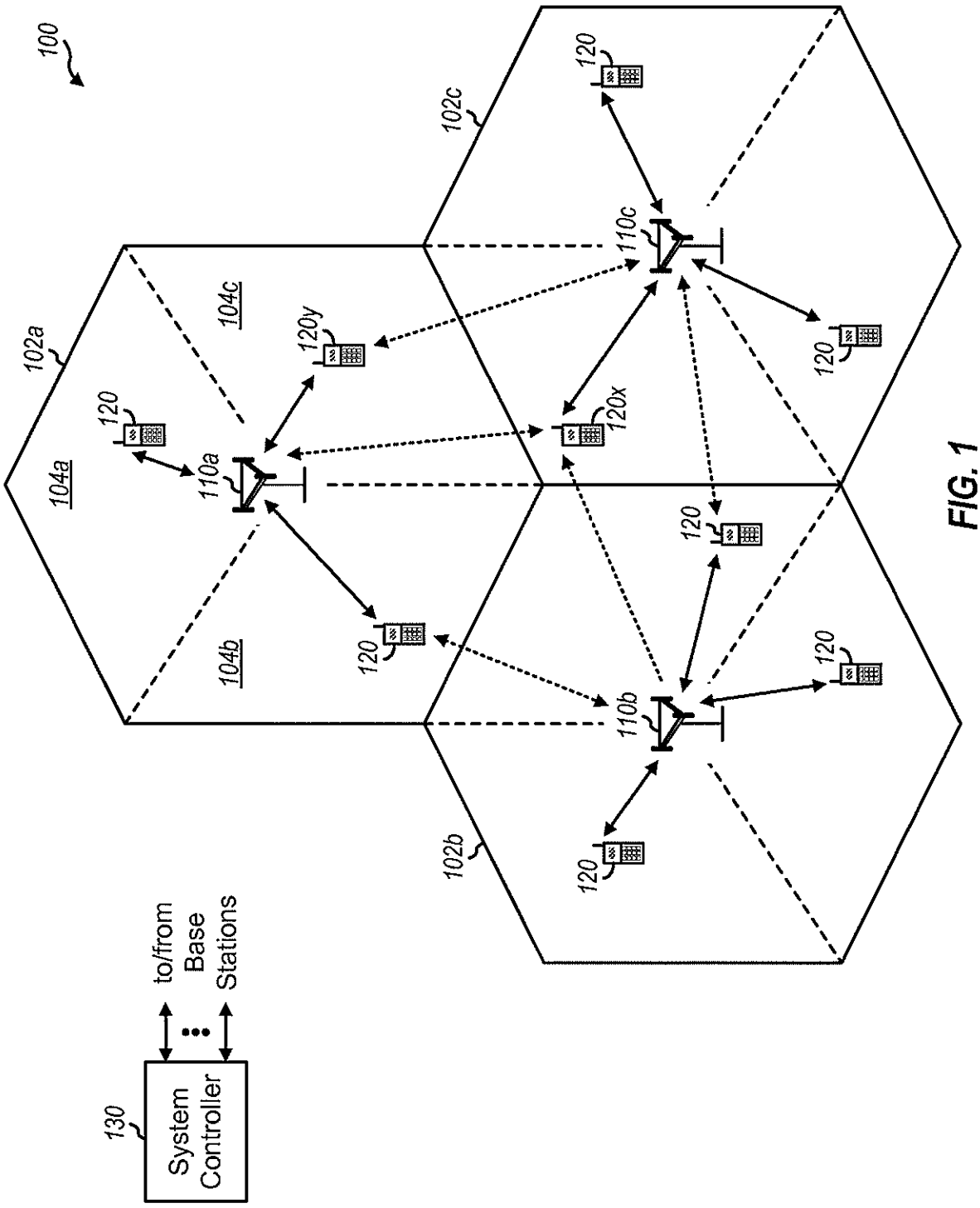

100
102a
102b
102c
104a
104b
104c
110a
110b
110c
120
120x
120y
130
System Controller
to/from Base Stations

