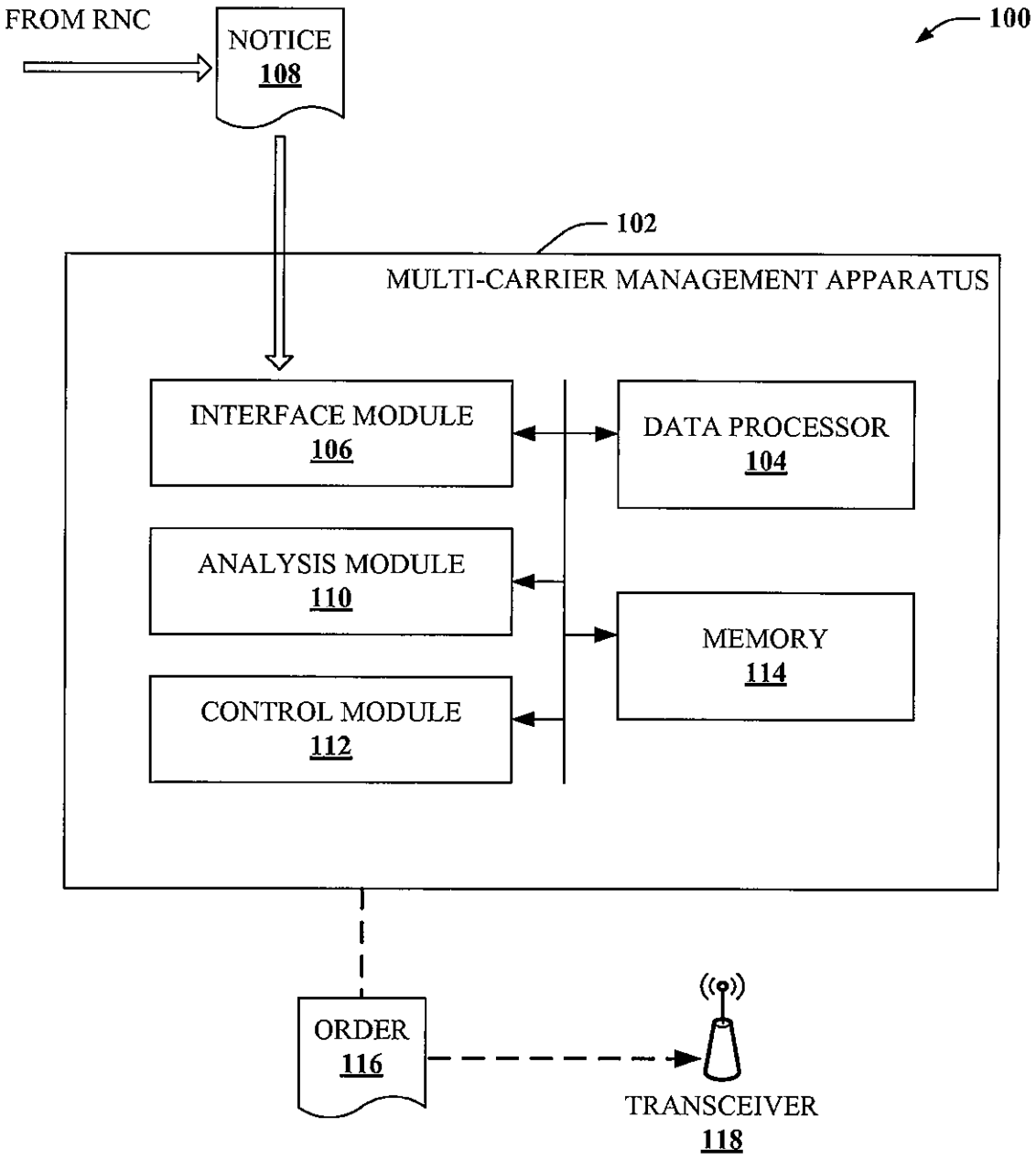

FROM RNC
NOTICE
108
100
102
MULTI-CARRIER MANAGEMENT APPARATUS
INTERFACE MODULE
106
DATA PROCESSOR
104
ANALYSIS MODULE
110
MEMORY
114
CONTROL MODULE
112
ORDER
116
TRANSCEIVER
118

FIG. 1

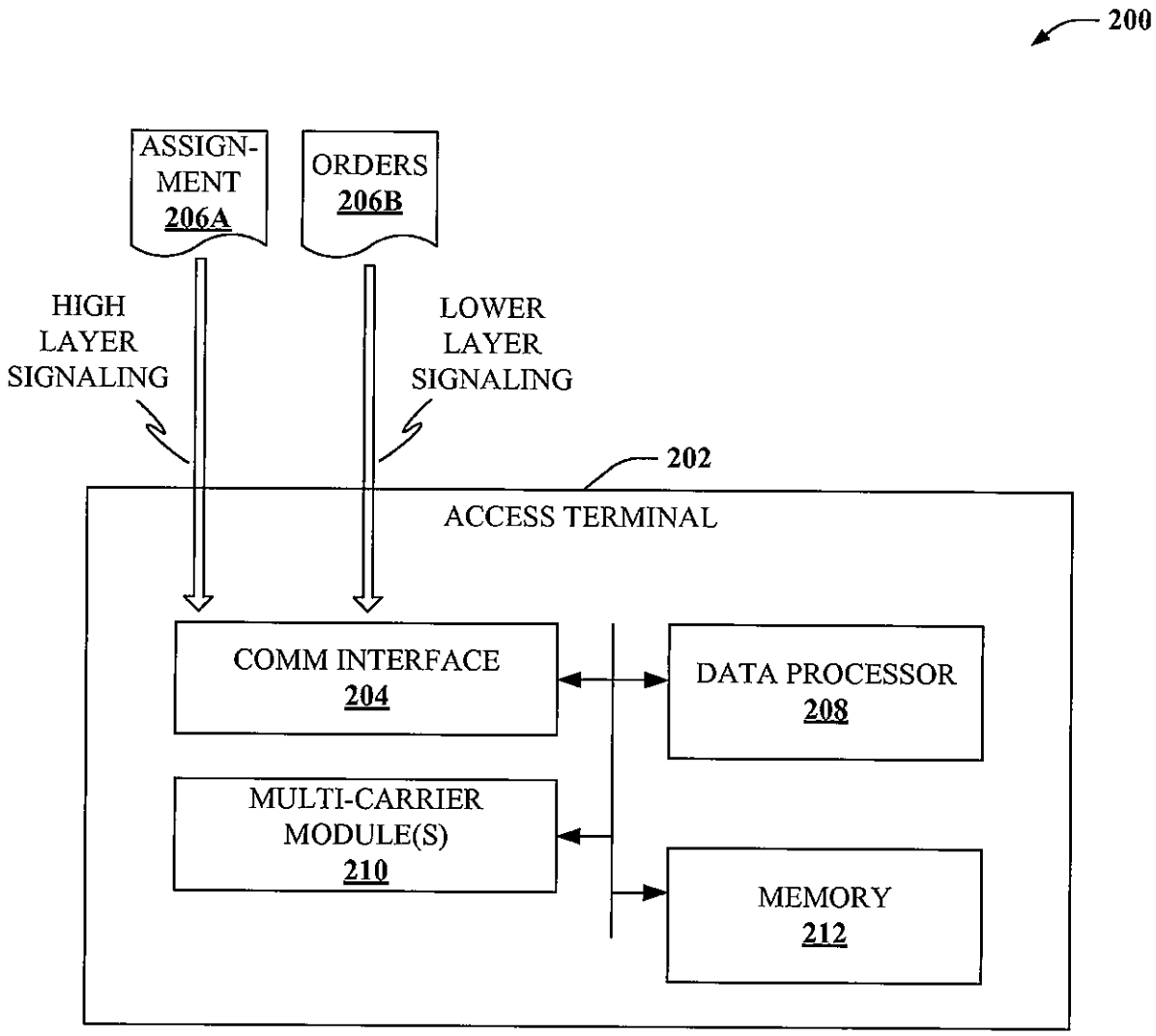

200
ASSIGN-
MENT
206A
ORDERS
206B
HIGH
LAYER
SIGNALING
LOWER
LAYER
SIGNALING
202
ACCESS TERMINAL
COMM INTERFACE
204
DATA PROCESSOR
208
MULTI-CARRIER
MODULE(S)
210
MEMORY
212

