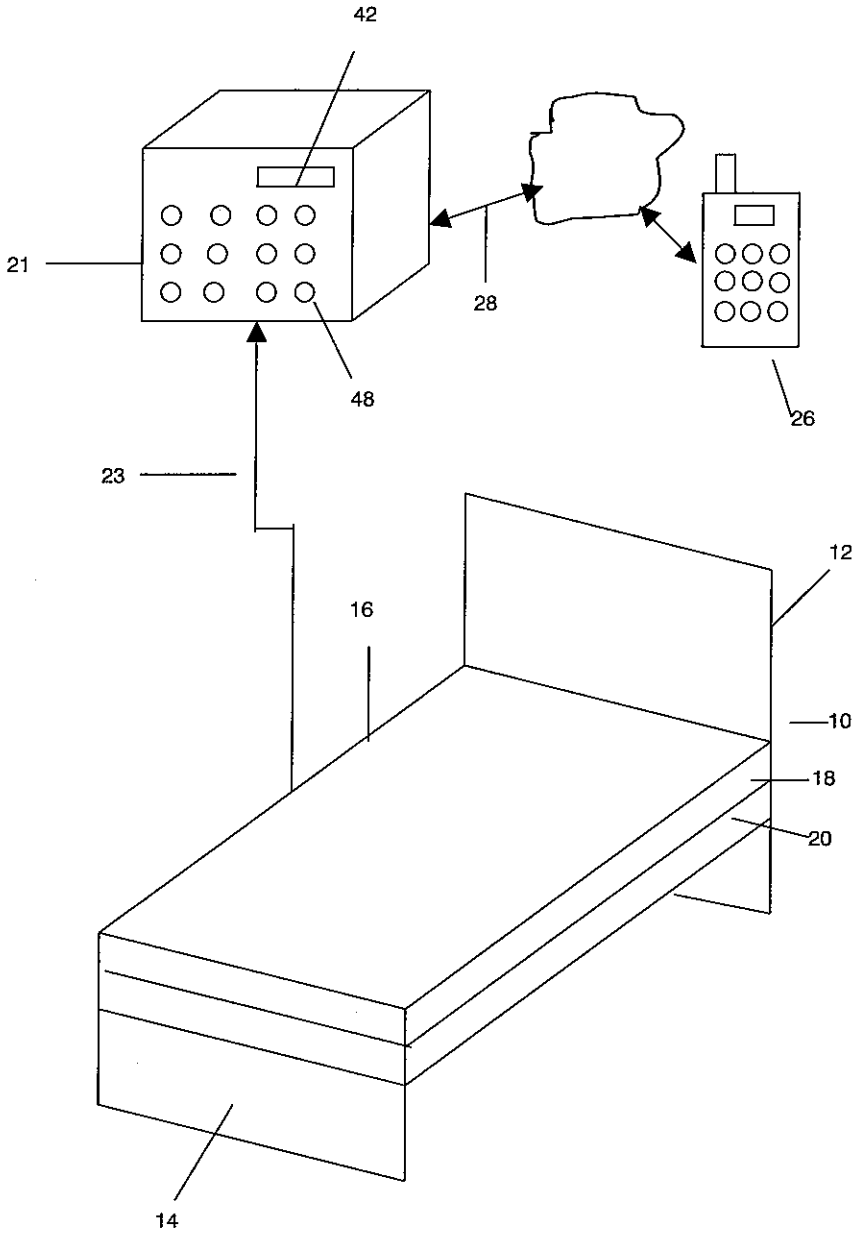


FIGURE 1

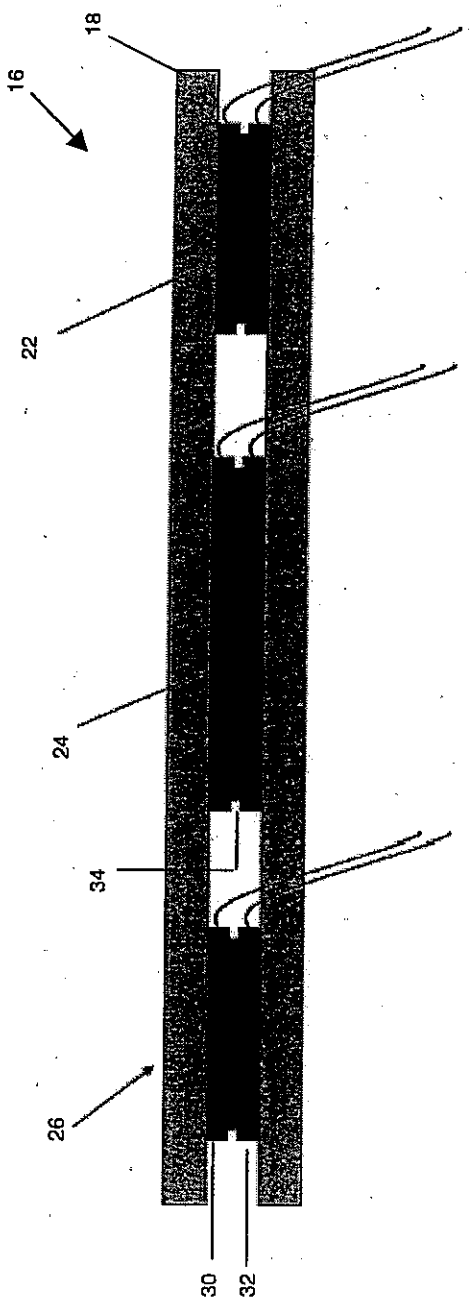


FIGURE 2

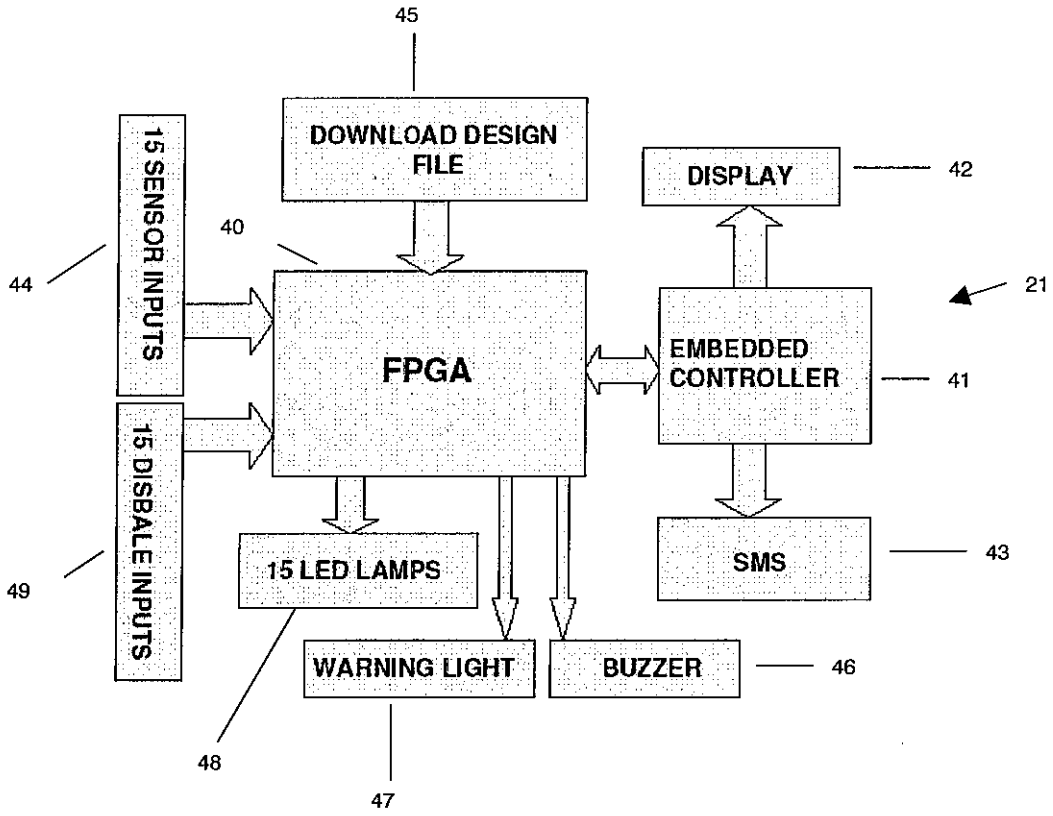

45
DOWNLOAD DESIGN FILE
DISPLAY
42
40
44
15 SENSOR INPUTS
FPGA
EMBEDDED CONTROLLER
21
41
15 DISBALE INPUTS
49
15 LED LAMPS
SMS
43
WARNING LIGHT
BUZZER
46
48
47