FIG. 1

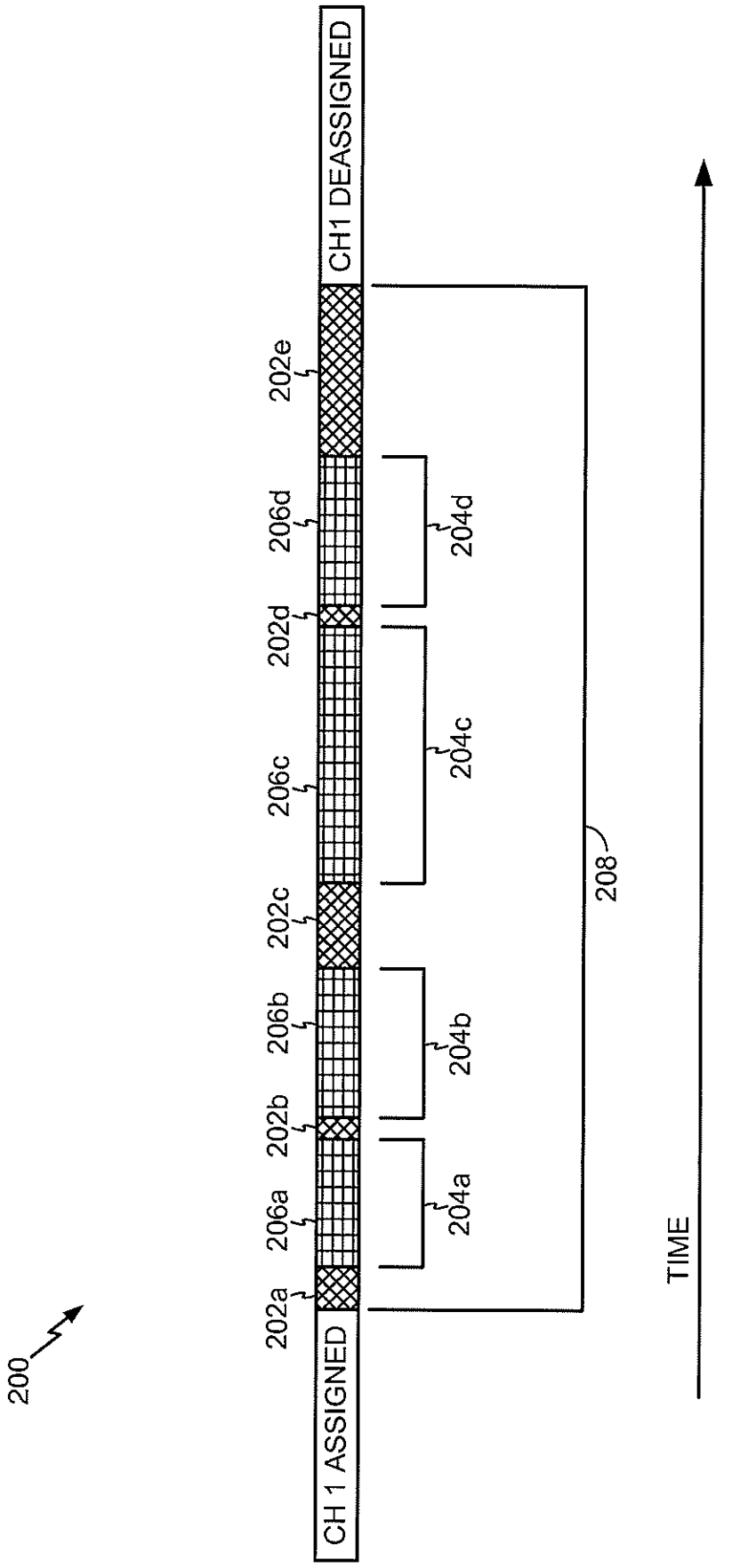

200
CH 1 ASSIGNED
CH1 DEASSIGNED
202a
206a
202b
206b
202c
206c
202d
206d
202e
204a
204b
204c
204d
208
TIME

FIG. 2

FIG. 3A

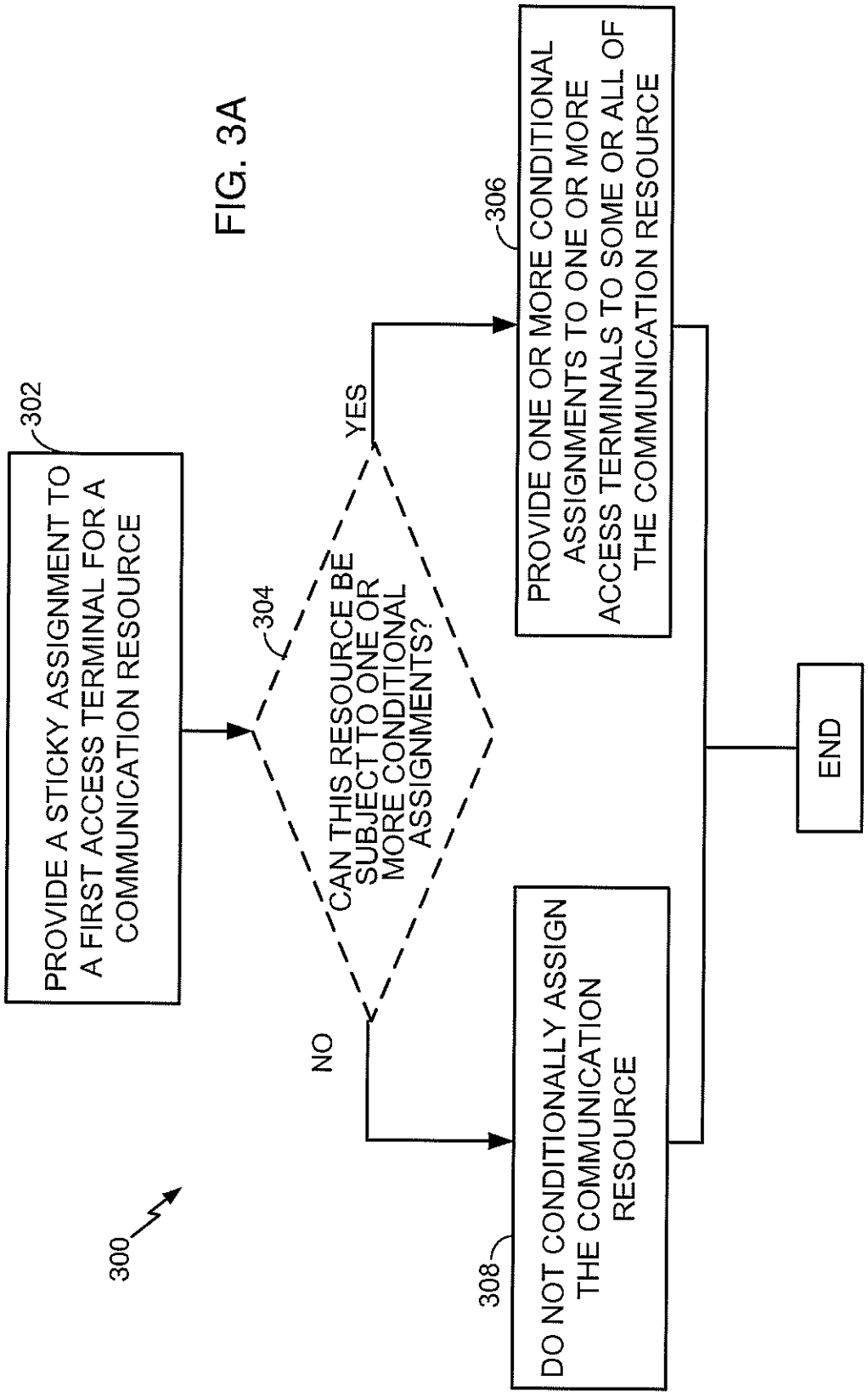

300
302
PROVIDE A STICKY ASSIGNMENT TO A FIRST ACCESS TERMINAL FOR A COMMUNICATION RESOURCE
304
CAN THIS RESOURCE BE SUBJECT TO ONE OR MORE CONDITIONAL ASSIGNMENTS?
YES
NO
306
PROVIDE ONE OR MORE CONDITIONAL ASSIGNMENTS TO ONE OR MORE ACCESS TERMINALS TO SOME OR ALL OF THE COMMUNICATION RESOURCE
308
DO NOT CONDITIONALLY ASSIGN THE COMMUNICATION RESOURCE
END