FIG. 2

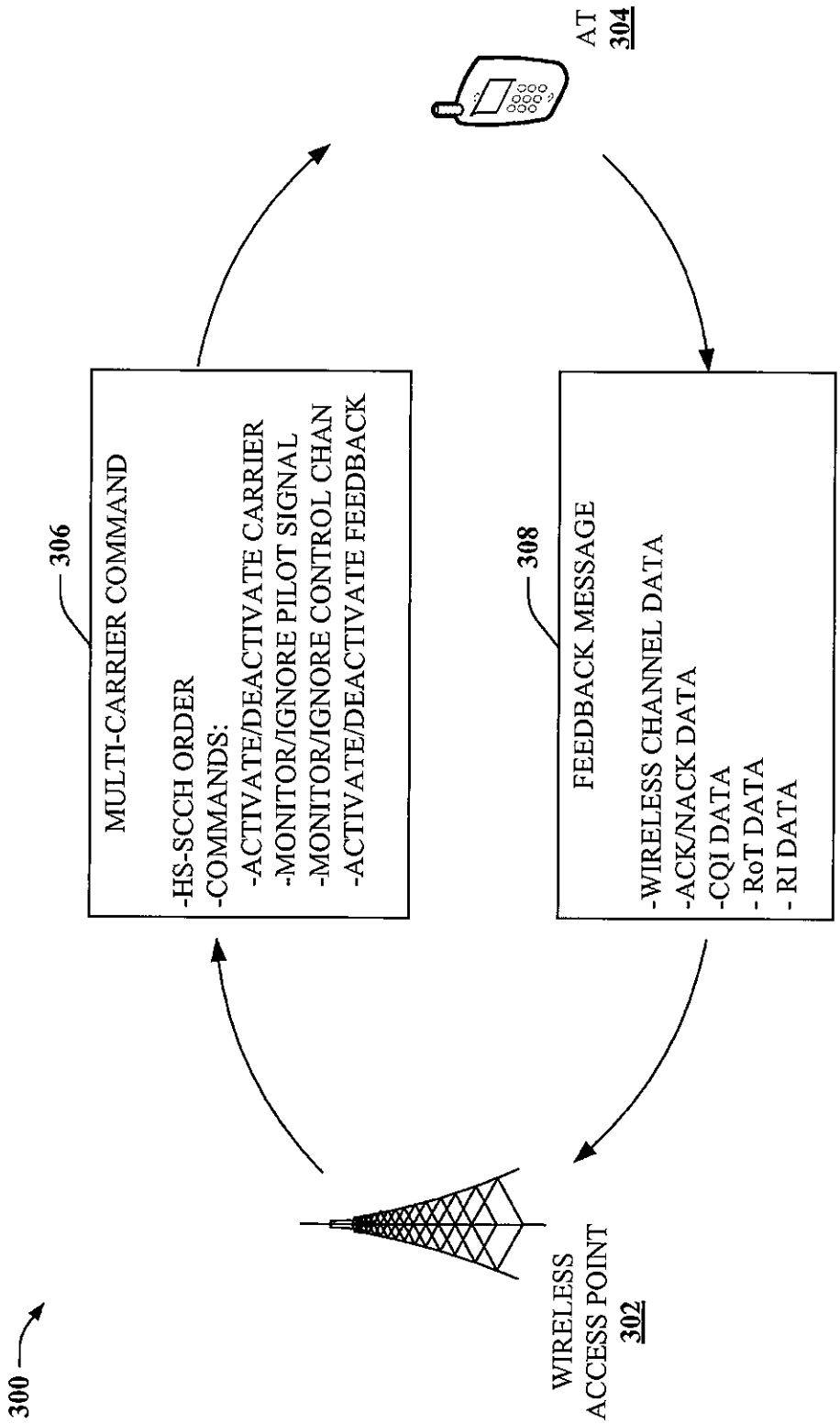

300
WIRELESS ACCESS POINT 302
AT 304
306
MULTI-CARRIER COMMAND
-HS-SCCH ORDER
-COMMANDS:
-ACTIVATE/DEACTIVATE CARRIER
-MONITOR/IGNORE PILOT SIGNAL
-MONITOR/IGNORE CONTROL CHAN
-ACTIVATE/DEACTIVATE FEEDBACK
308
FEEDBACK MESSAGE
-WIRELESS CHANNEL DATA
-ACK/NACK DATA
-CQI DATA
- RoT DATA
- RI DATA

