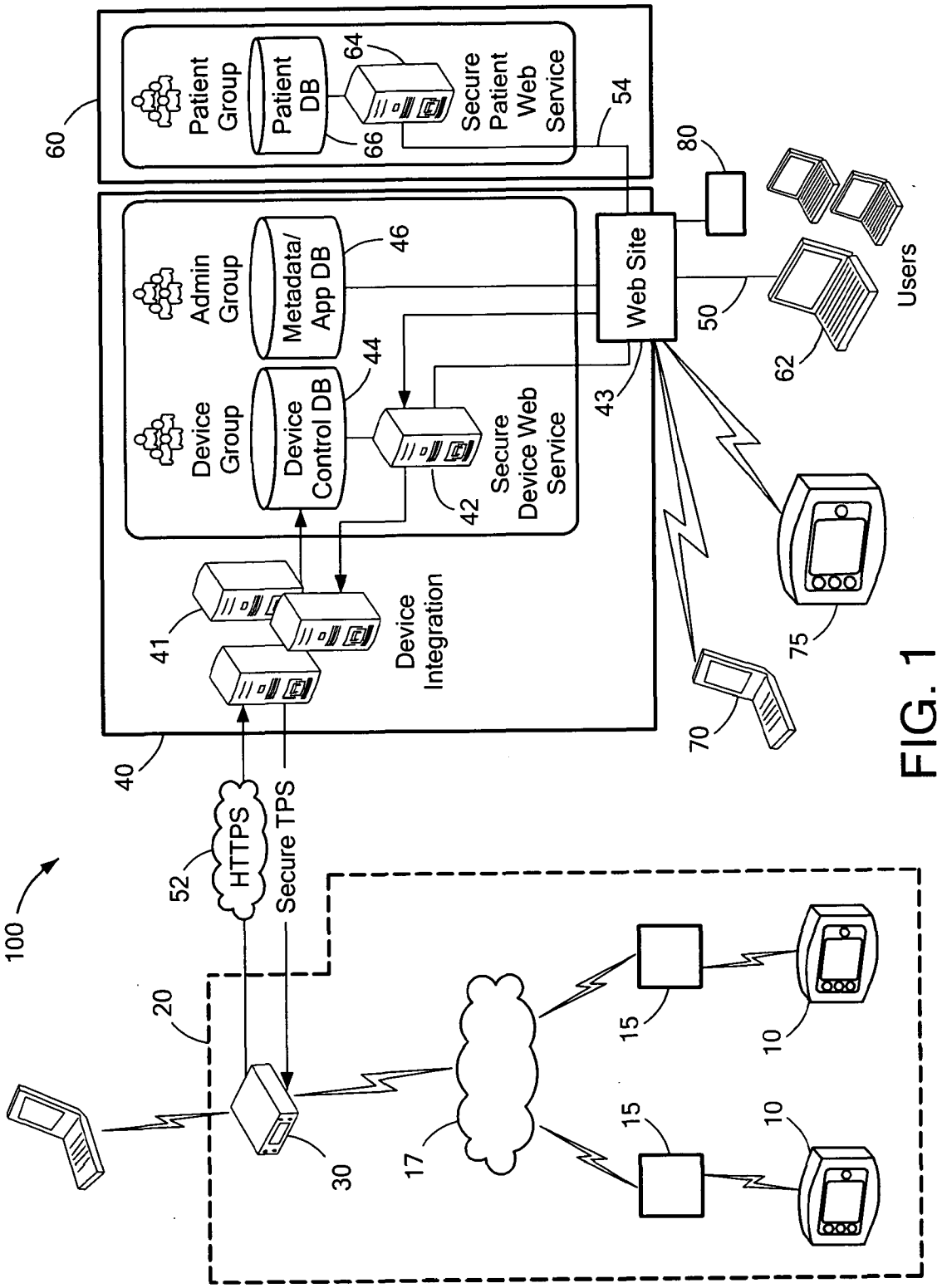

Patient Group
Patient DB
64
66
Secure Patient Web Service
54
60
80
Admin Group
Metadata/ App DB
46
Web Site
Users
50
62
Device Group
Device Control DB
44
Secure Device Web Service
43
42
41
Device Integration
75
70
40
HTTPS
Secure TPS
52
100
20
15
10
17
30