Fig. 3B

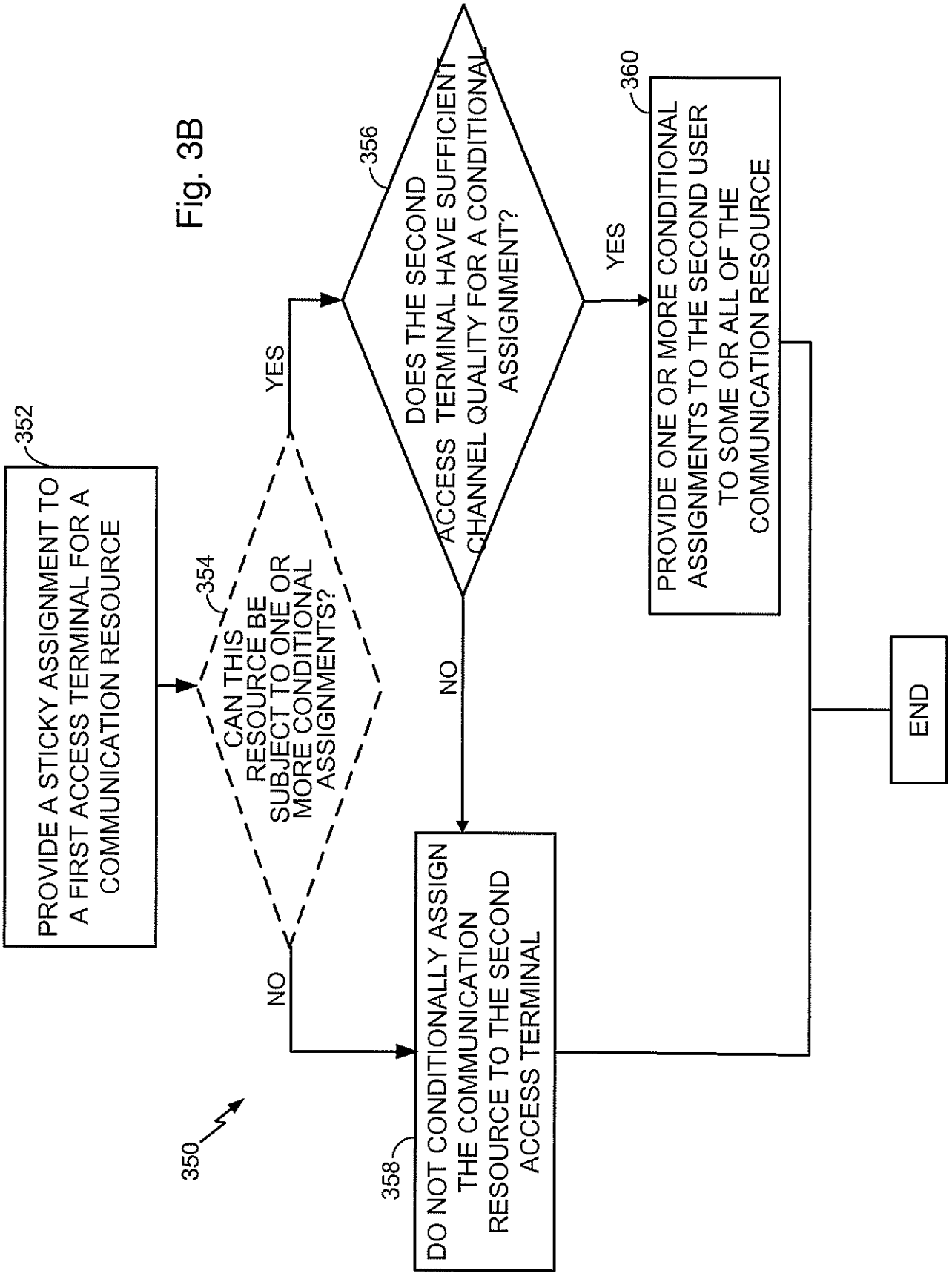

350
352
PROVIDE A STICKY ASSIGNMENT TO A FIRST ACCESS TERMINAL FOR A COMMUNICATION RESOURCE
354
CAN THIS RESOURCE BE SUBJECT TO ONE OR MORE CONDITIONAL ASSIGNMENTS?
YES
NO
356
DOES THE SECOND ACCESS TERMINAL HAVE SUFFICIENT CHANNEL QUALITY FOR A CONDITIONAL ASSIGNMENT?
YES
NO
358
DO NOT CONDITIONALLY ASSIGN THE COMMUNICATION RESOURCE TO THE SECOND ACCESS TERMINAL
360
PROVIDE ONE OR MORE CONDITIONAL ASSIGNMENTS TO THE SECOND USER TO SOME OR ALL OF THE COMMUNICATION RESOURCE
END