FIG. 3

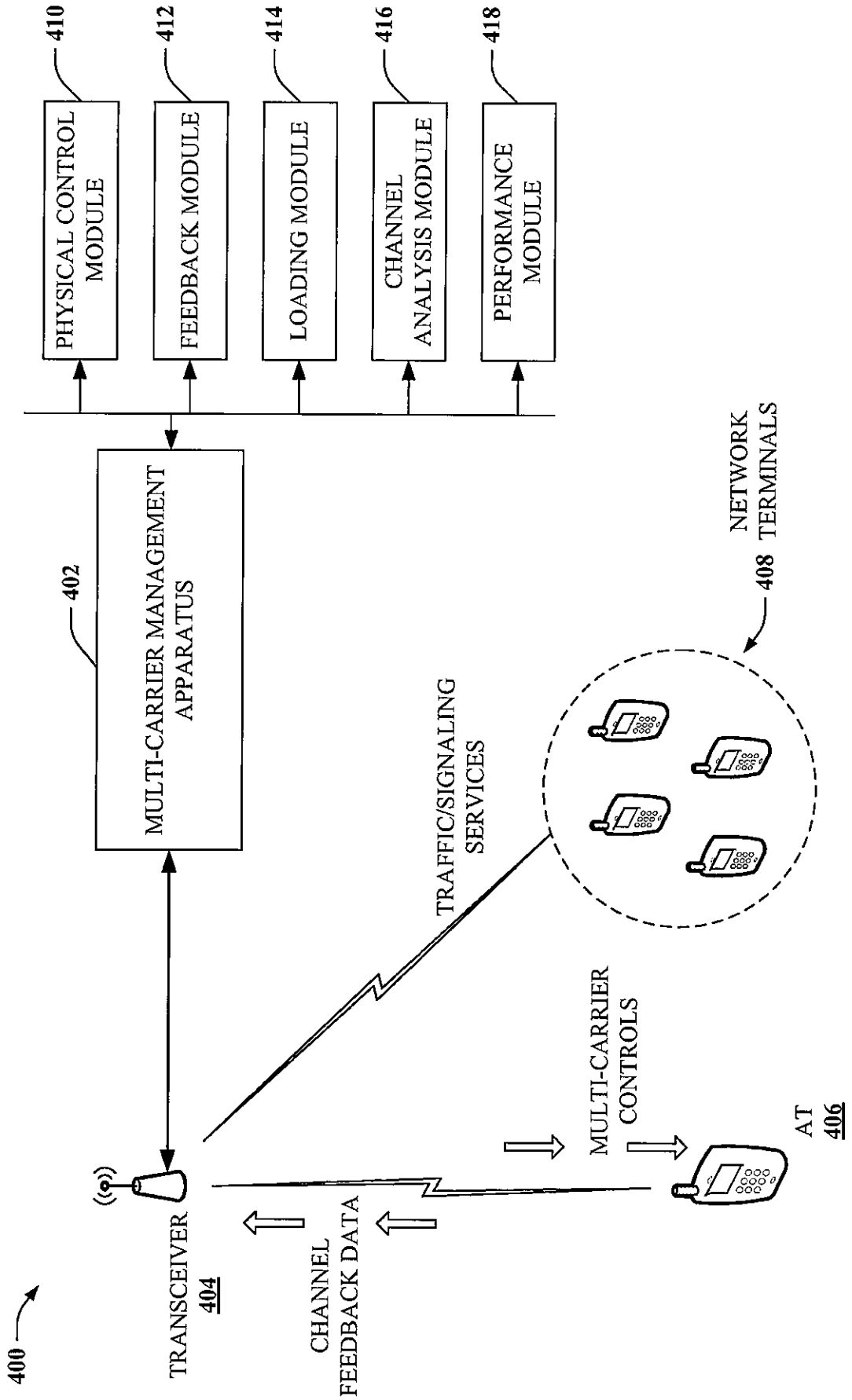

400
TRANSCEIVER
404
CHANNEL
FEEDBACK DATA
MULTI-CARRIER
CONTROLS
AT
406
TRAFFIC/SIGNALING
SERVICES
NETWORK
TERMINALS
408
402
MULTI-CARRIER MANAGEMENT
APPARATUS
PHYSICAL CONTROL
MODULE
410
FEEDBACK MODULE
412
LOADING MODULE
414
CHANNEL
ANALYSIS MODULE
416
PERFORMANCE
MODULE
418

FIG. 4

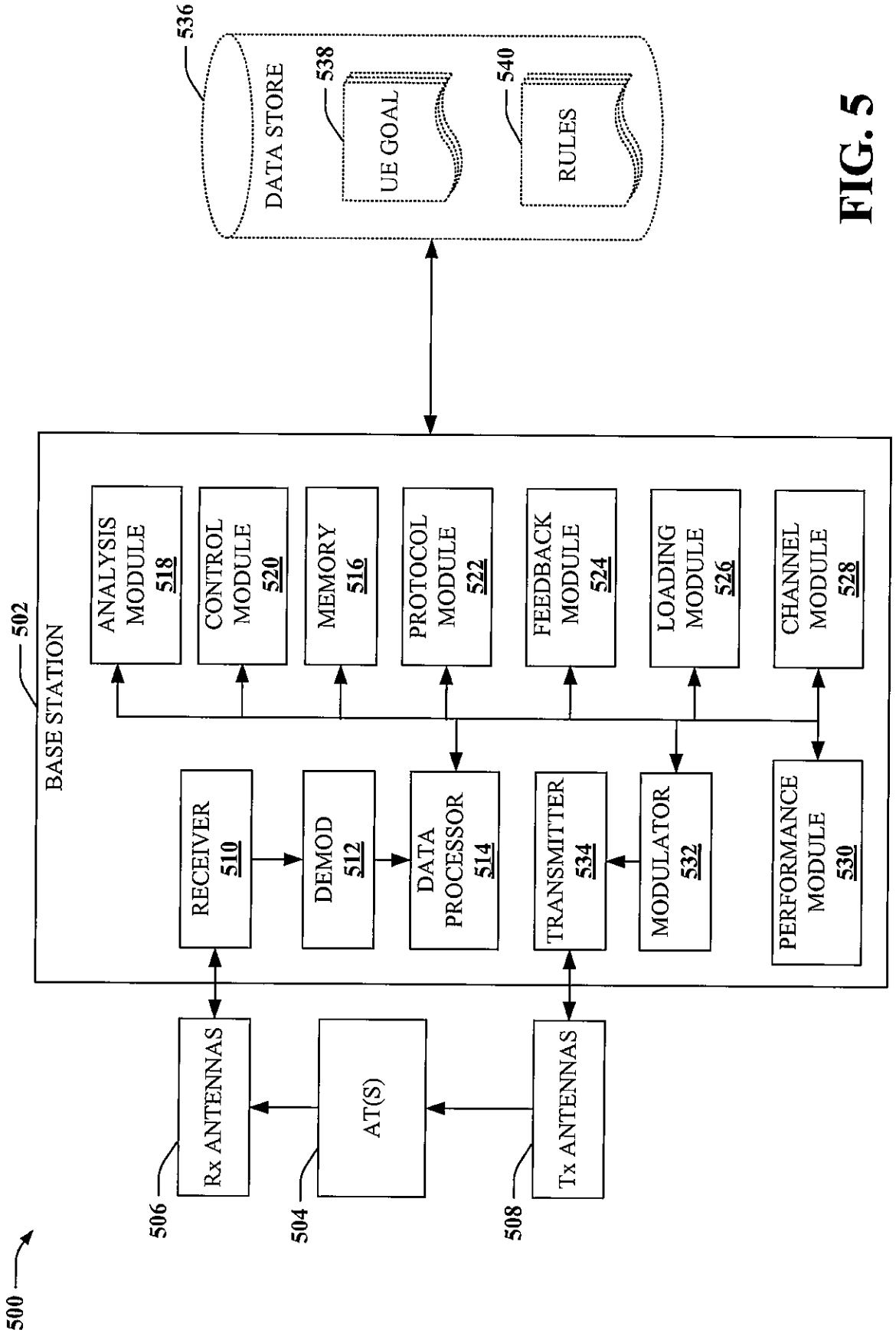

500
506
Rx ANTENNAS
504
AT(S)
508
Tx ANTENNAS
BASE STATION
502
RECEIVER 510
DEMOD 512
DATA PROCESSOR 514
TRANSMITTER 534
MODULATOR 532
PERFORMANCE MODULE 530
ANALYSIS MODULE 518
CONTROL MODULE 520
MEMORY 516
PROTOCOL MODULE 522
FEEDBACK MODULE 524
LOADING MODULE 526
CHANNEL MODULE 528
536
DATA STORE
538
UE GOAL
540
RULES