FIG. 1

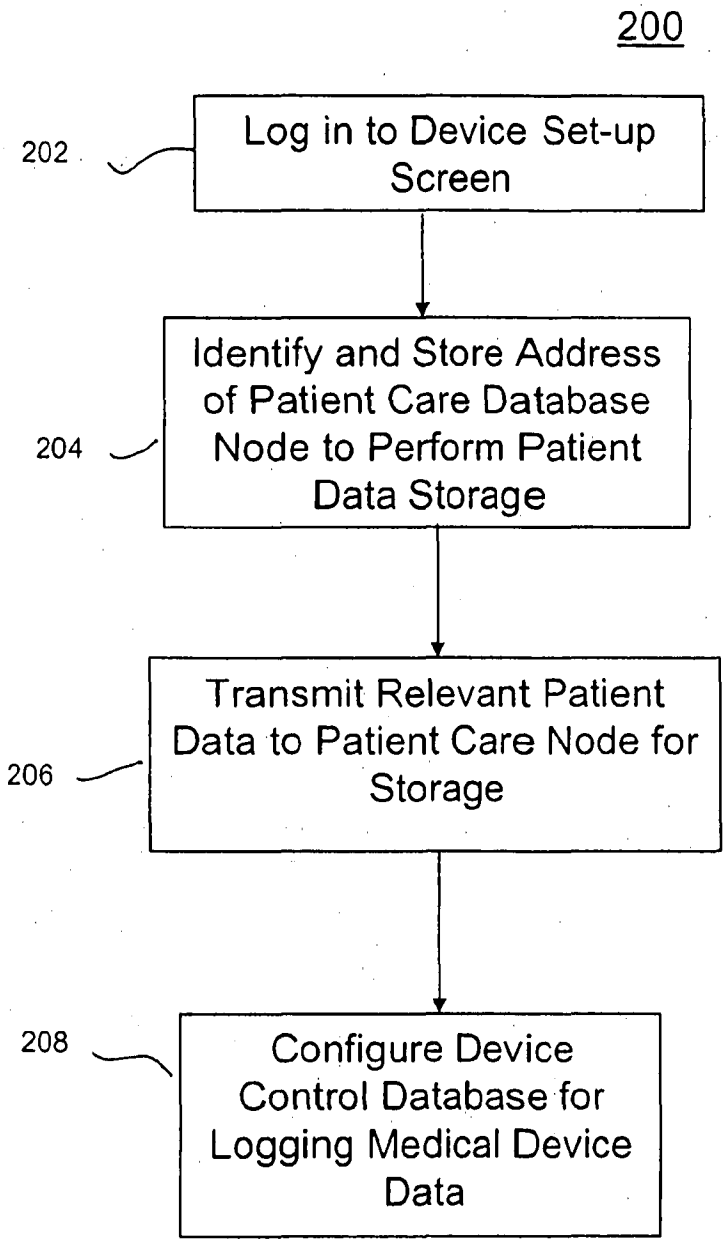

200
202
Log in to Device Set-up Screen
204
Identify and Store Address of Patient Care Database Node to Perform Patient Data Storage
206
Transmit Relevant Patient Data to Patient Care Node for Storage
208
Configure Device Control Database for Logging Medical Device Data