FIG. 3C

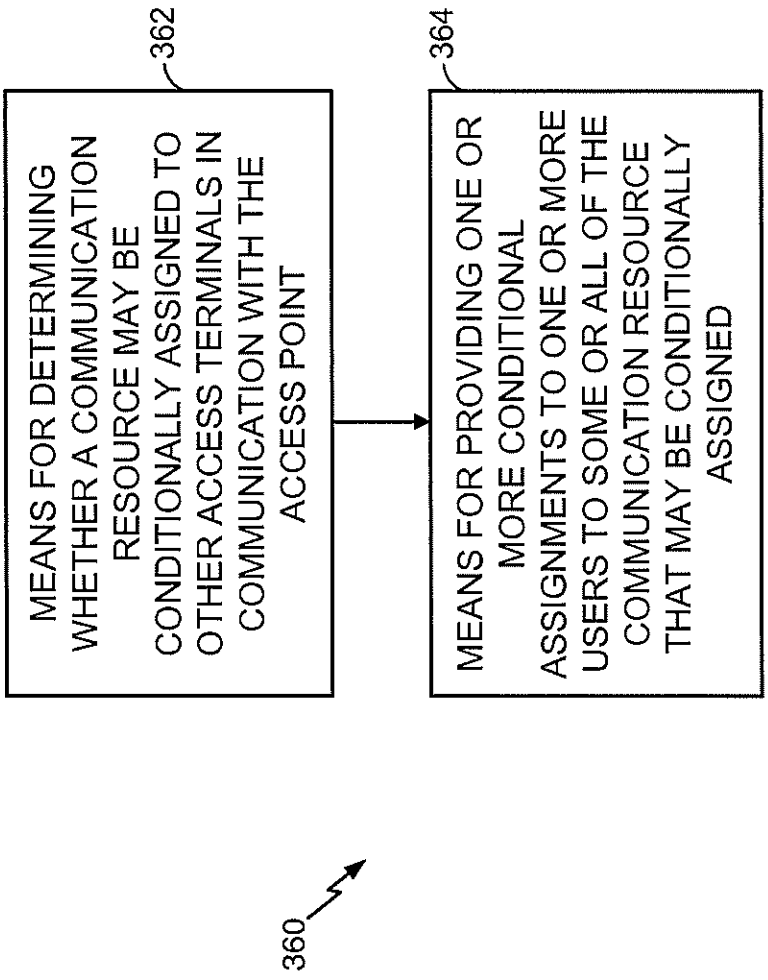
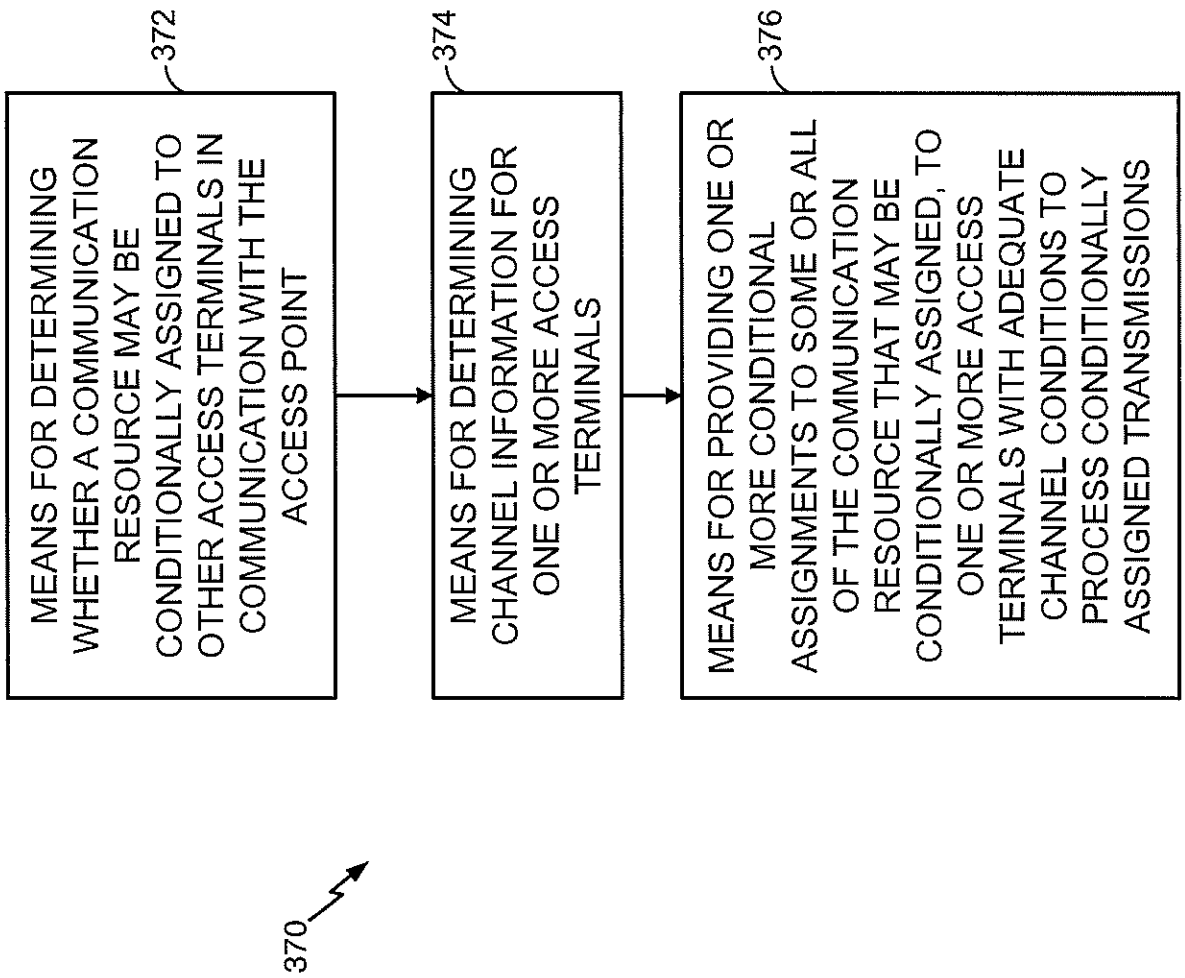

