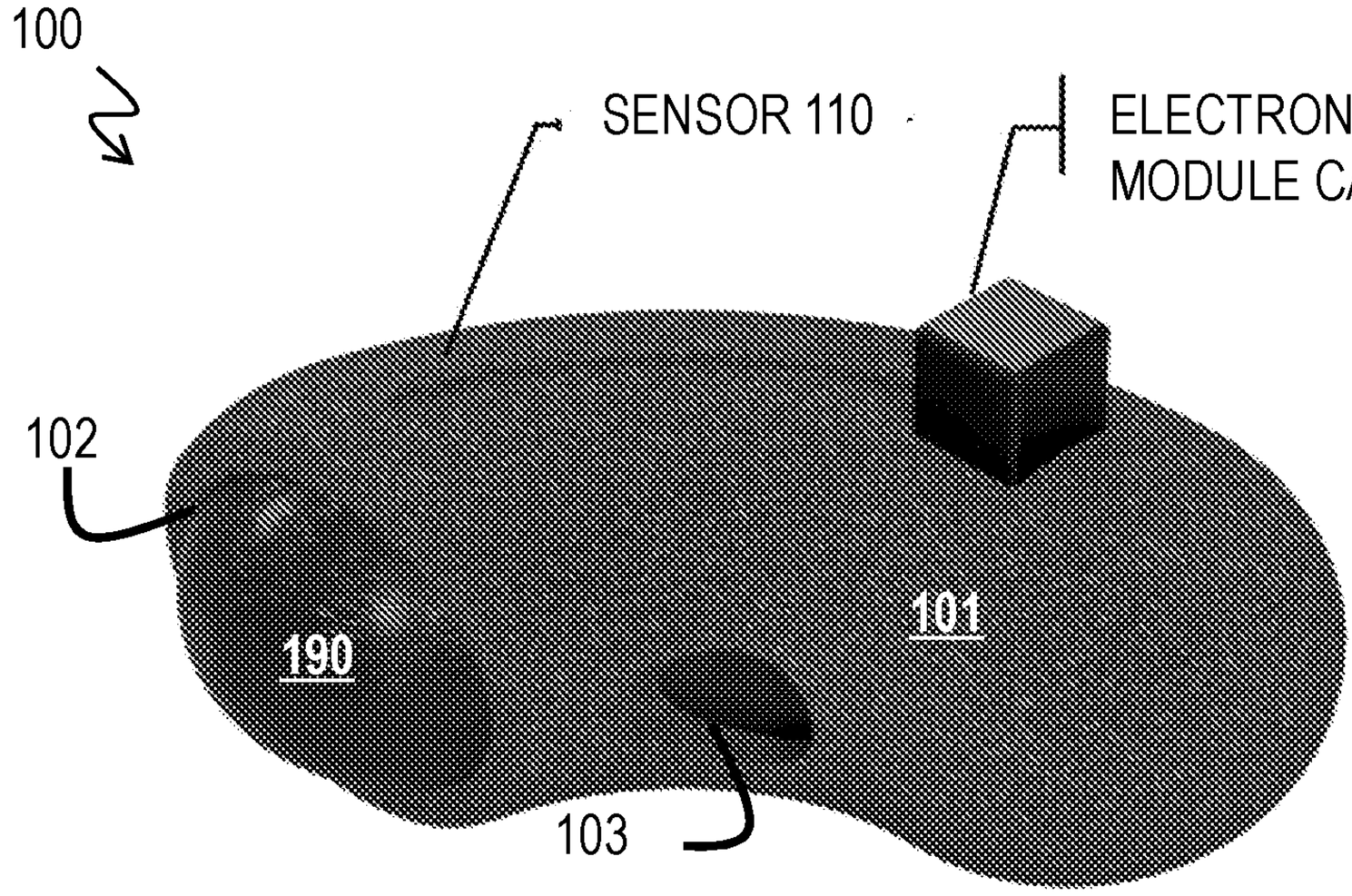

Organ transport envelope ("Organ Koozi")
100
SENSOR 110
ELECTRONICS
MODULE CASE 120
102
190
101
103