FIG. 2

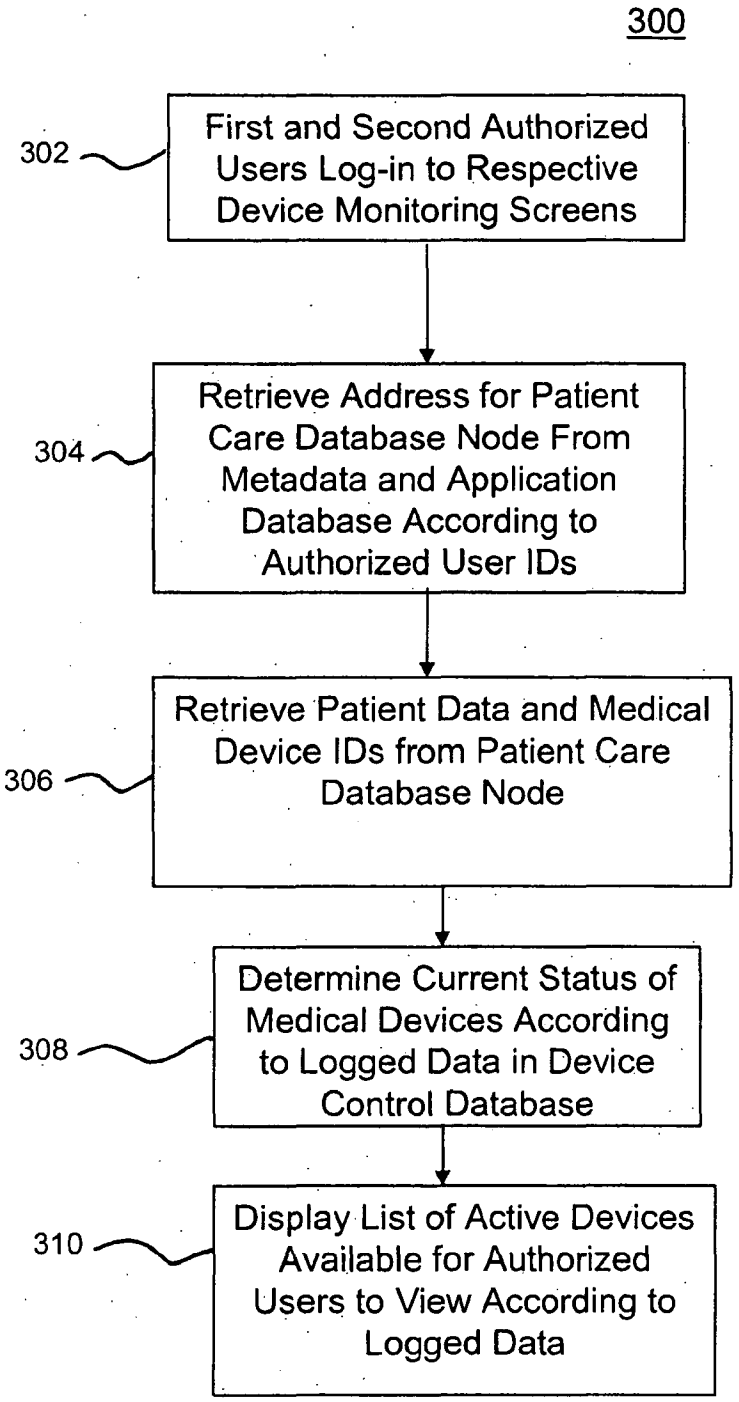

300
302
First and Second Authorized Users Log-in to Respective Device Monitoring Screens
304
Retrieve Address for Patient Care Database Node From Metadata and Application Database According to Authorized User IDs
306
Retrieve Patient Data and Medical Device IDs from Patient Care Database Node
308
Determine Current Status of Medical Devices According to Logged Data in Device Control Database
310
Display List of Active Devices Available for Authorized Users to View According to Logged Data

FIG. 3 (a)

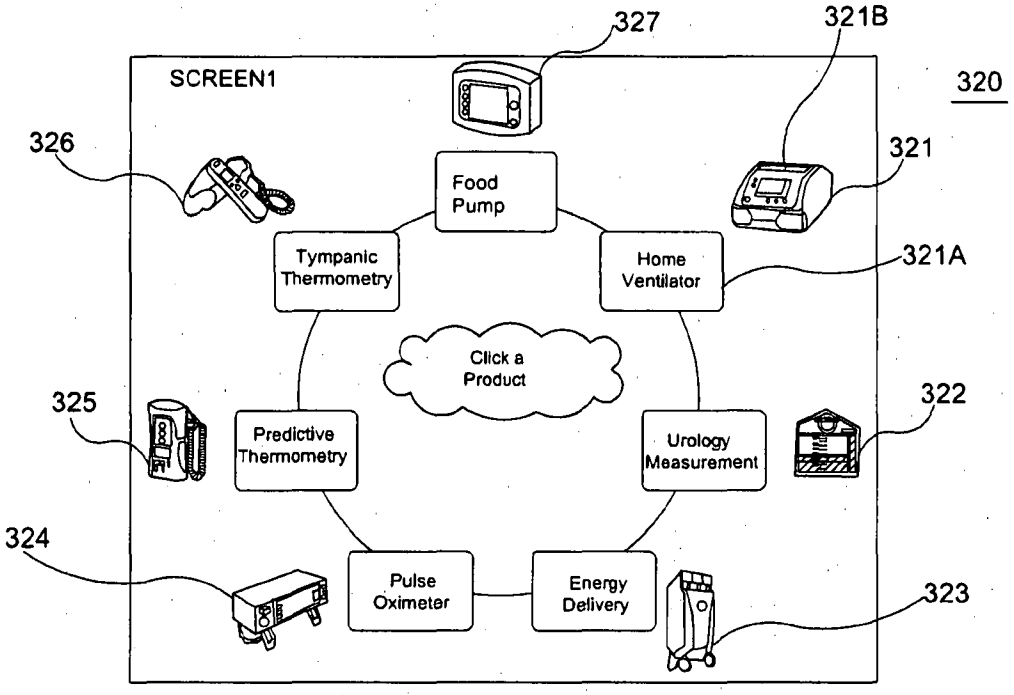

SCREEN1
327
321B
320
326
321
Food Pump
Tympanic Thermometry
Home Ventilator
321A
Click a Product
325
322
Predictive Thermometry
Urology Measurement
324
Pulse Oximeter
Energy Delivery
323

FIG.3 (b)

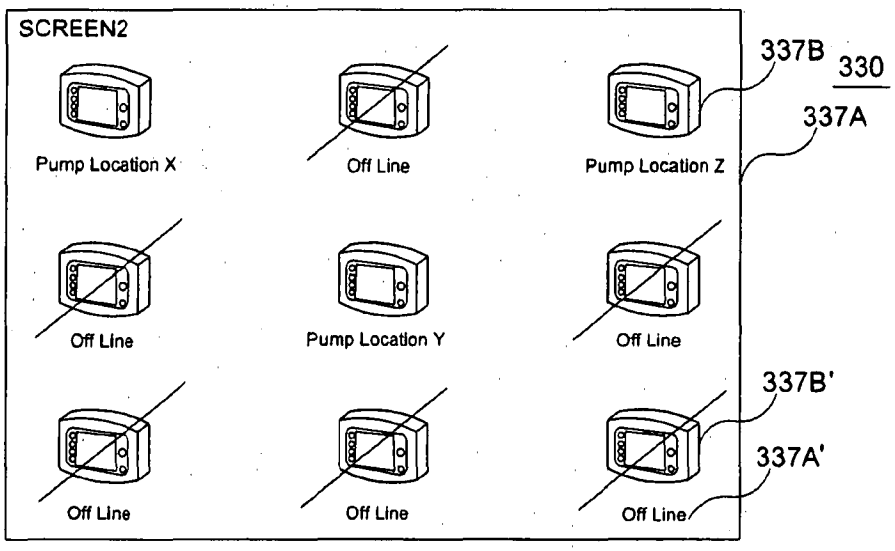

SCREEN2
337B
330
337A
Pump Location X
Off Line
Pump Location Z
Off Line
Pump Location Y
Off Line
337B'
337A'
Off Line
Off Line
Off Line