360
362
MEANS FOR DETERMINING WHETHER A COMMUNICATION RESOURCE MAY BE CONDITIONALLY ASSIGNED TO OTHER ACCESS TERMINALS IN COMMUNICATION WITH THE ACCESS POINT
364
MEANS FOR PROVIDING ONE OR MORE CONDITIONAL ASSIGNMENTS TO ONE OR MORE USERS TO SOME OR ALL OF THE COMMUNICATION RESOURCE THAT MAY BE CONDITIONALLY ASSIGNED

FIG. 3D


370
MEANS FOR DETERMINING WHETHER A COMMUNICATION RESOURCE MAY BE CONDITIONALLY ASSIGNED TO OTHER ACCESS TERMINALS IN COMMUNICATION WITH THE ACCESS POINT
372
MEANS FOR DETERMINING CHANNEL INFORMATION FOR ONE OR MORE ACCESS TERMINALS
374
MEANS FOR PROVIDING ONE OR MORE CONDITIONAL ASSIGNMENTS TO SOME OR ALL OF THE COMMUNICATION RESOURCE THAT MAY BE CONDITIONALLY ASSIGNED, TO ONE OR MORE ACCESS TERMINALS WITH ADEQUATE CHANNEL CONDITIONS TO PROCESS CONDITIONALLY ASSIGNED TRANSMISSIONS
376

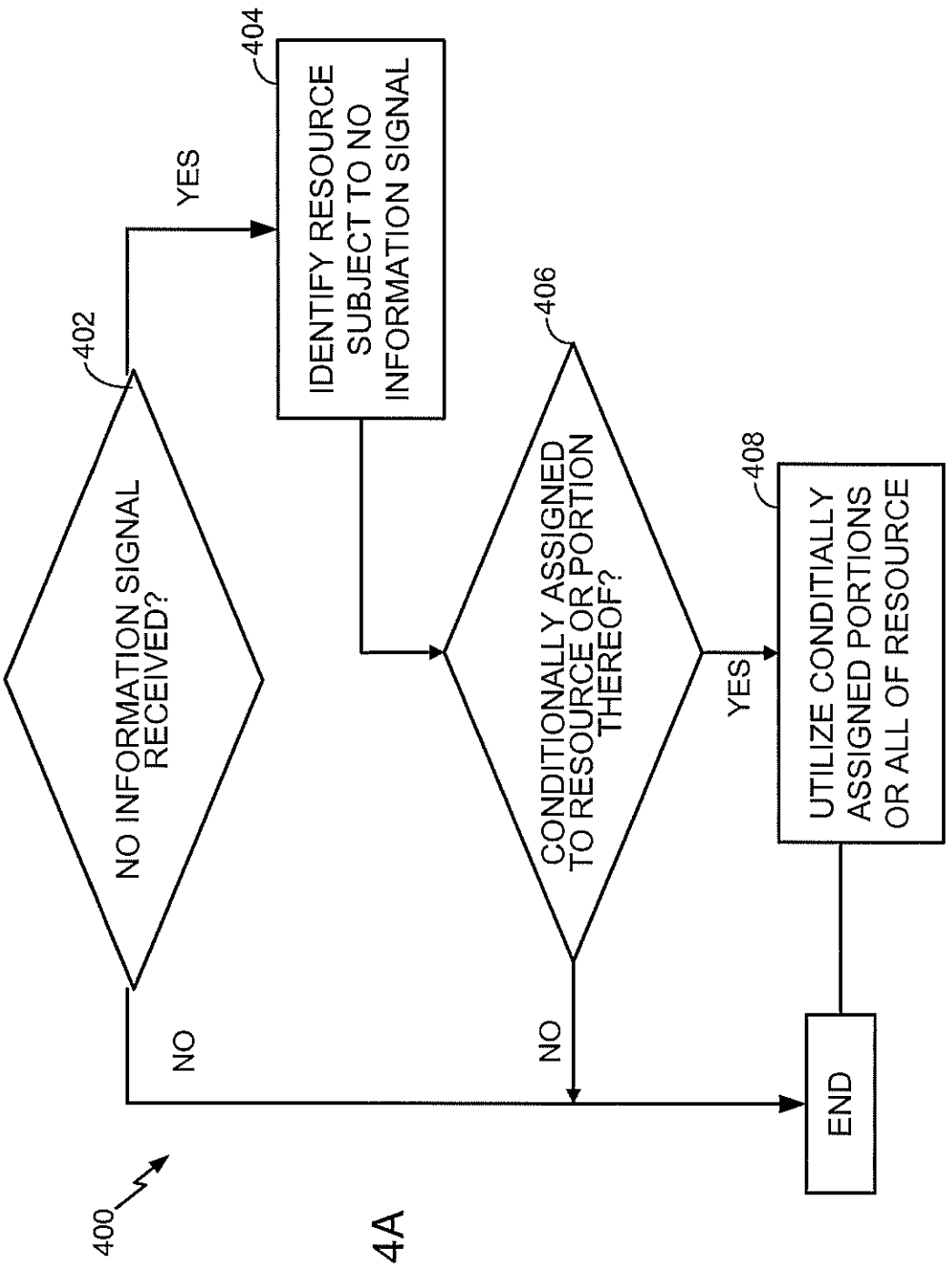

400
402
NO INFORMATION SIGNAL RECEIVED?
YES
NO
404
IDENTIFY RESOURCE SUBJECT TO NO INFORMATION SIGNAL
406
CONDITIONALLY ASSIGNED TO RESOURCE OR PORTION THEREOF?
YES
NO
408
UTILIZE CONDITIALLY ASSIGNED PORTIONS OR ALL OF RESOURCE
END