FIG. 1

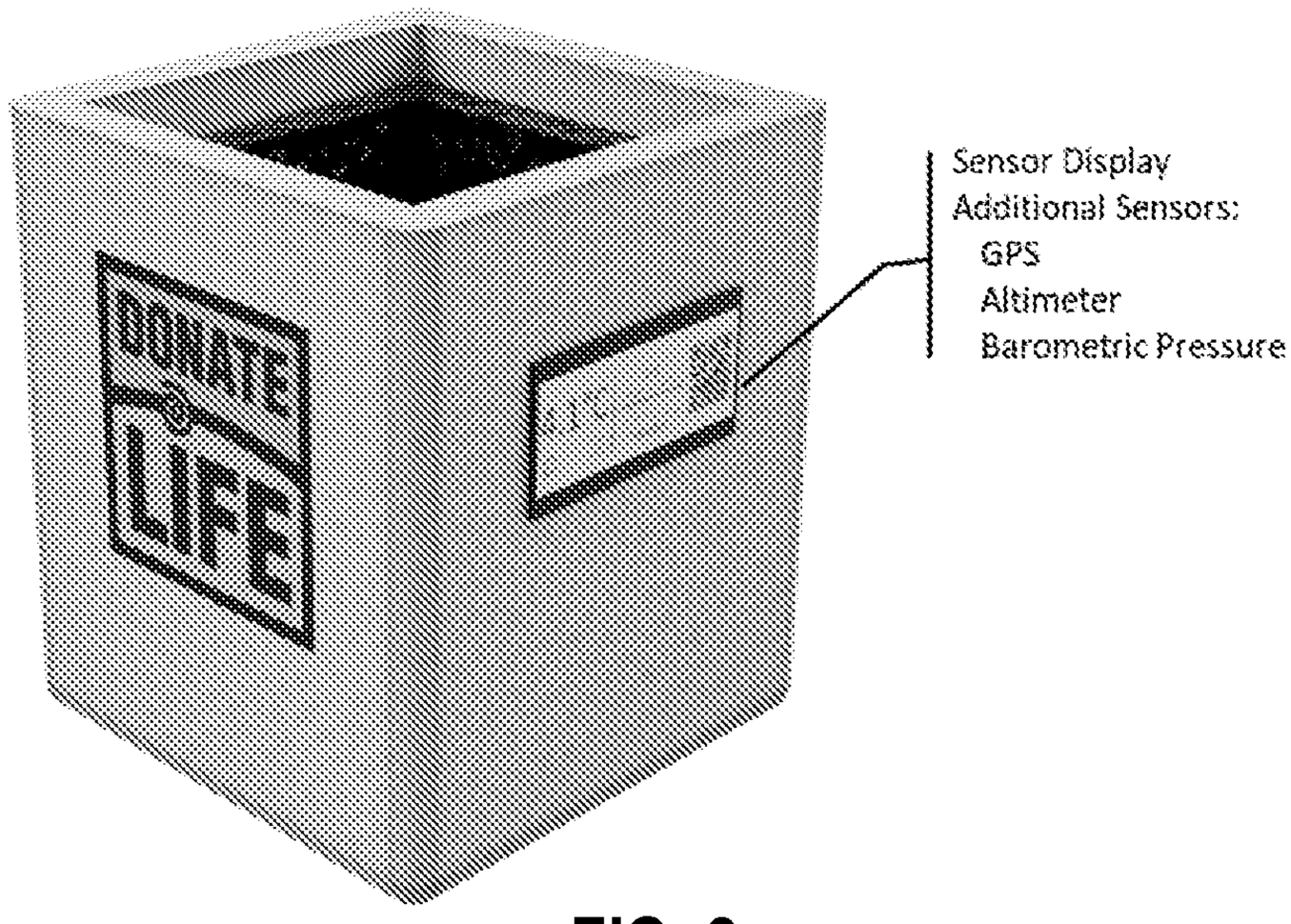

Organ transport container
DONATE
LIFE
Sensor Display
Additional Sensors:
GPS
Altimeter
Barometric Pressure