FIG.3 (C)

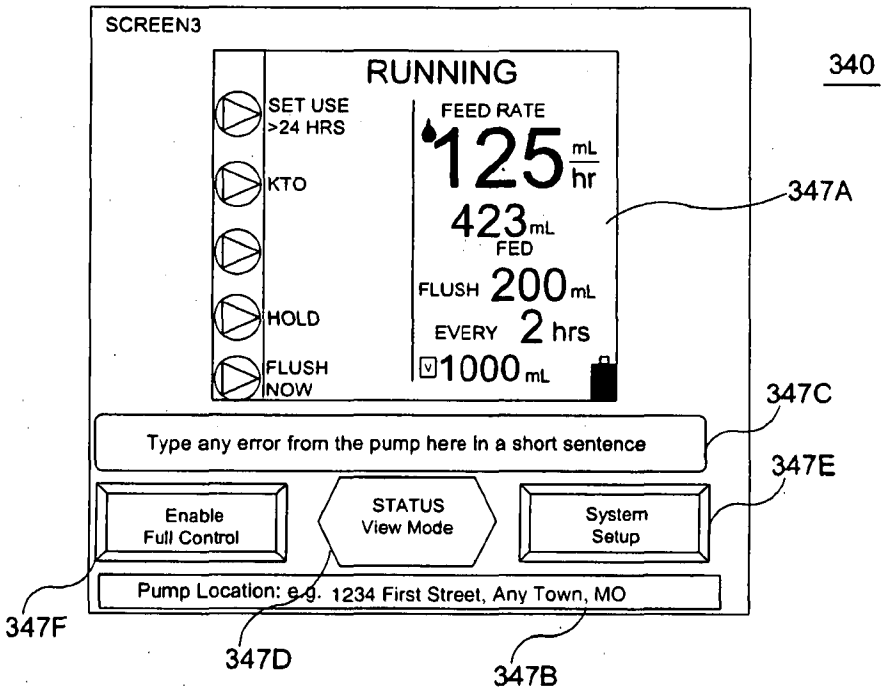

SCREEN3
340
RUNNING
SET USE >24 HRS
KTO
HOLD
FLUSH NOW
FEED RATE
125 mL/hr
423 mL FED
FLUSH 200 mL
EVERY 2 hrs
1000 mL
347A
347C
Type any error from the pump here in a short sentence
347E
Enable Full Control
STATUS View Mode
System Setup
Pump Location: e.g. 1234 First Street, Any Town, MO
347F
347D
347B

FIG.3 (d)