FIG. 4A

FIG. 4B

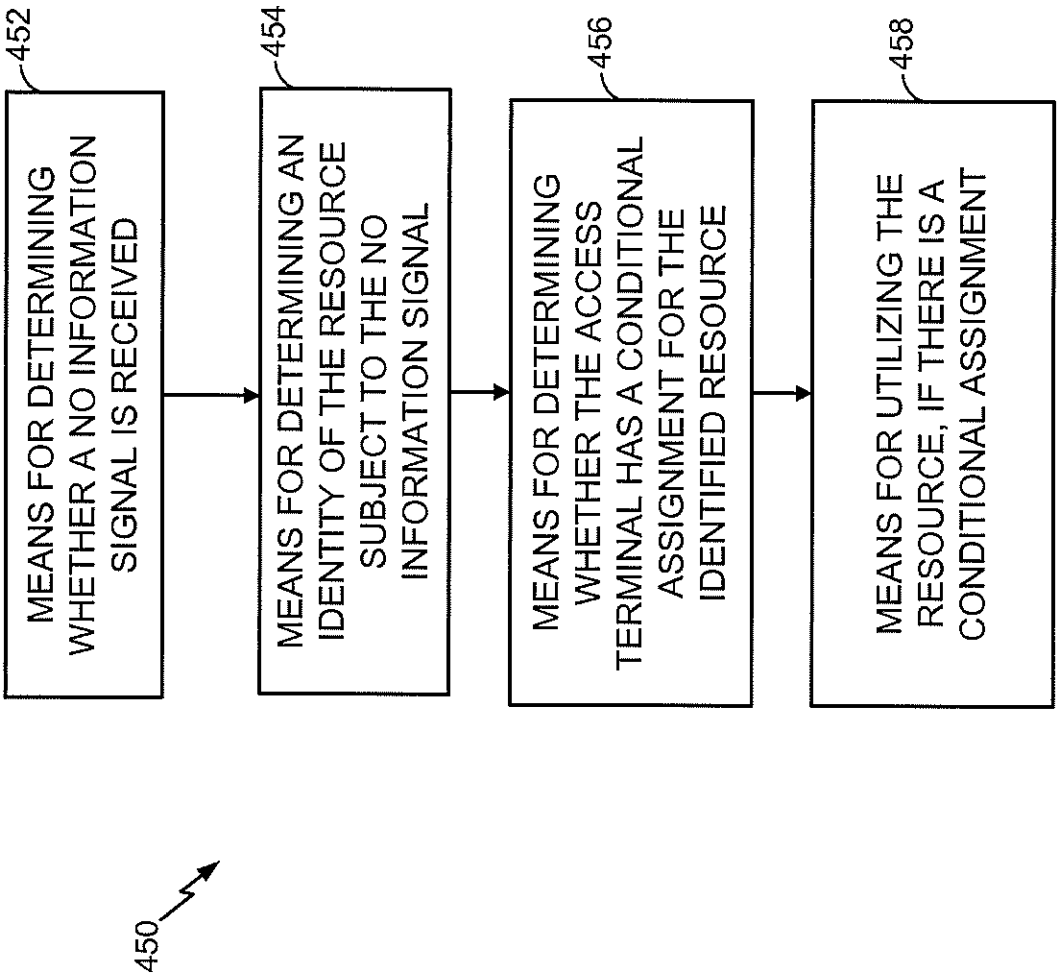

450
452
MEANS FOR DETERMINING WHETHER A NO INFORMATION SIGNAL IS RECEIVED
454
MEANS FOR DETERMINING AN IDENTITY OF THE RESOURCE SUBJECT TO THE NO INFORMATION SIGNAL
456
MEANS FOR DETERMINING WHETHER THE ACCESS TERMINAL HAS A CONDITIONAL ASSIGNMENT FOR THE IDENTIFIED RESOURCE
458
MEANS FOR UTILIZING THE RESOURCE, IF THERE IS A CONDITIONAL ASSIGNMENT

FIG. 5A

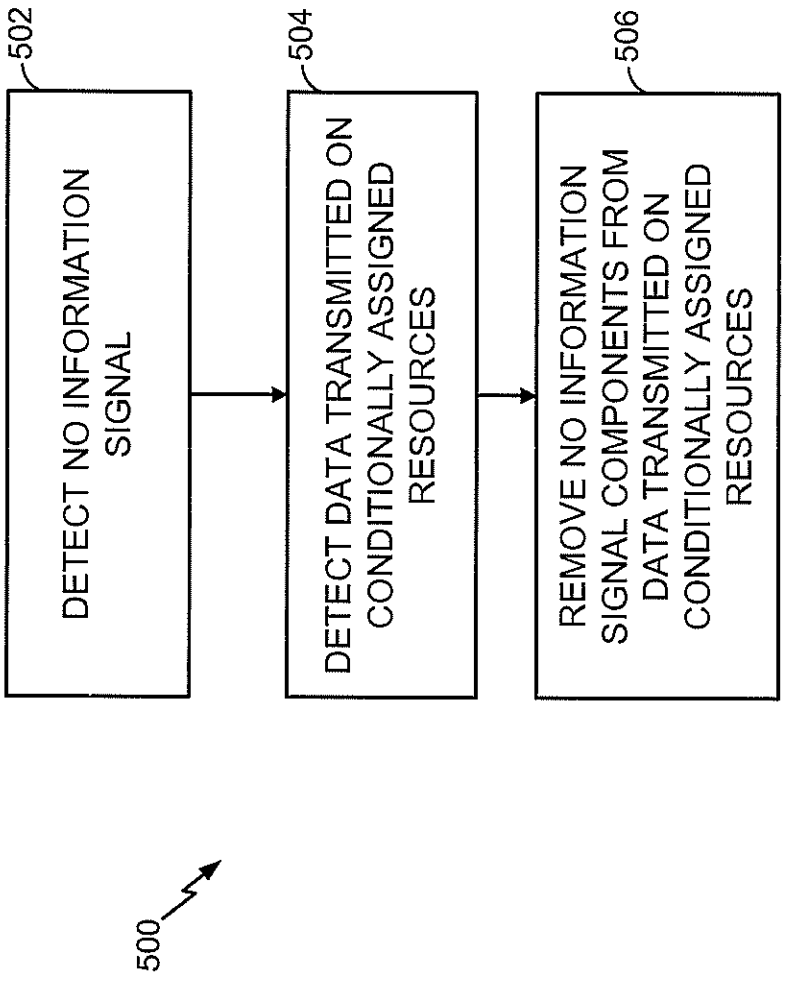
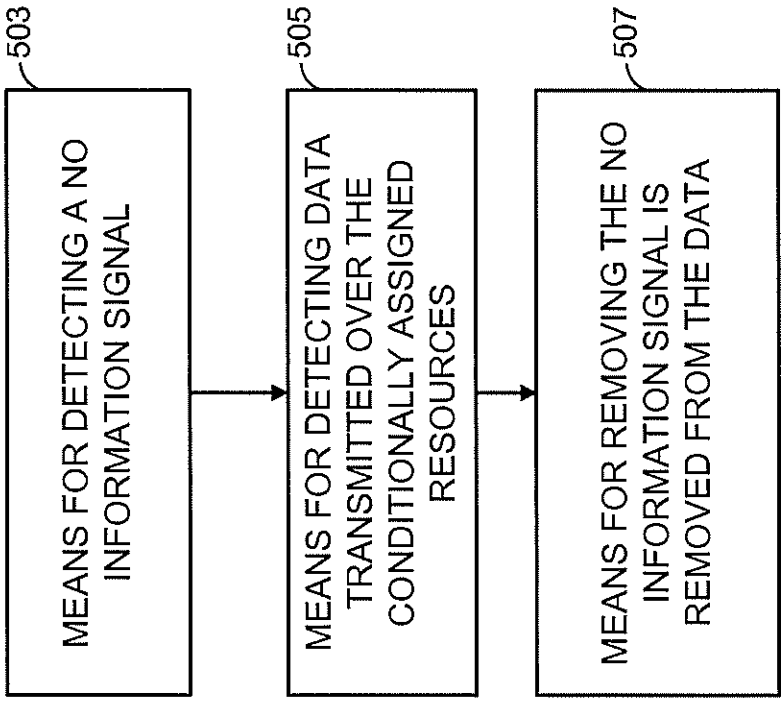