FIG. 2

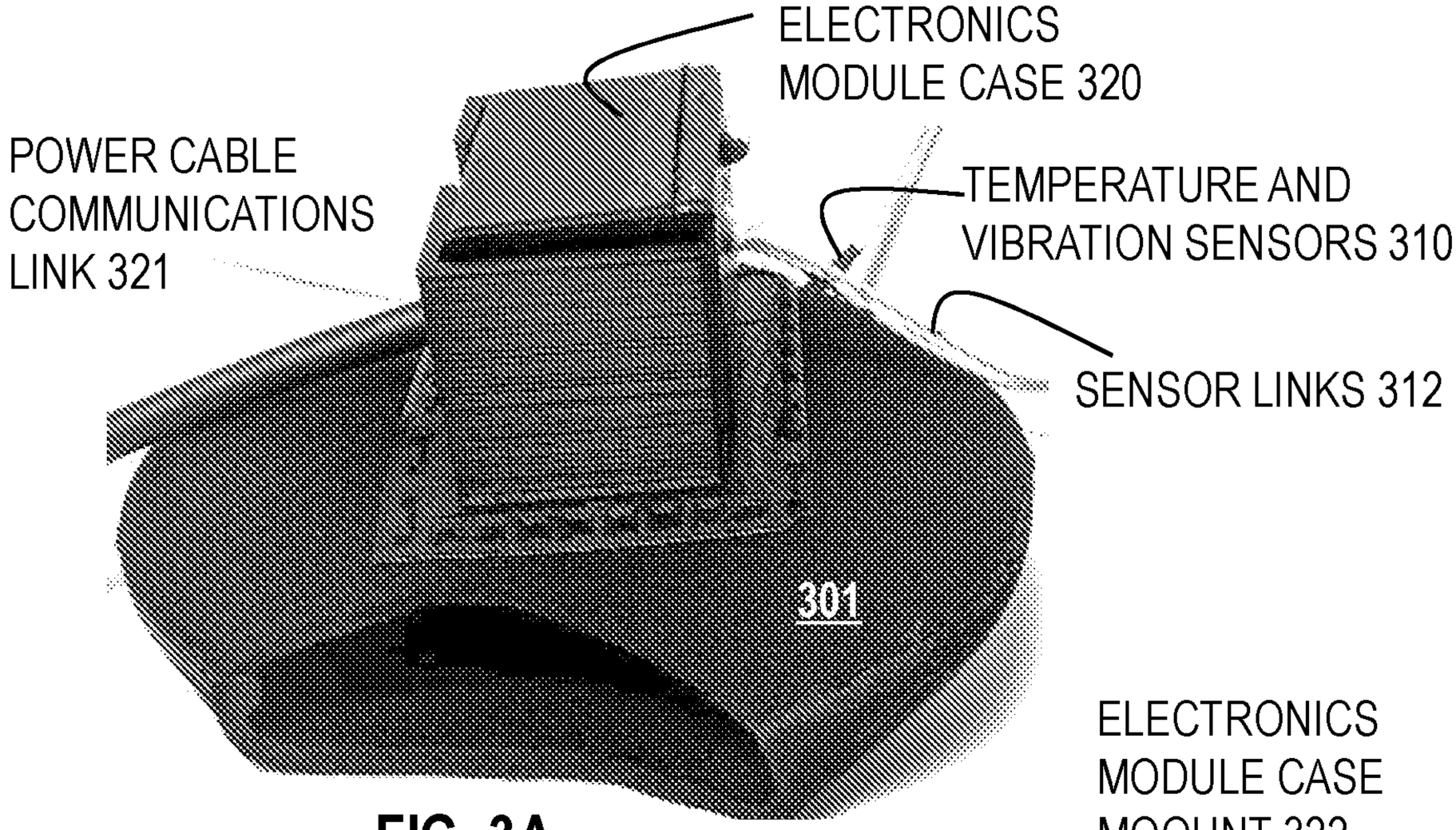



FIG. 3A

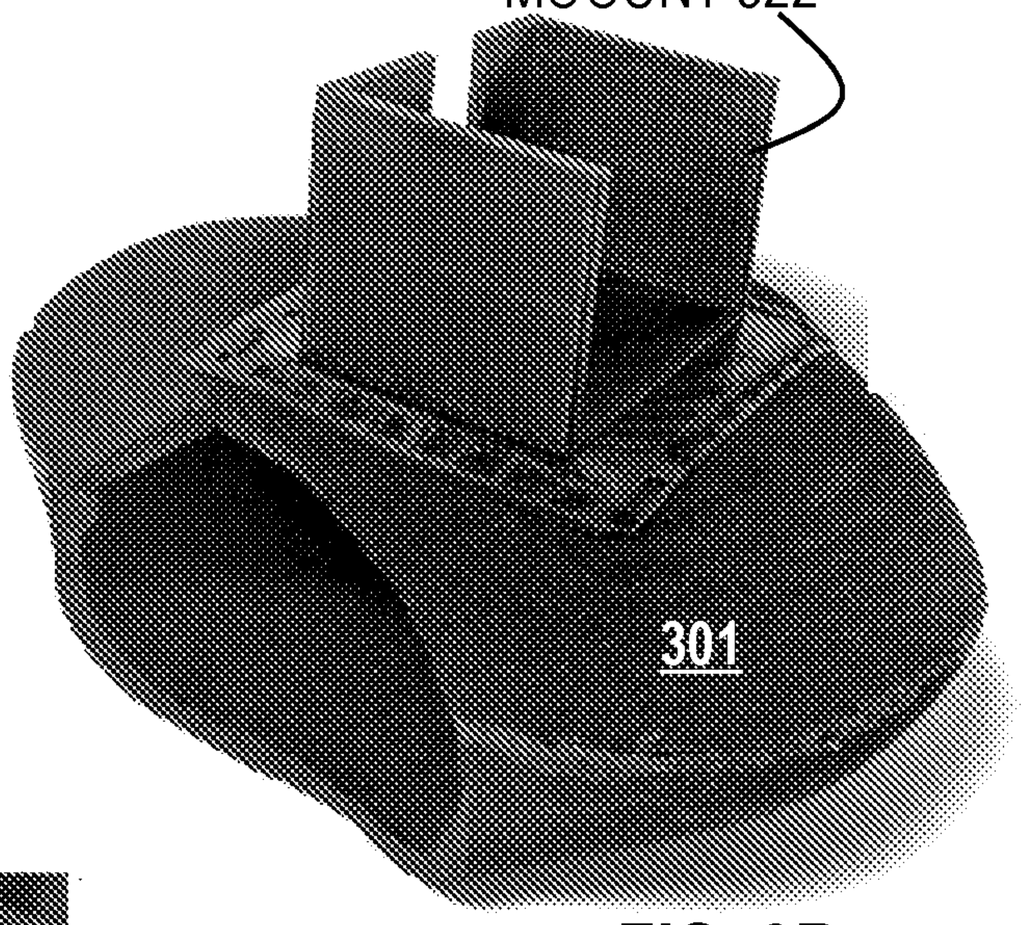