FIGURE 3

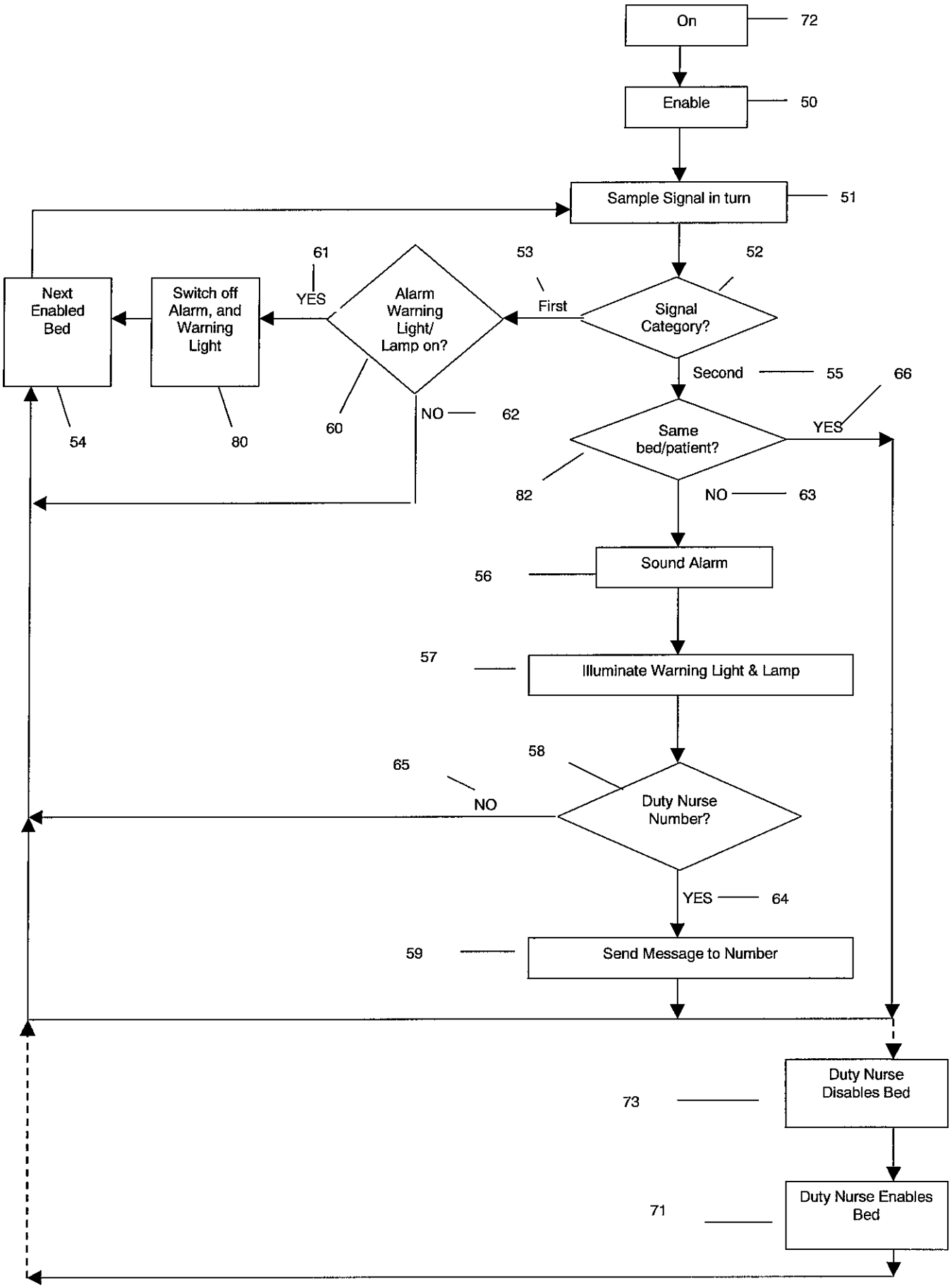

On
72
Enable
50
Sample Signal in turn
51
61
53
52
Next Enabled Bed
Switch off Alarm, and Warning Light
YES
Alarm Warning Light/ Lamp on?
First
Signal Category?
Second
55
66
NO
62
Same bed/patient?
YES
54
80
60
82
NO
63
Sound Alarm
56
57
Illuminate Warning Light & Lamp
58
65
NO
Duty Nurse Number?
YES
64
59
Send Message to Number
Duty Nurse Disables Bed
73
Duty Nurse Enables Bed
71

FIGURE 4