FIG. 5

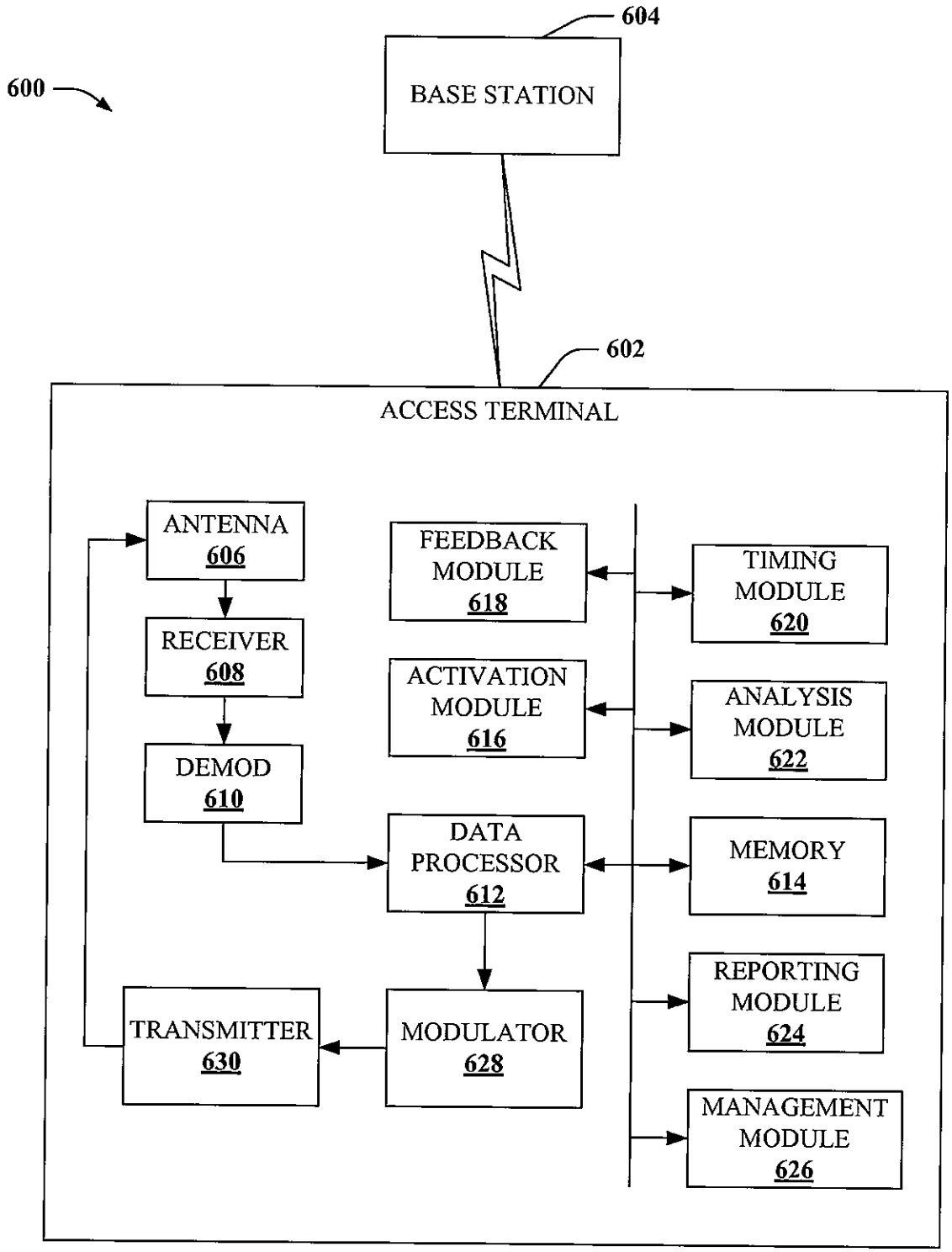

600
604
BASE STATION
602
ACCESS TERMINAL
ANTENNA
606
RECEIVER
608
DEMOD
610
FEEDBACK MODULE
618
ACTIVATION MODULE
616
DATA PROCESSOR
612
TRANSMITTER
630
MODULATOR
628
TIMING MODULE
620
ANALYSIS MODULE
622
MEMORY
614
REPORTING MODULE
624
MANAGEMENT MODULE
626

FIG. 6

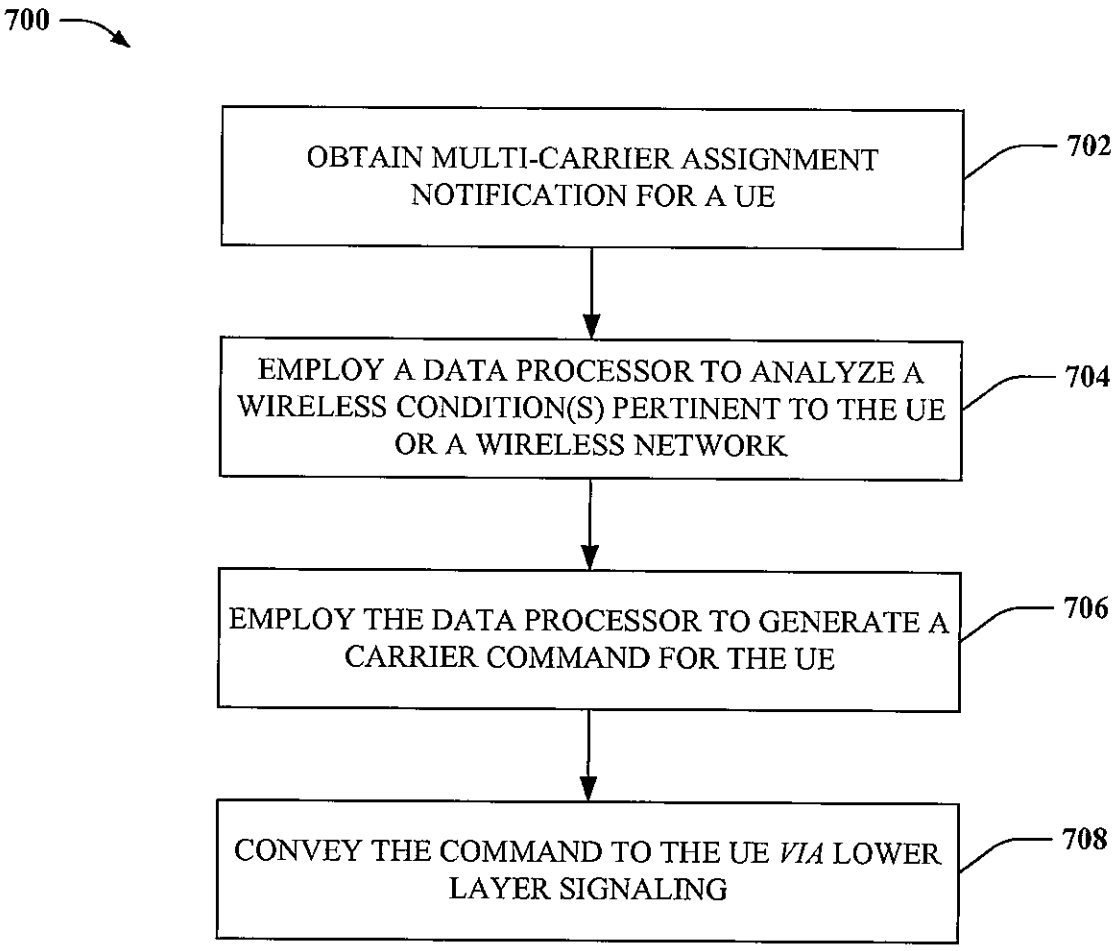

700
OBTAIN MULTI-CARRIER ASSIGNMENT NOTIFICATION FOR A UE
702
EMPLOY A DATA PROCESSOR TO ANALYZE A WIRELESS CONDITION(S) PERTINENT TO THE UE OR A WIRELESS NETWORK
704
EMPLOY THE DATA PROCESSOR TO GENERATE A CARRIER COMMAND FOR THE UE
706
CONVEY THE COMMAND TO THE UE *VIA* LOWER LAYER SIGNALING
708

