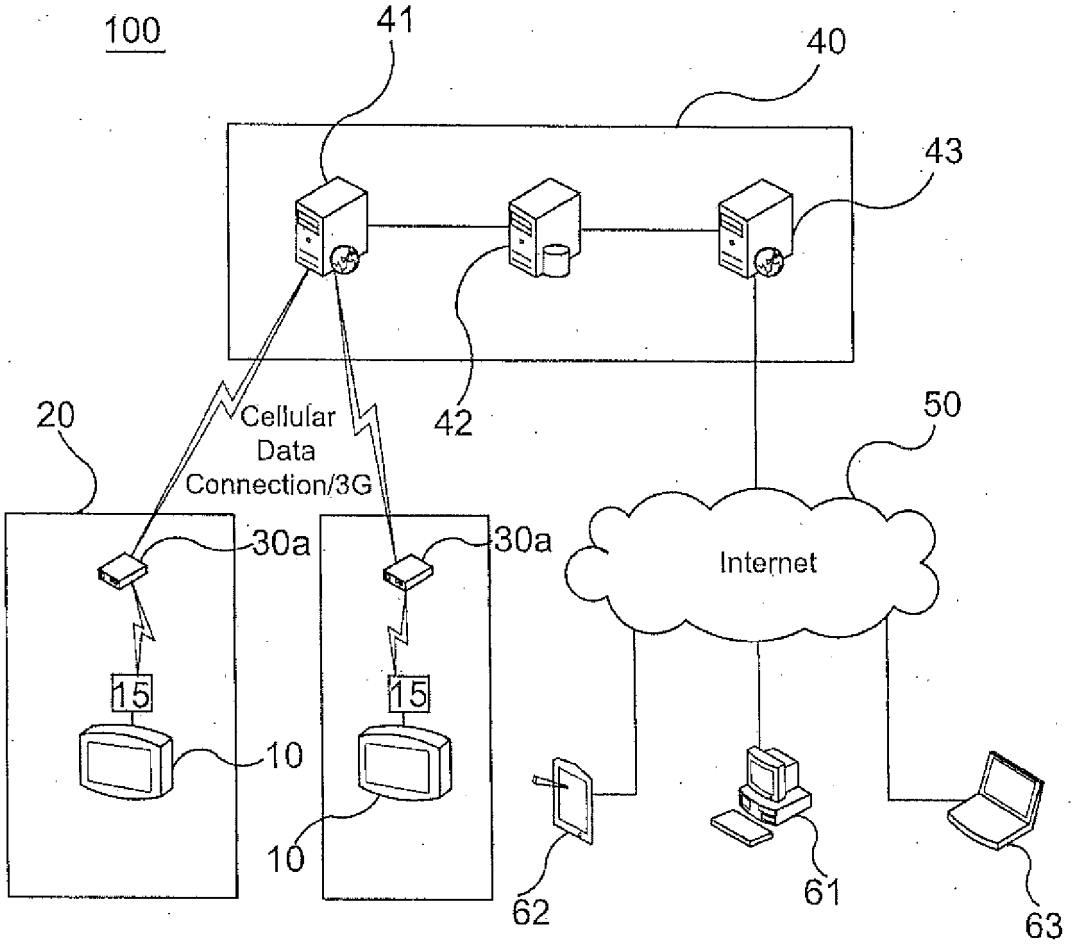
100
41
40
43
42
20
Cellular
Data
Connection/3G
50
30a
30a
Internet
15
15
10
10
62
61
63