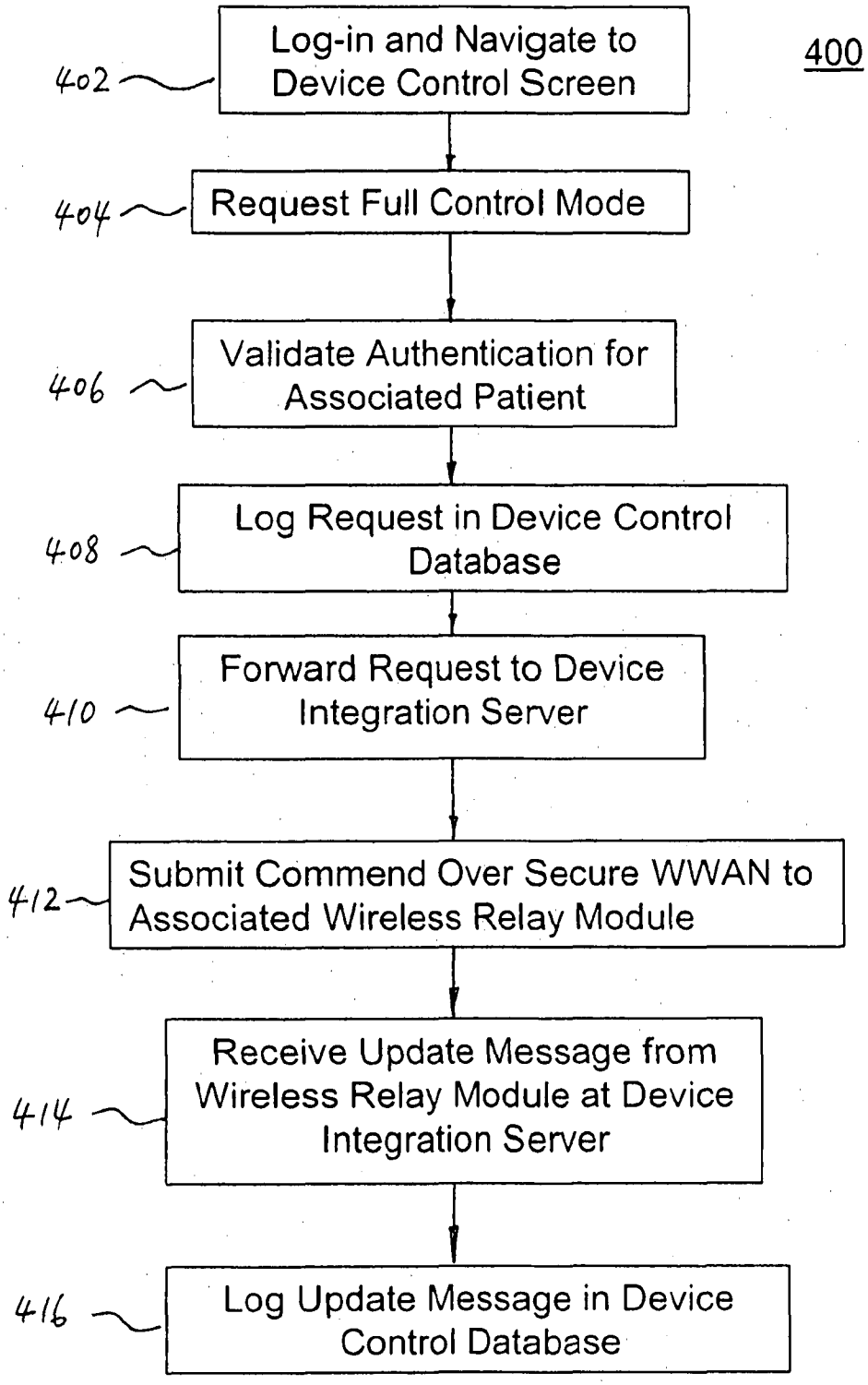

400
402
Log-in and Navigate to Device Control Screen
404
Request Full Control Mode
406
Validate Authentication for Associated Patient
408
Log Request in Device Control Database
410
Forward Request to Device Integration Server
412
Submit Commend Over Secure WWAN to Associated Wireless Relay Module
414
Receive Update Message from Wireless Relay Module at Device Integration Server
416
Log Update Message in Device Control Database

FIG. 4(a)

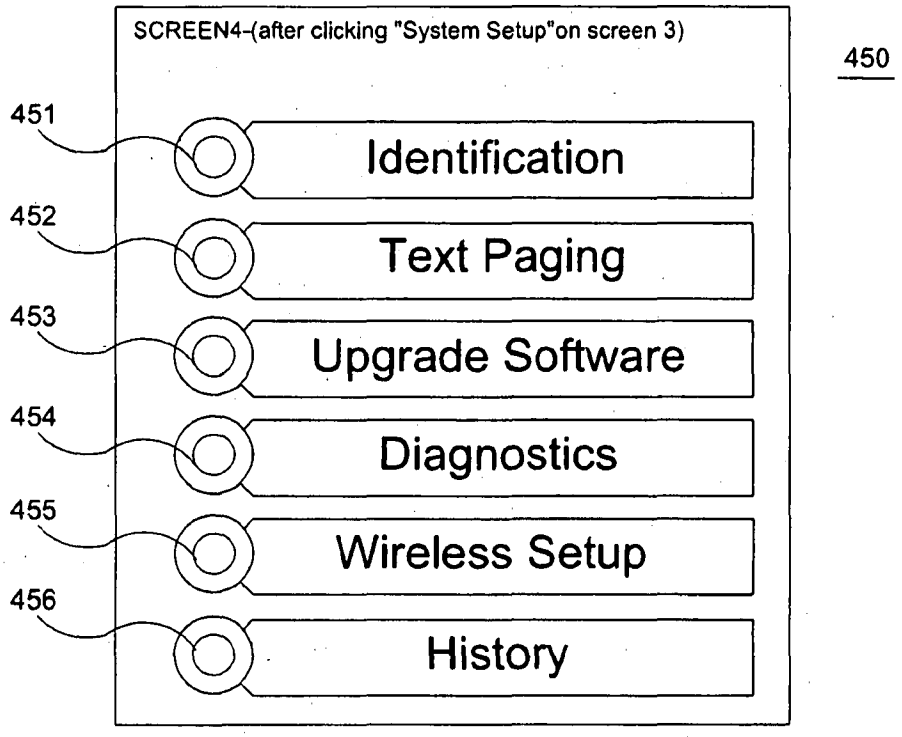

SCREEN4-(after clicking "System Setup"on screen 3)
450
451
Identification
452
Text Paging
453
Upgrade Software
454
Diagnostics
455
Wireless Setup
456
History

FIG.4 (b)