FIG. 7

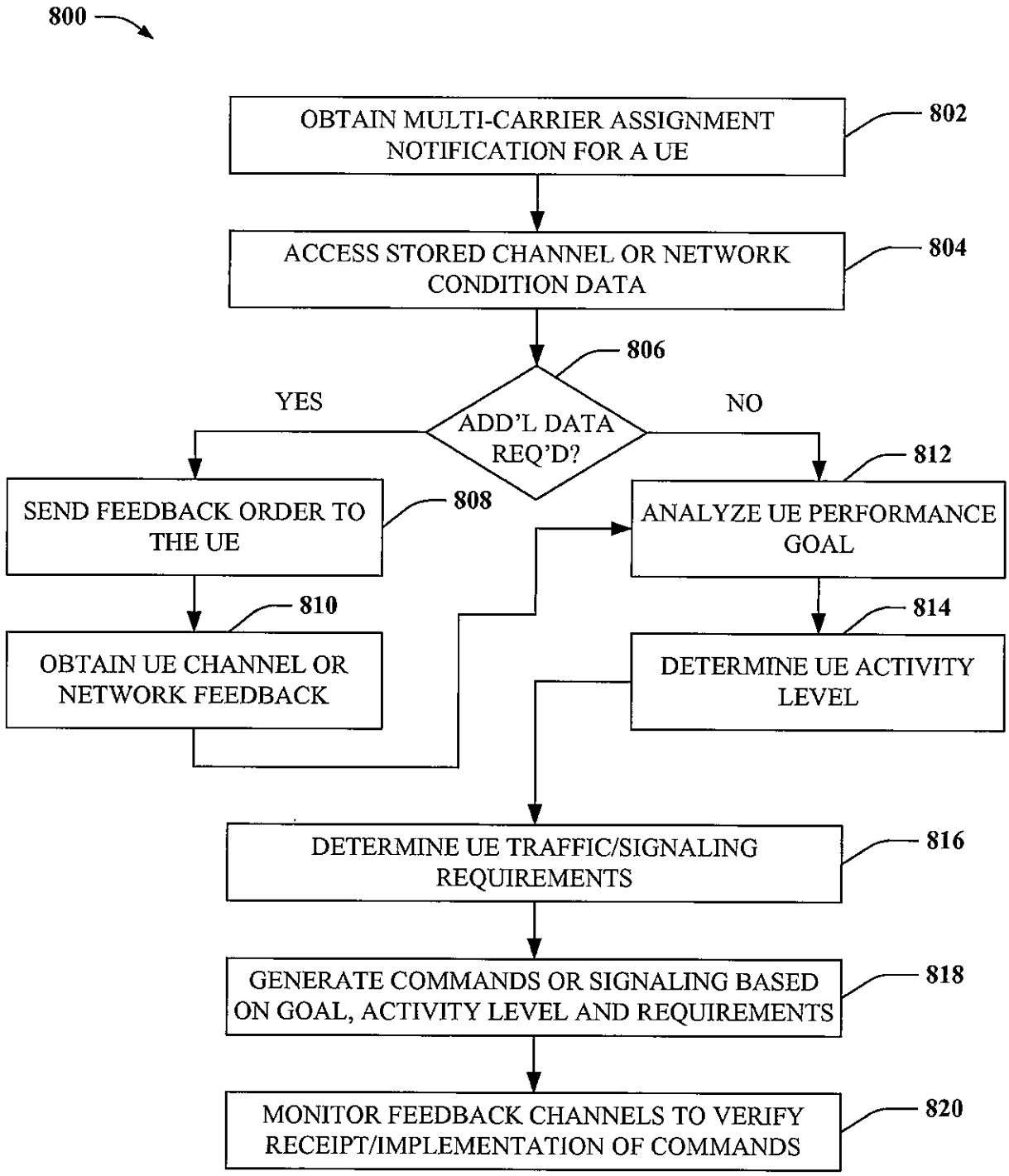

800
OBTAIN MULTI-CARRIER ASSIGNMENT NOTIFICATION FOR A UE
802
ACCESS STORED CHANNEL OR NETWORK CONDITION DATA
804
806
ADD'L DATA REQ'D?
YES
NO
SEND FEEDBACK ORDER TO THE UE
808
ANALYZE UE PERFORMANCE GOAL
812
OBTAIN UE CHANNEL OR NETWORK FEEDBACK
810
DETERMINE UE ACTIVITY LEVEL
814
DETERMINE UE TRAFFIC/SIGNALING REQUIREMENTS
816
GENERATE COMMANDS OR SIGNALING BASED ON GOAL, ACTIVITY LEVEL AND REQUIREMENTS
818
MONITOR FEEDBACK CHANNELS TO VERIFY RECEIPT/IMPLEMENTATION OF COMMANDS
820

FIG. 8

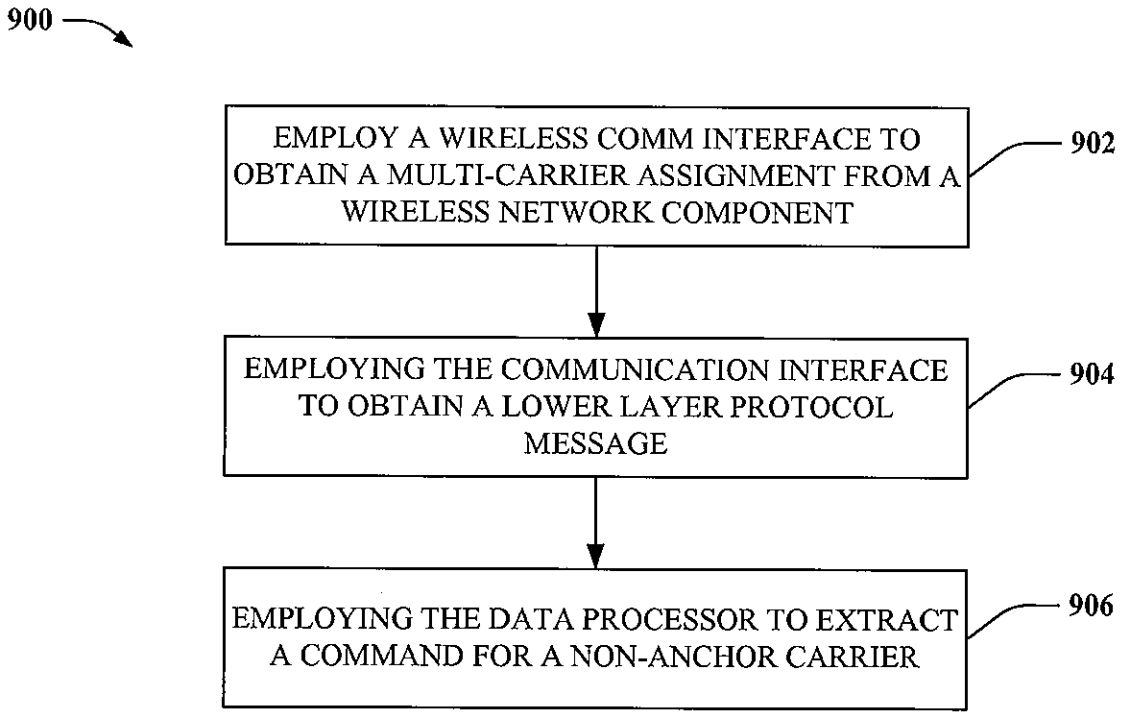

900
EMPLOY A WIRELESS COMM INTERFACE TO OBTAIN A MULTI-CARRIER ASSIGNMENT FROM A WIRELESS NETWORK COMPONENT
902
EMPLOYING THE COMMUNICATION INTERFACE TO OBTAIN A LOWER LAYER PROTOCOL MESSAGE
904
EMPLOYING THE DATA PROCESSOR TO EXTRACT A COMMAND FOR A NON-ANCHOR CARRIER
906