FIG.1

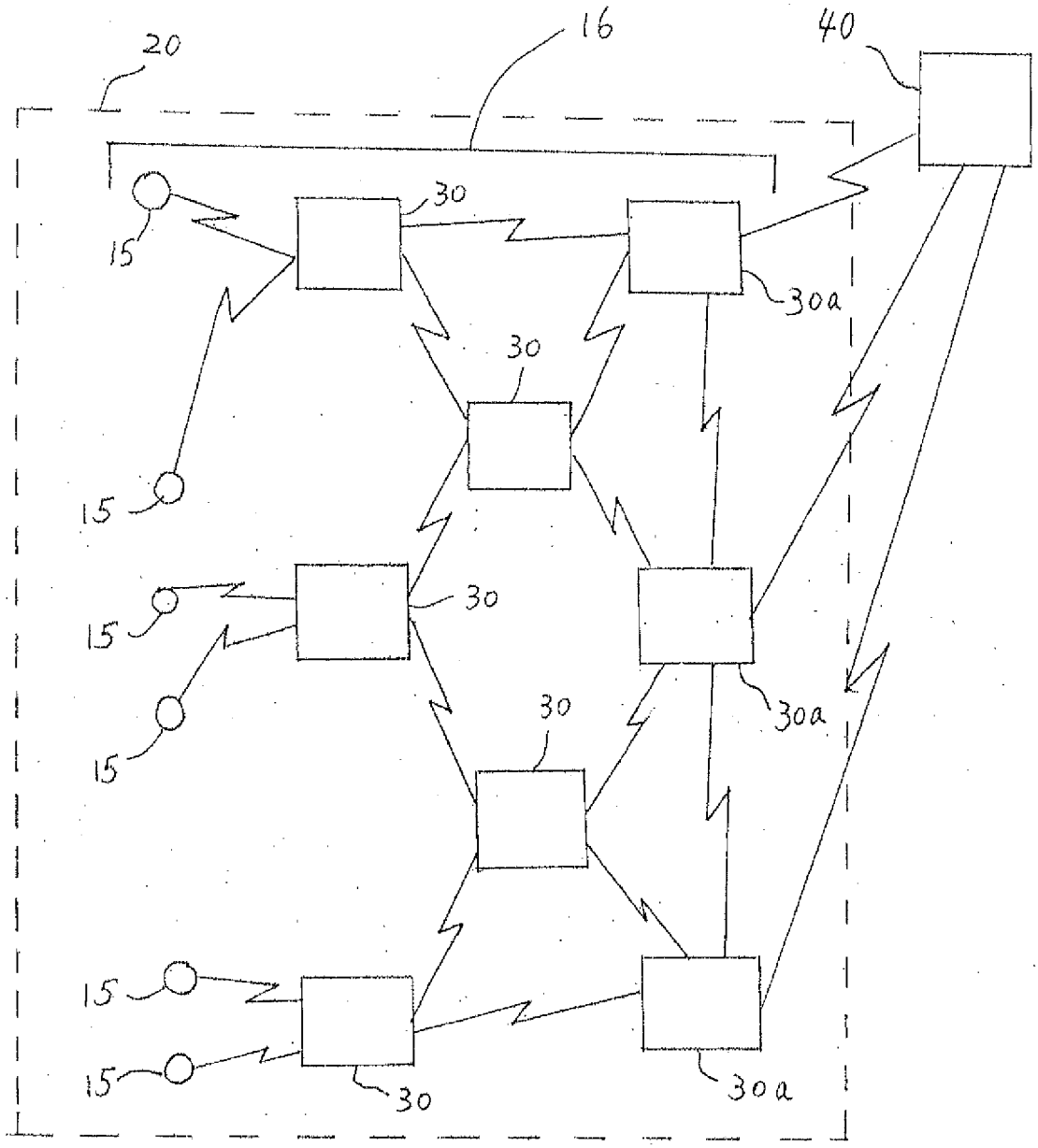

FIG. 2

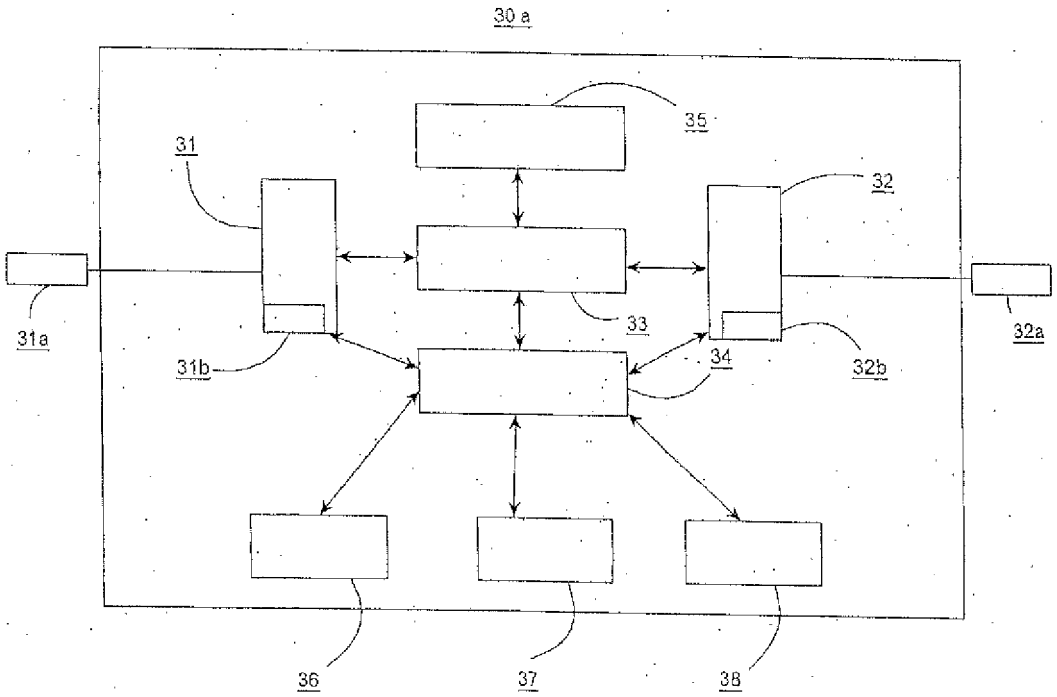

FIG. 3

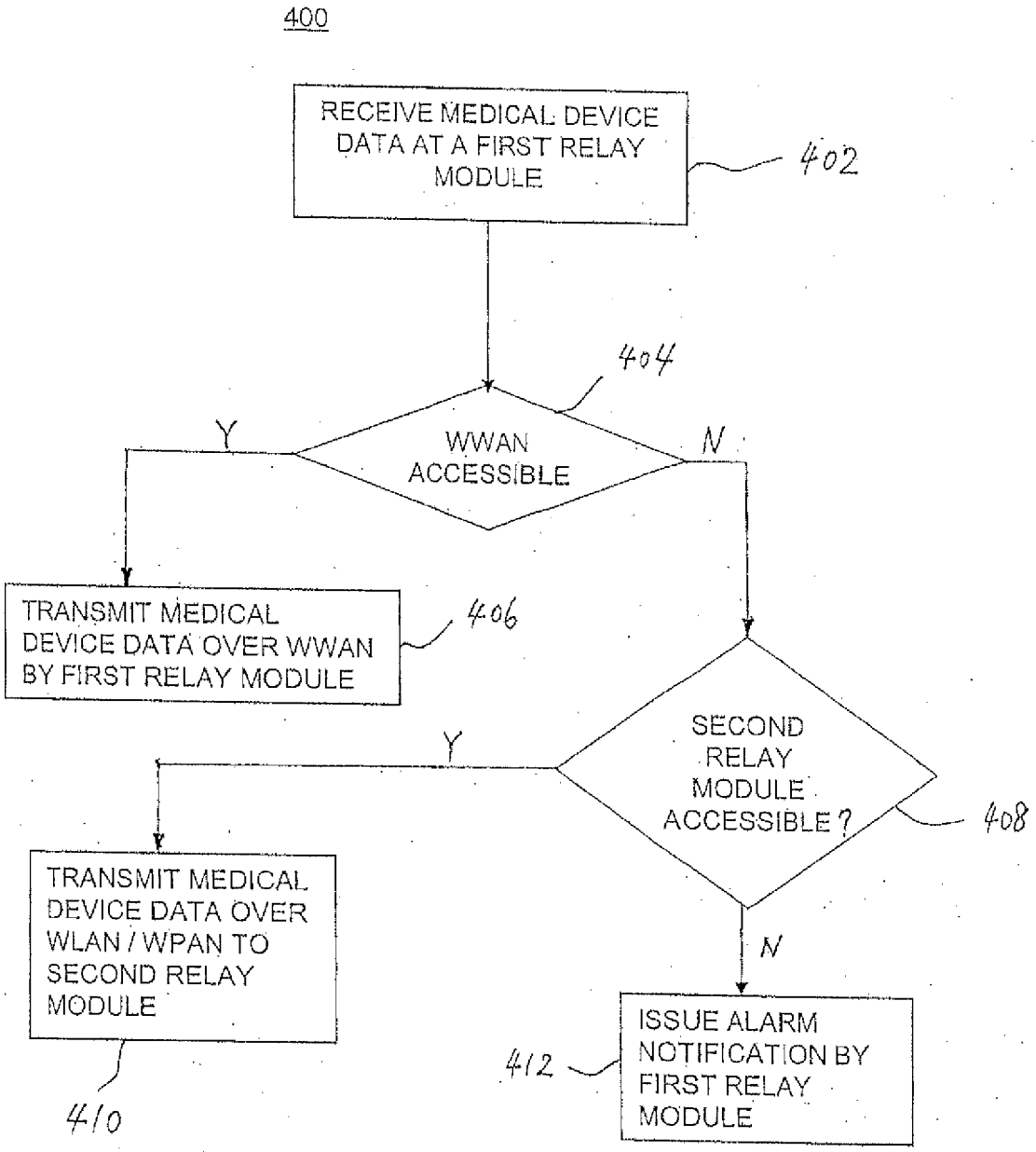
400
RECEIVE MEDICAL DEVICE DATA AT A FIRST RELAY MODULE
402
404
WWAN ACCESSIBLE
Y
N
TRANSMIT MEDICAL DEVICE DATA OVER WWAN BY FIRST RELAY MODULE
406
SECOND RELAY MODULE ACCESSIBLE?
408
Y
N
TRANSMIT MEDICAL DEVICE DATA OVER WLAN / WPAN TO SECOND RELAY MODULE
410
ISSUE ALARM NOTIFICATION BY FIRST RELAY MODULE
412

