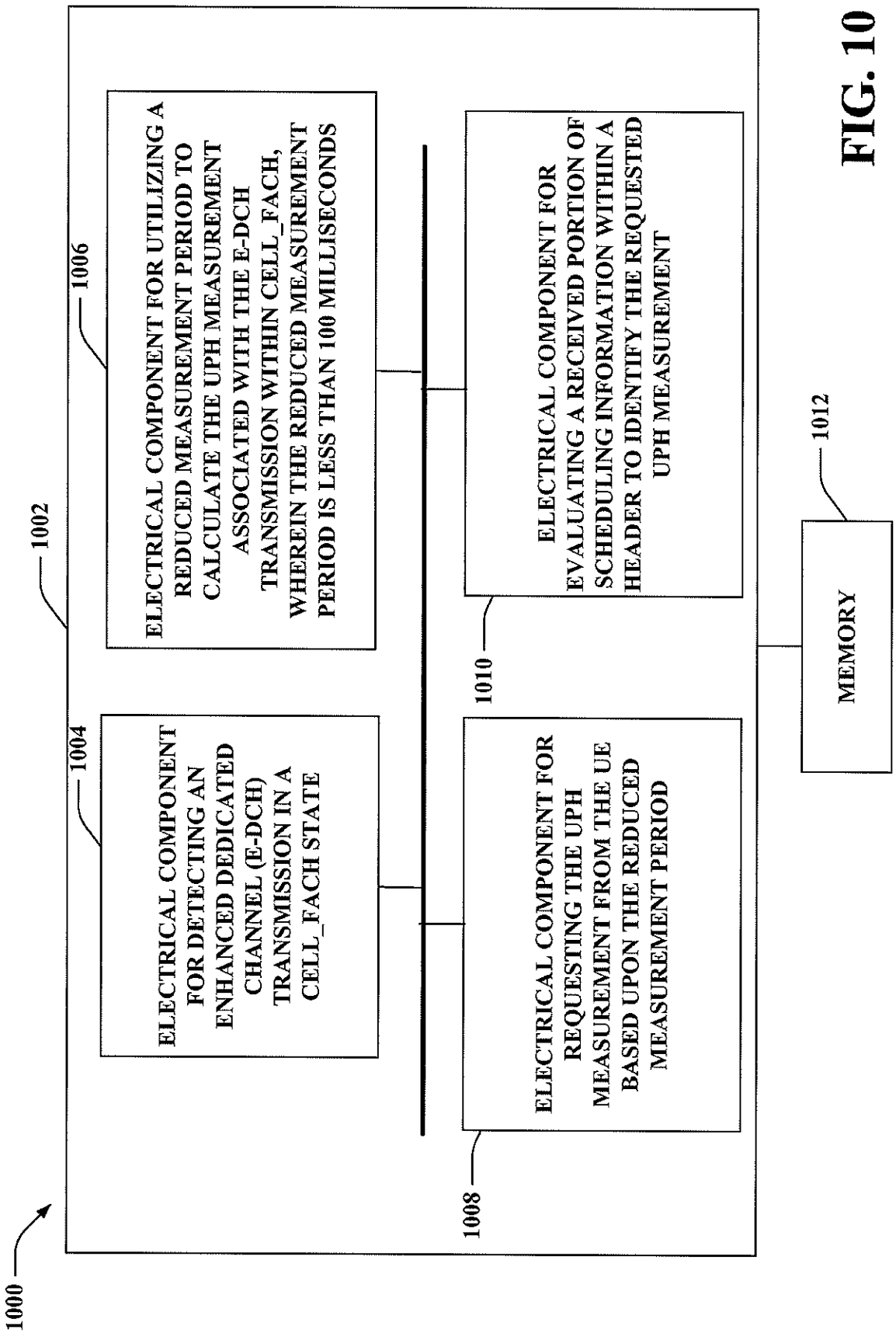

1000
1002
1004
ELECTRICAL COMPONENT FOR DETECTING AN ENHANCED DEDICATED CHANNEL (E-DCH) TRANSMISSION IN A CELL_FACH STATE
1006
ELECTRICAL COMPONENT FOR UTILIZING A REDUCED MEASUREMENT PERIOD TO CALCULATE THE UPH MEASUREMENT ASSOCIATED WITH THE E-DCH TRANSMISSION WITHIN CELL_FACH, WHEREIN THE REDUCED MEASUREMENT PERIOD IS LESS THAN 100 MILLISECONDS
1008
ELECTRICAL COMPONENT FOR REQUESTING THE UPH MEASUREMENT FROM THE UE BASED UPON THE REDUCED MEASUREMENT PERIOD
1010
ELECTRICAL COMPONENT FOR EVALUATING A RECEIVED PORTION OF SCHEDULING INFORMATION WITHIN A HEADER TO IDENTIFY THE REQUESTED UPH MEASUREMENT
1012
MEMORY

FIG. 10