FIG. 9

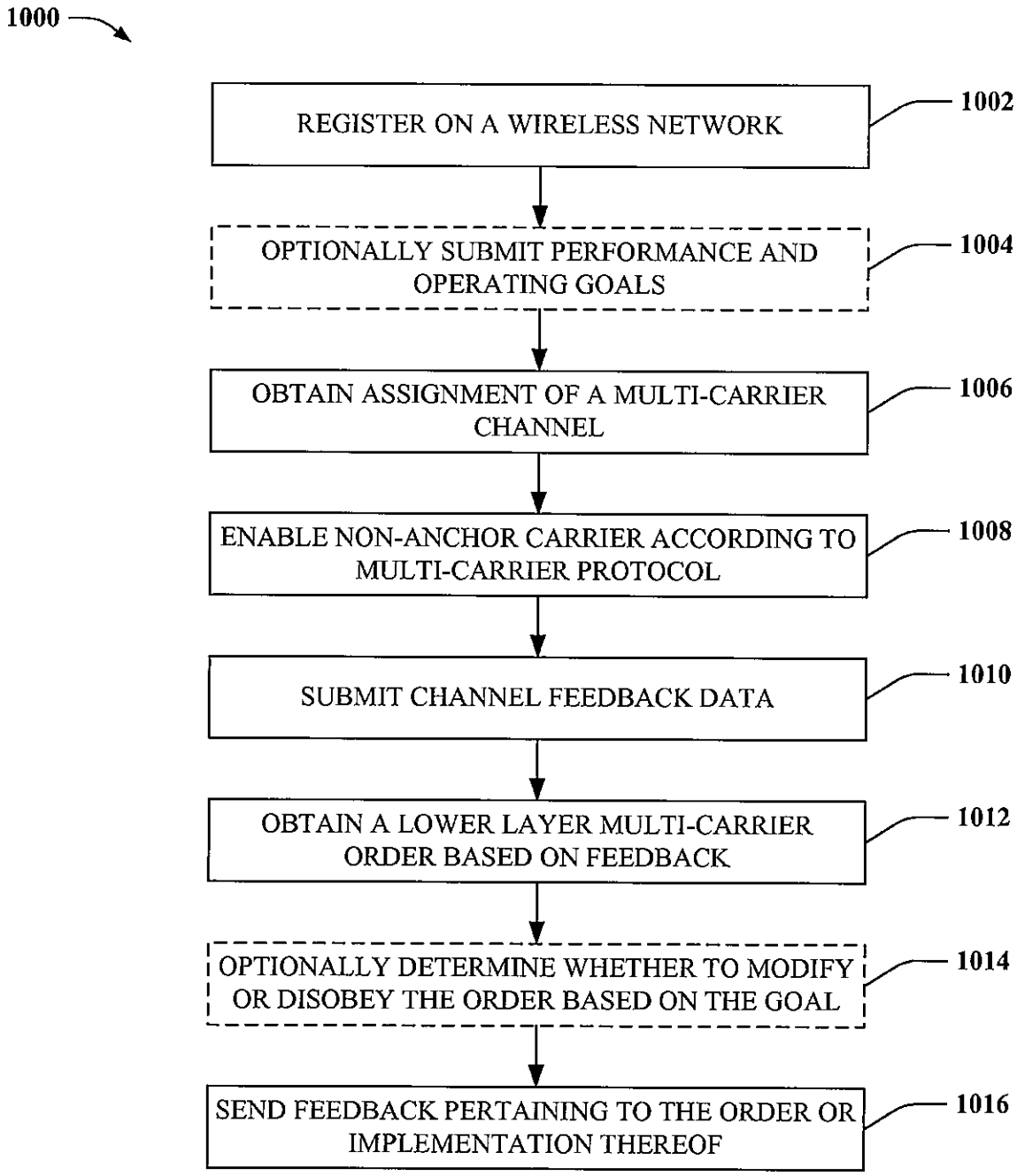

1000
REGISTER ON A WIRELESS NETWORK
1002
OPTIONALLY SUBMIT PERFORMANCE AND OPERATING GOALS
1004
OBTAIN ASSIGNMENT OF A MULTI-CARRIER CHANNEL
1006
ENABLE NON-ANCHOR CARRIER ACCORDING TO MULTI-CARRIER PROTOCOL
1008
SUBMIT CHANNEL FEEDBACK DATA
1010
OBTAIN A LOWER LAYER MULTI-CARRIER ORDER BASED ON FEEDBACK
1012
OPTIONALLY DETERMINE WHETHER TO MODIFY OR DISOBEY THE ORDER BASED ON THE GOAL
1014
SEND FEEDBACK PERTAINING TO THE ORDER OR IMPLEMENTATION THEREOF
1016

FIG. 10

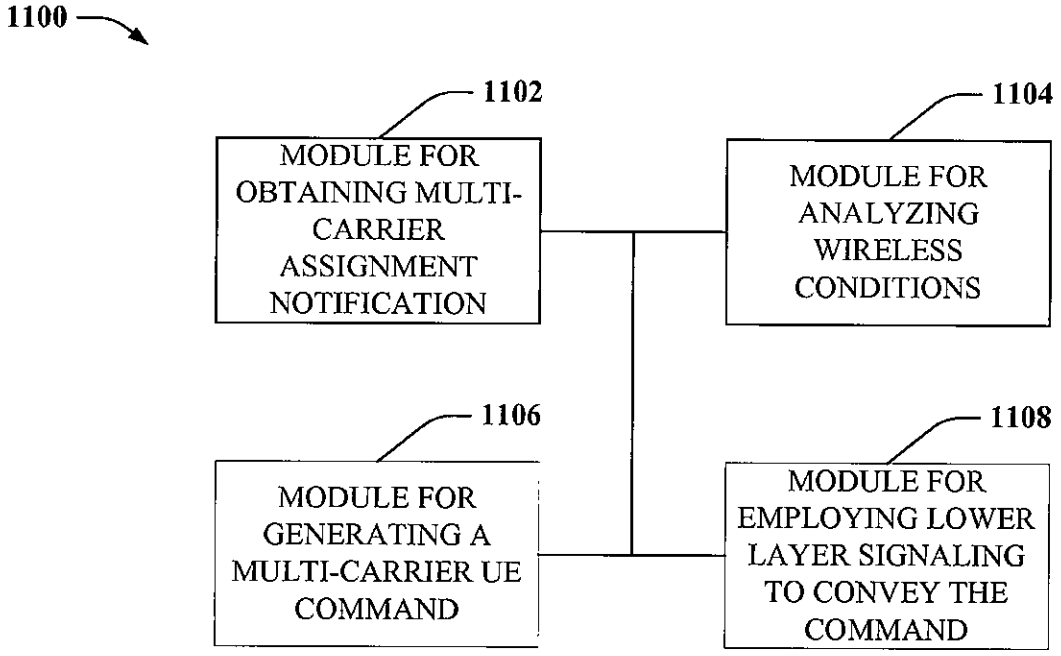

1100
1102
MODULE FOR OBTAINING MULTI-CARRIER ASSIGNMENT NOTIFICATION
1104
MODULE FOR ANALYZING WIRELESS CONDITIONS
1106
MODULE FOR GENERATING A MULTI-CARRIER UE COMMAND
1108
MODULE FOR EMPLOYING LOWER LAYER SIGNALING TO CONVEY THE COMMAND