FIG. 4

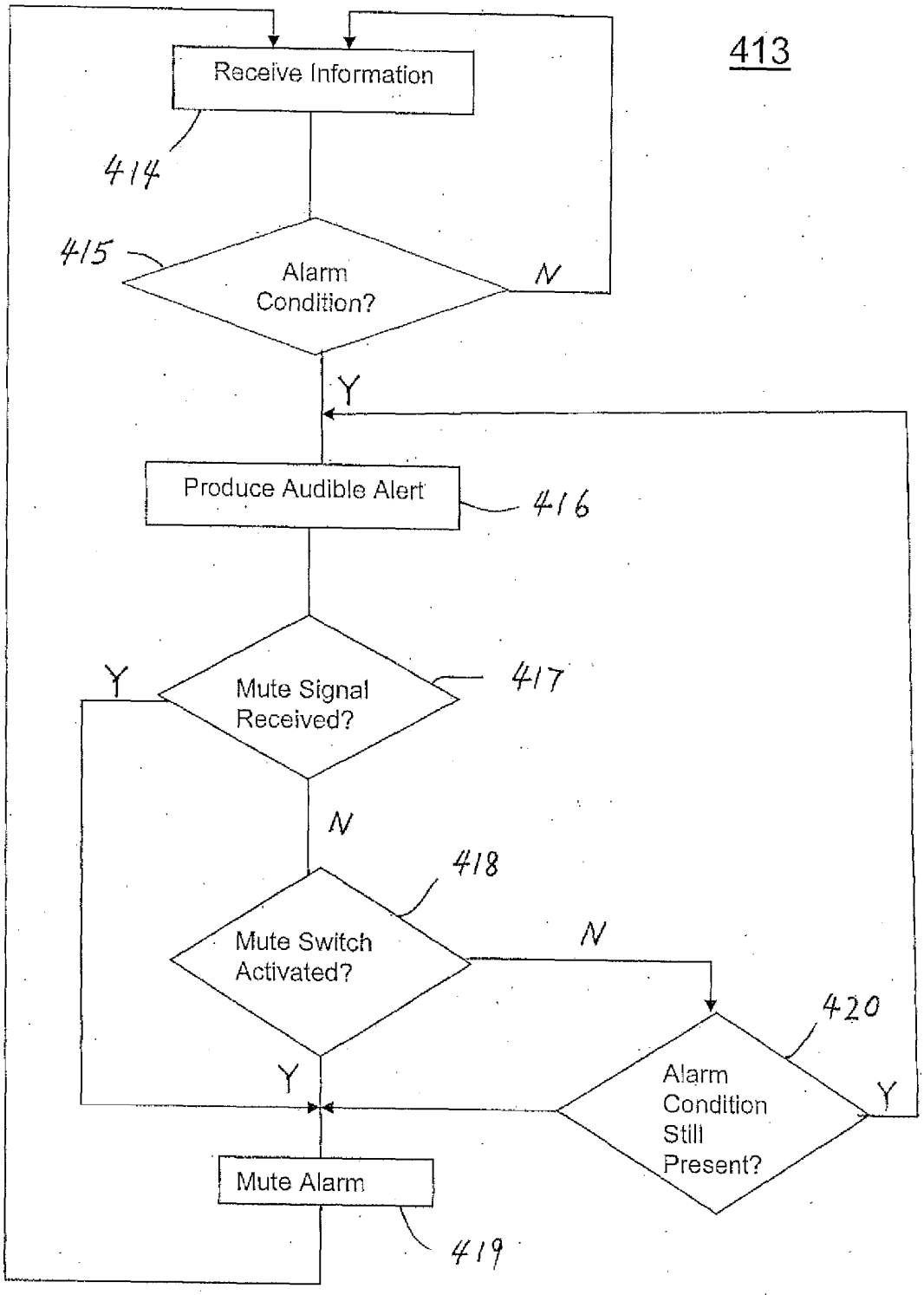
413
Receive Information
414
415
Alarm Condition?
N
Y
Produce Audible Alert
416
Mute Signal Received?
417
Y
N
418
Mute Switch Activated?
N
420
Alarm Condition Still Present?
Y
Y
Mute Alarm
419