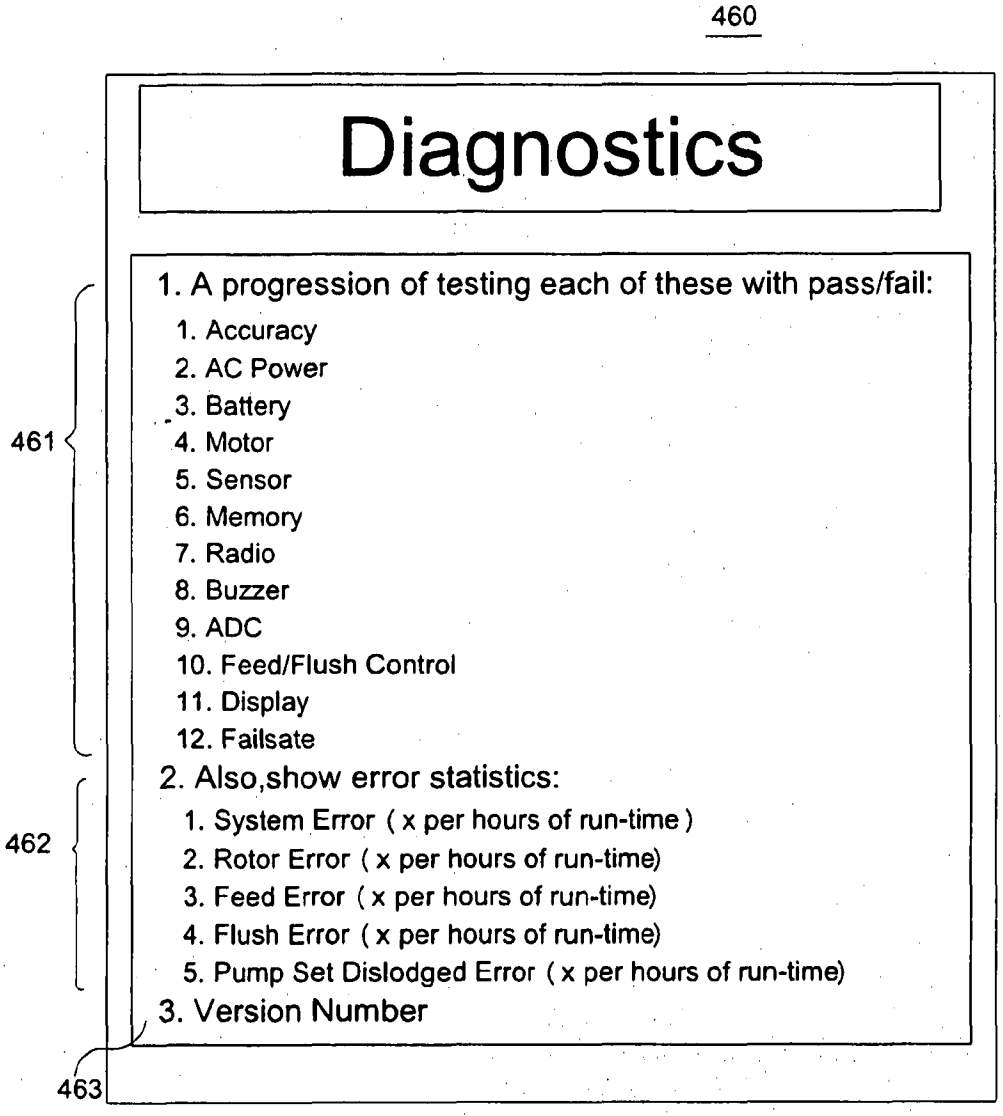

460
Diagnostics
1. A progression of testing each of these with pass/fail:
1. Accuracy
2. AC Power
3. Battery
4. Motor
5. Sensor
6. Memory
7. Radio
8. Buzzer
9. ADC
10. Feed/Flush Control
11. Display
12. Failsate
461
2. Also,show error statistics:
1. System Error (x per hours of run-time)
2. Rotor Error (x per hours of run-time)
3. Feed Error (x per hours of run-time)
4. Flush Error (x per hours of run-time)
5. Pump Set Dislodged Error (x per hours of run-time)
462
3. Version Number
463

FIG.4 (c)