502
DETECT NO INFORMATION SIGNAL
504
DETECT DATA TRANSMITTED ON CONDITIONALLY ASSIGNED RESOURCES
506
REMOVE NO INFORMATION SIGNAL COMPONENTS FROM DATA TRANSMITTED ON CONDITIONALLY ASSIGNED RESOURCES
500

FIG. 5B


503
MEANS FOR DETECTING A NO INFORMATION SIGNAL
505
MEANS FOR DETECTING DATA TRANSMITTED OVER THE CONDITIONALLY ASSIGNED RESOURCES
507
MEANS FOR REMOVING THE NO INFORMATION SIGNAL IS REMOVED FROM THE DATA

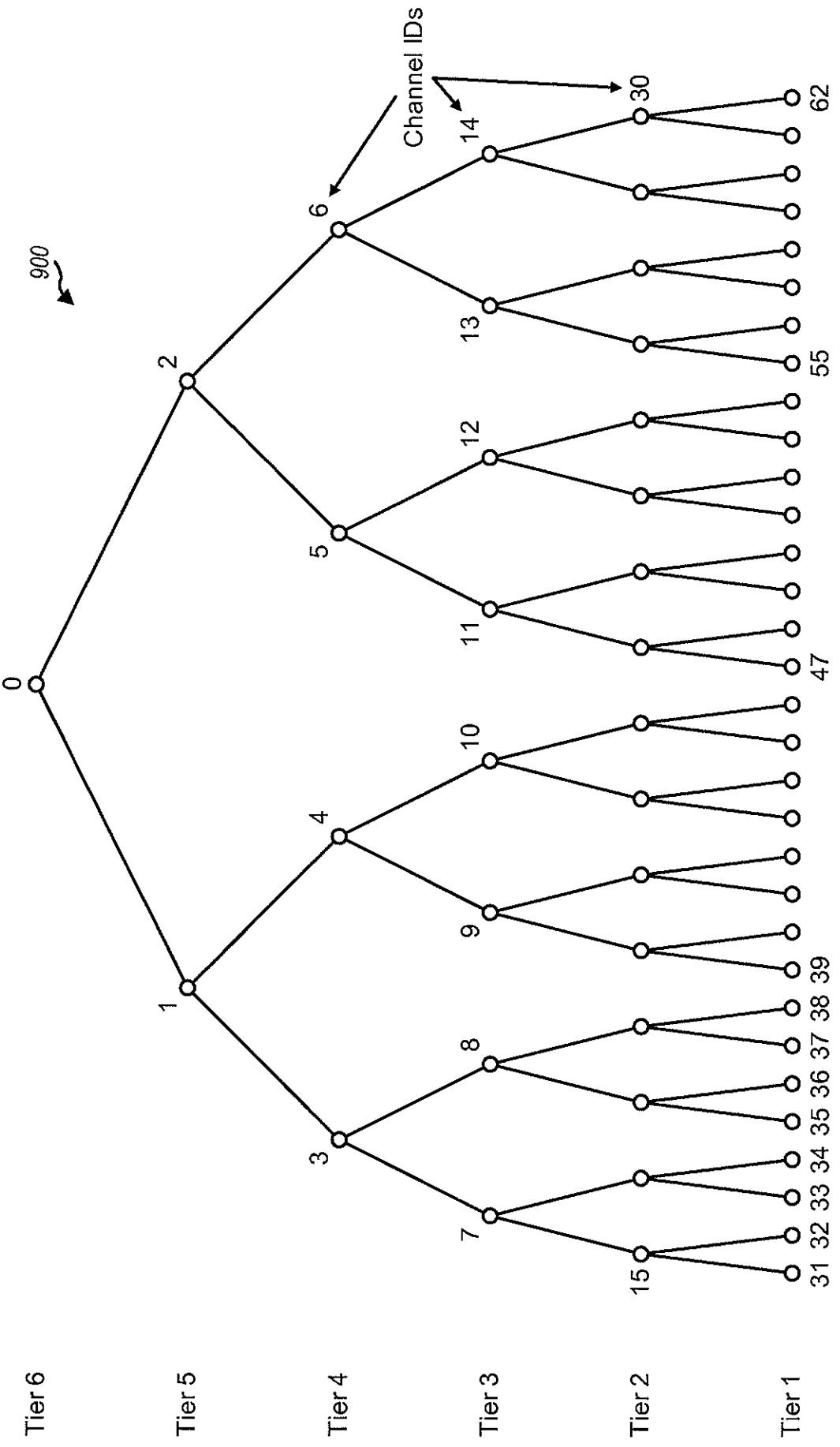

900
Channel IDs
Tier 6
Tier 5
Tier 4
Tier 3
Tier 2
Tier 1
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
30
31 32 33 34 35 36 37 38 39
47
55
62

FIG. 6