FIG. 5

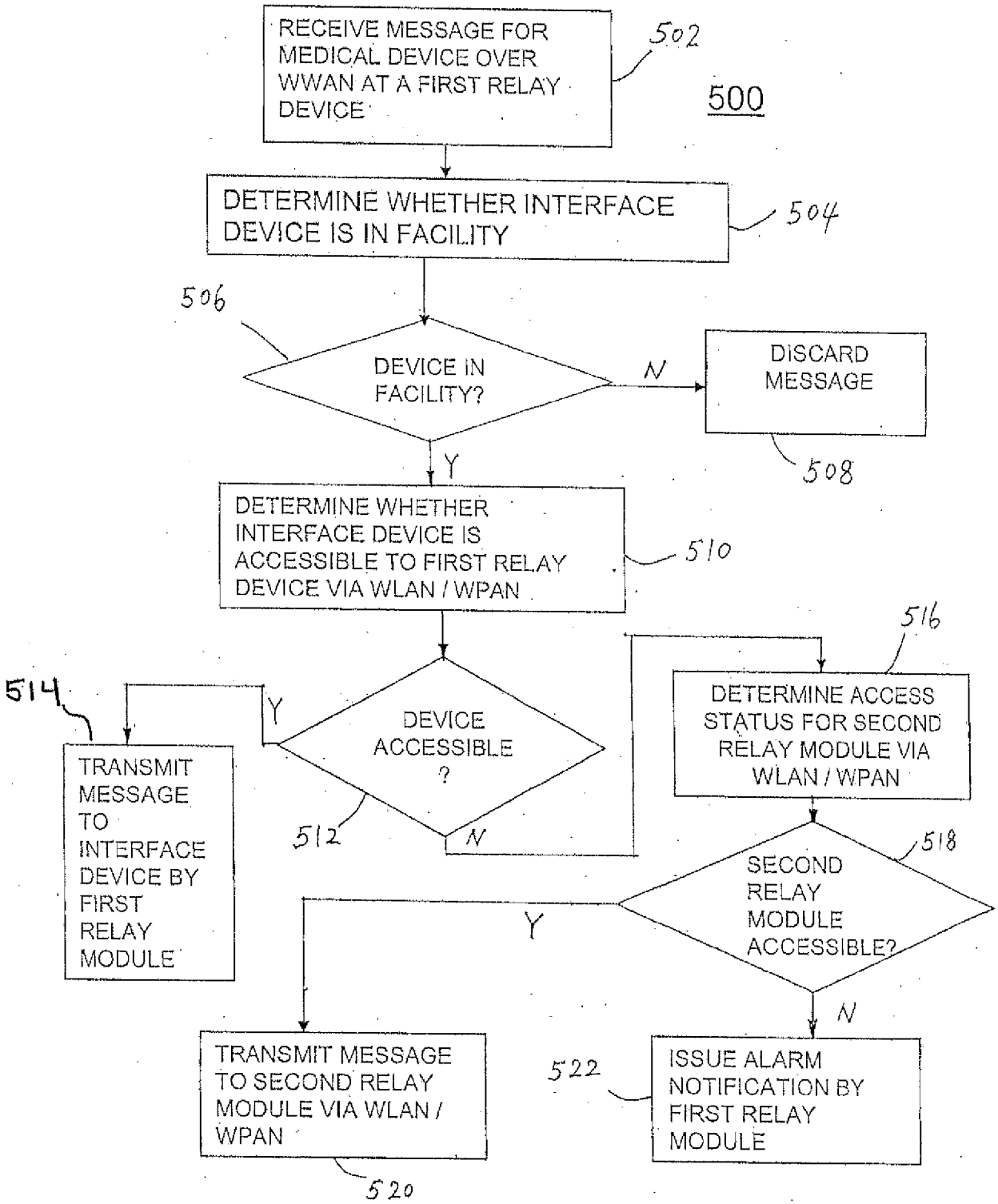
RECEIVE MESSAGE FOR MEDICAL DEVICE OVER WWAN AT A FIRST RELAY DEVICE
502
500
DETERMINE WHETHER INTERFACE DEVICE IS IN FACILITY
504
506
DEVICE IN FACILITY?
N
DISCARD MESSAGE
508
Y
DETERMINE WHETHER INTERFACE DEVICE IS ACCESSIBLE TO FIRST RELAY DEVICE VIA WLAN / WPAN
510
516
514
Y
DEVICE ACCESSIBLE ?
512
N
DETERMINE ACCESS STATUS FOR SECOND RELAY MODULE VIA WLAN / WPAN
TRANSMIT MESSAGE TO INTERFACE DEVICE BY FIRST RELAY MODULE
518
SECOND RELAY MODULE ACCESSIBLE?
Y
N
TRANSMIT MESSAGE TO SECOND RELAY MODULE VIA WLAN / WPAN
520
522
ISSUE ALARM NOTIFICATION BY FIRST RELAY MODULE