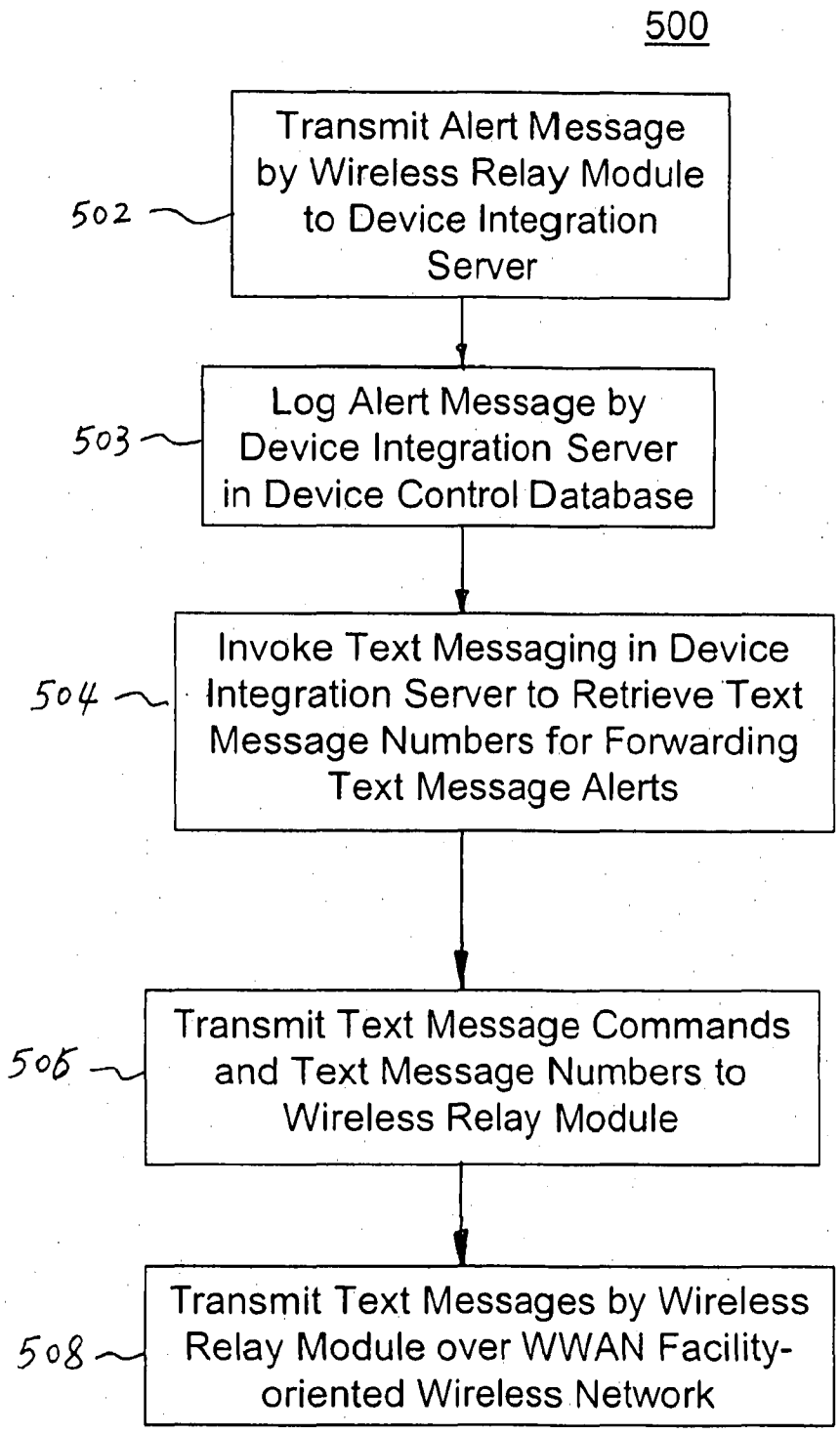

500
Transmit Alert Message by Wireless Relay Module to Device Integration Server
502
Log Alert Message by Device Integration Server in Device Control Database
503
Invoke Text Messaging in Device Integration Server to Retrieve Text Message Numbers for Forwarding Text Message Alerts
504
Transmit Text Message Commands and Text Message Numbers to Wireless Relay Module
506
Transmit Text Messages by Wireless Relay Module over WWAN Facility-oriented Wireless Network
508

FIG. 5(a)