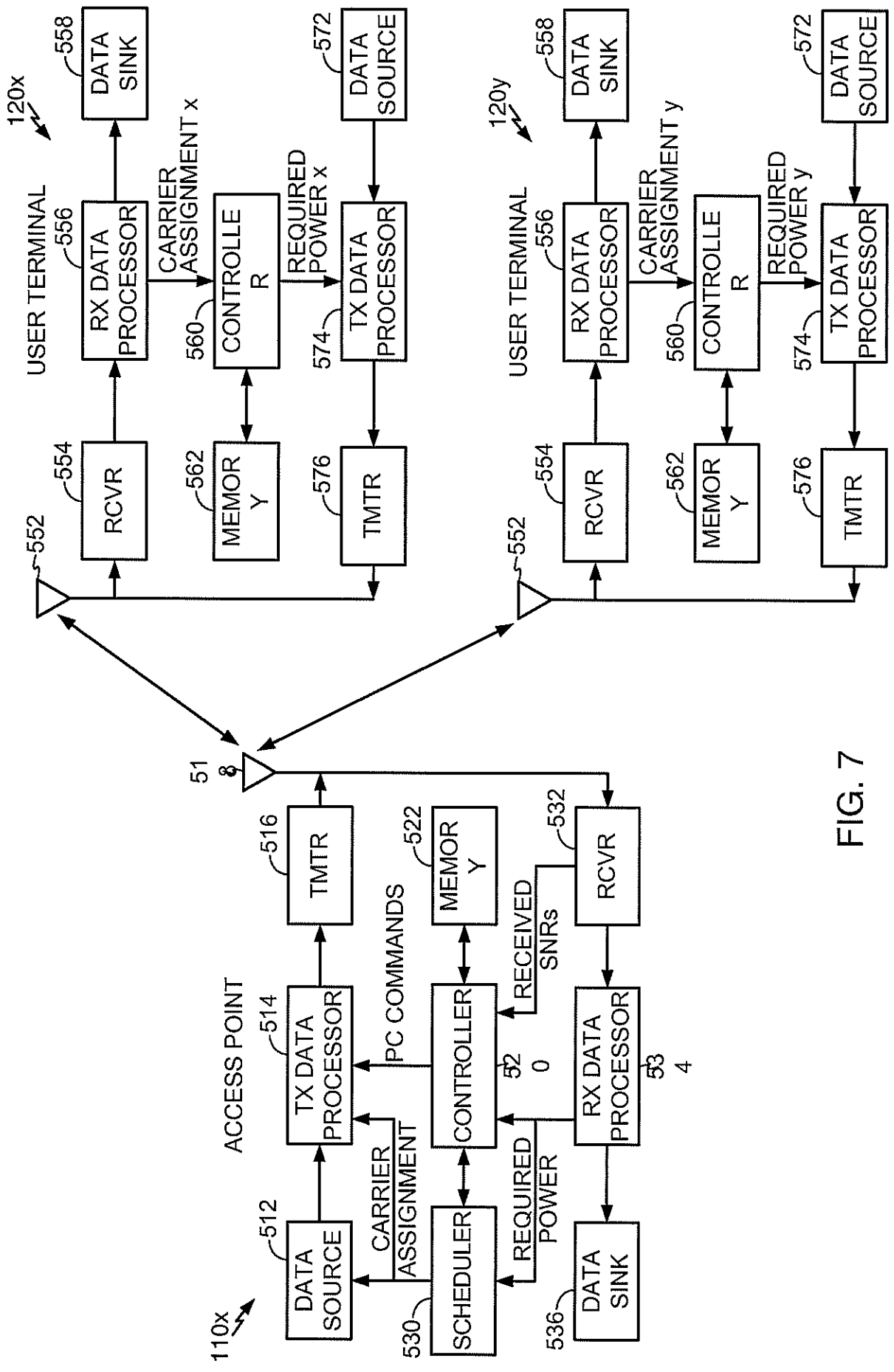

110x
ACCESS POINT
DATA SOURCE
512
TX DATA PROCESSOR
514
TMTR
516
CARRIER ASSIGNMENT
SCHEDULER
530
CONTROLLER
520
PC COMMANDS
MEMOR Y
522
REQUIRED POWER
RECEIVED SNRs
RX DATA PROCESSOR
534
RCVR
532
DATA SINK
536
518
120x
USER TERMINAL
RX DATA PROCESSOR
556
RCVR
554
552
DATA SINK
558
CARRIER ASSIGNMENT x
CONTROLLE R
560
MEMOR Y
562
REQUIRED POWER x
TX DATA PROCESSOR
574
TMTR
576
DATA SOURCE
572
120y
USER TERMINAL
RX DATA PROCESSOR
556
RCVR
554
552
DATA SINK
558
CARRIER ASSIGNMENT y
CONTROLLE R
560
MEMOR Y
562
REQUIRED POWER y
TX DATA PROCESSOR
574
TMTR
576
DATA SOURCE
572

FIG. 7