FIG. 6

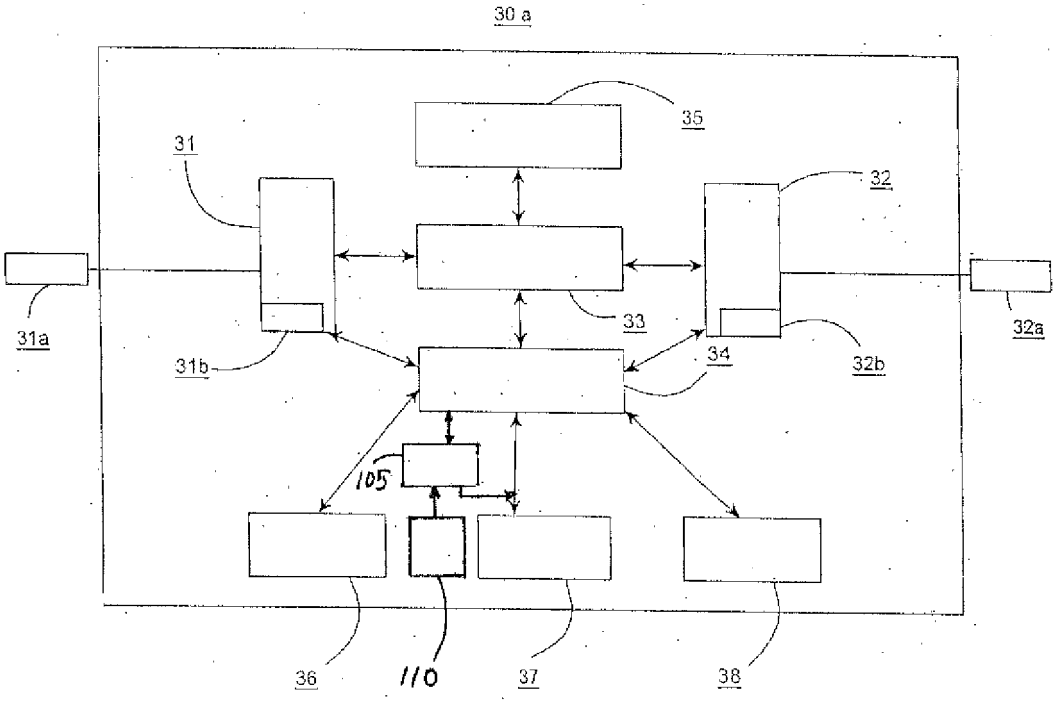

FIG. 7