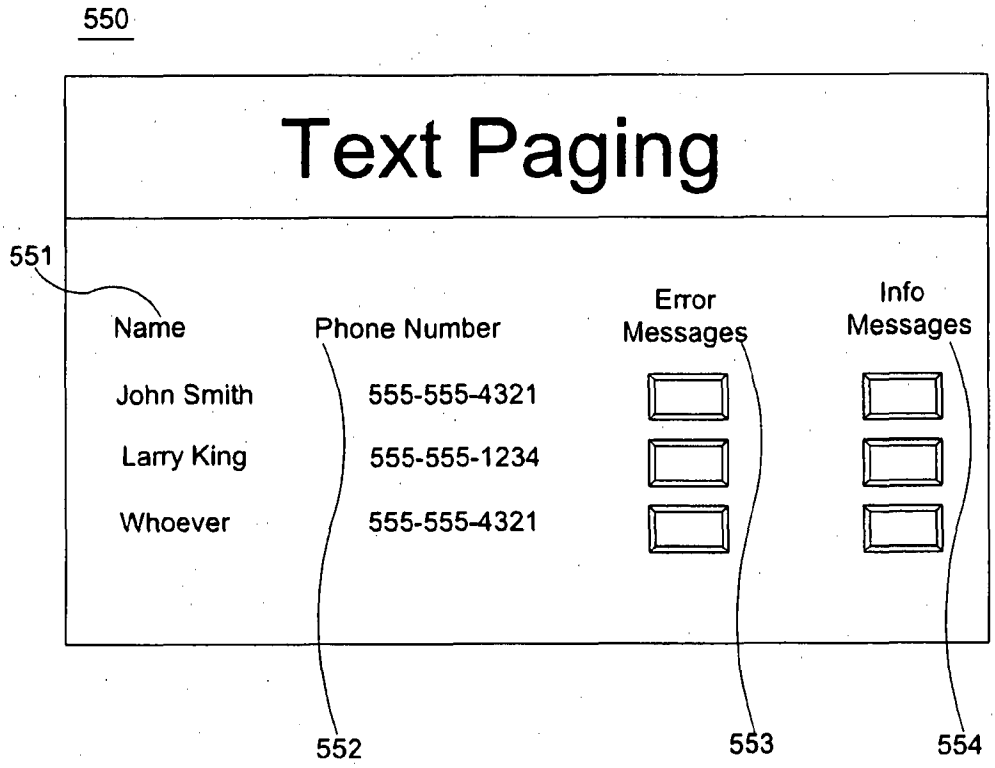

550
Text Paging
551
Name
Phone Number
Error Messages
Info Messages
John Smith
555-555-4321
Larry King
555-555-1234
Whoever
555-555-4321
552
553
554

FIG.5 (b)

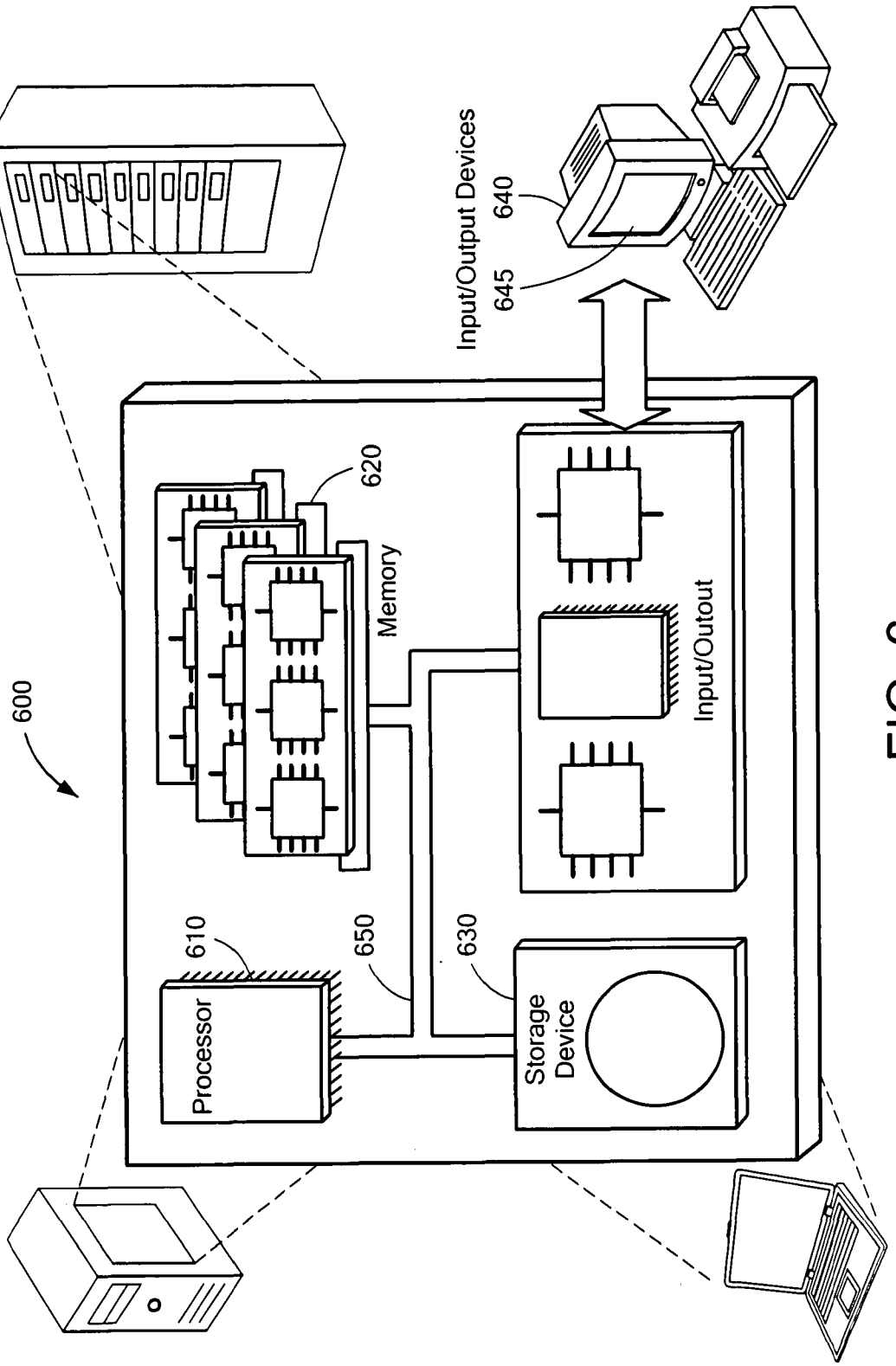

600
Input/Output Devices
640
645
620
Memory
Input/Outout
610
Processor
650
630
Storage Device

FIG. 6