FIG. 11

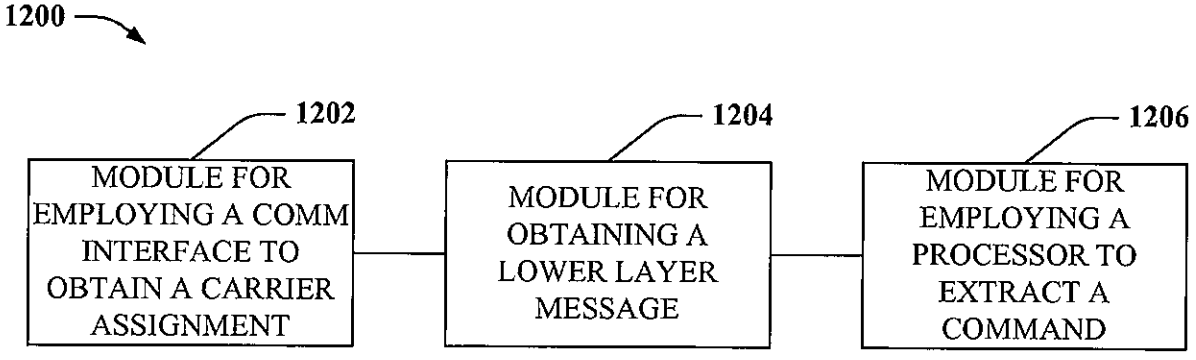

1200
1202
MODULE FOR EMPLOYING A COMM INTERFACE TO OBTAIN A CARRIER ASSIGNMENT
1204
MODULE FOR OBTAINING A LOWER LAYER MESSAGE
1206
MODULE FOR EMPLOYING A PROCESSOR TO EXTRACT A COMMAND

FIG. 12

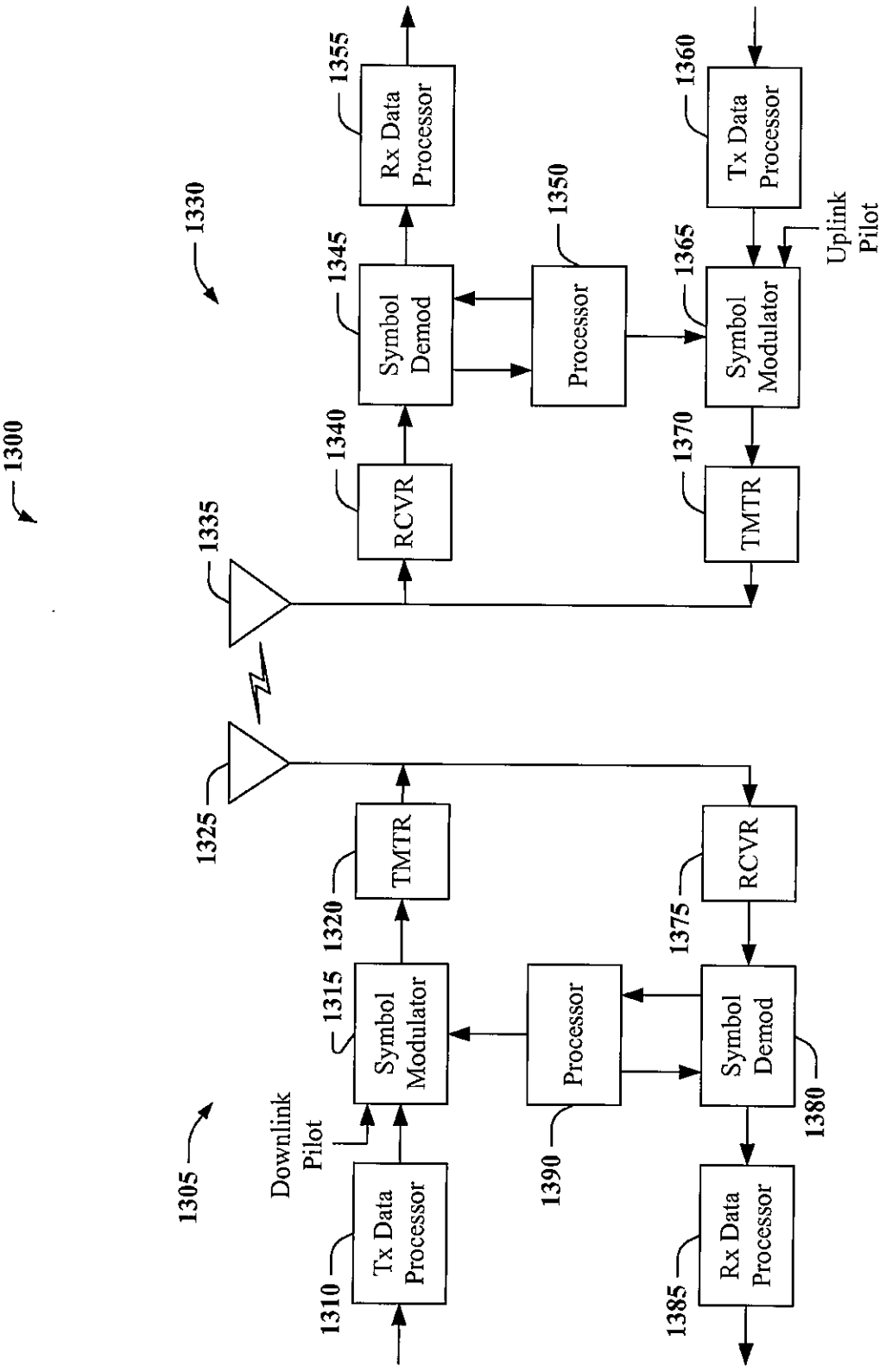

1300
1305
1310
Tx Data Processor
Downlink Pilot
1315
Symbol Modulator
1320
TMTR
1325
1330
1335
1340
RCVR
1345
Symbol Demod
1350
Processor
1355
Rx Data Processor
1360
Tx Data Processor
Uplink Pilot
1365
Symbol Modulator
1370
TMTR
1375
RCVR
1380
Symbol Demod
1385
Rx Data Processor
1390
Processor

FIG. 13

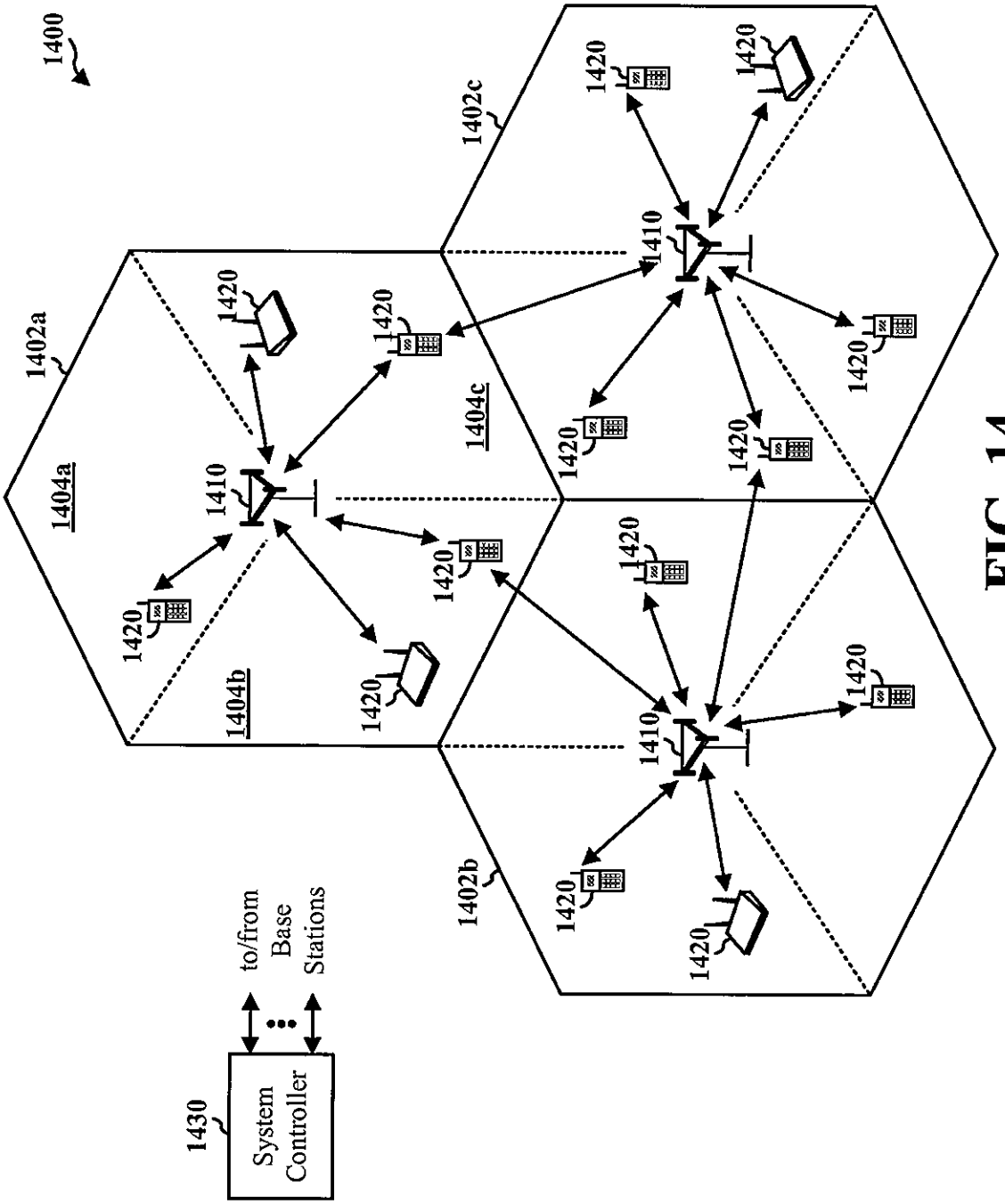

1400
1402a
1402b
1402c
1404a
1404b
1404c
1410
1420
1430
System Controller
to/from Base Stations

FIG. 14

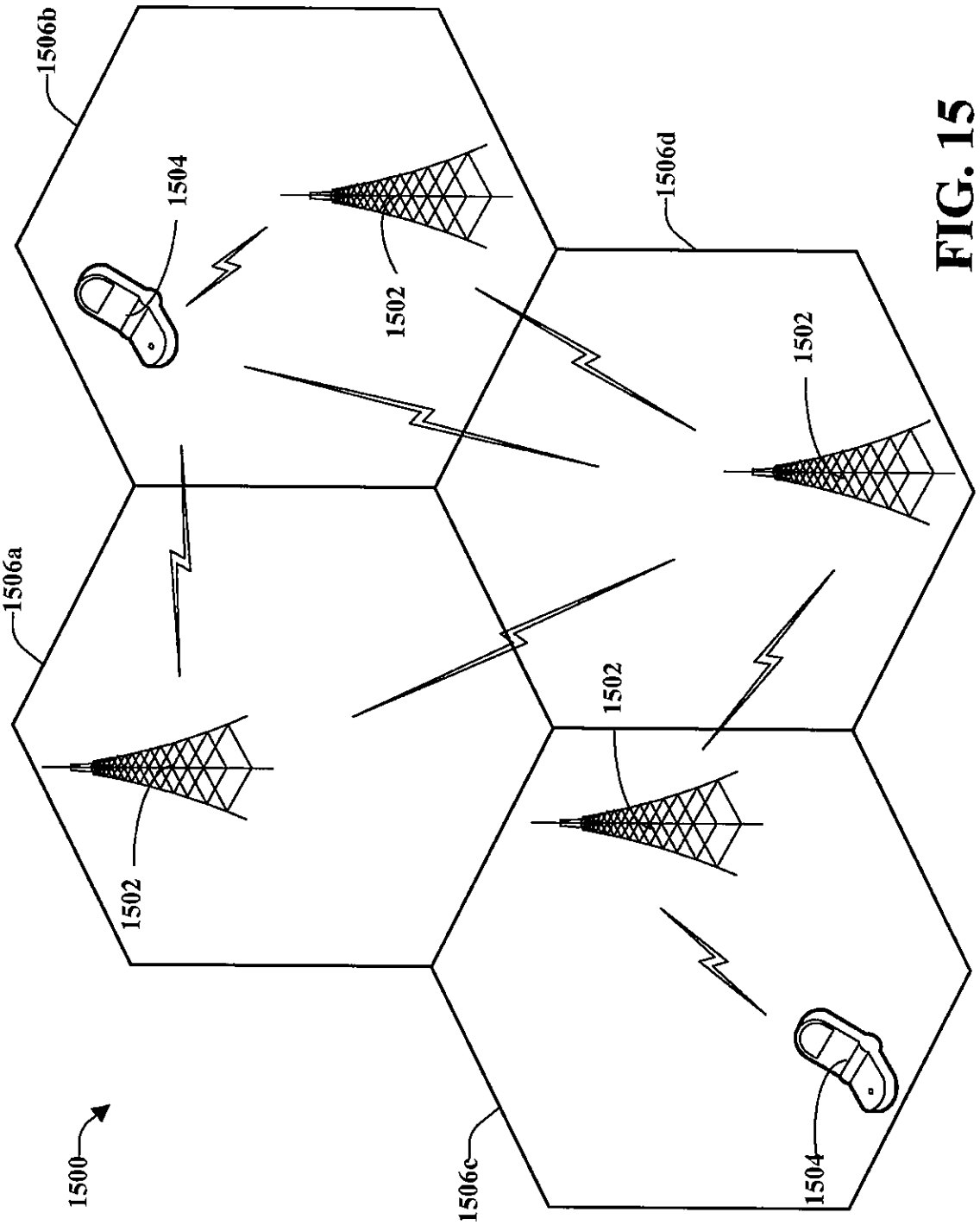


FIG. 15