FIG. 3B

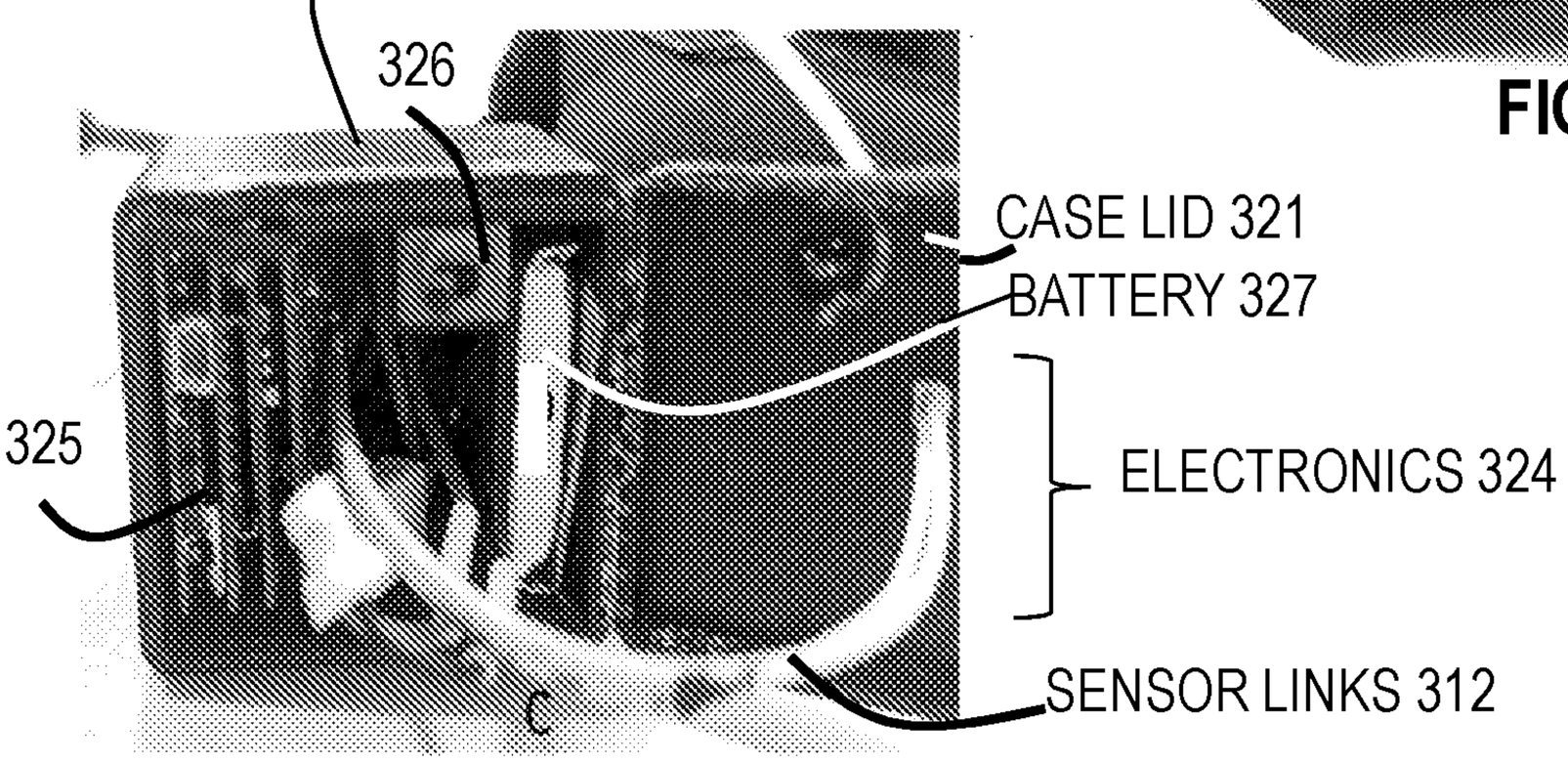



FIG. 3C

FIG. 4

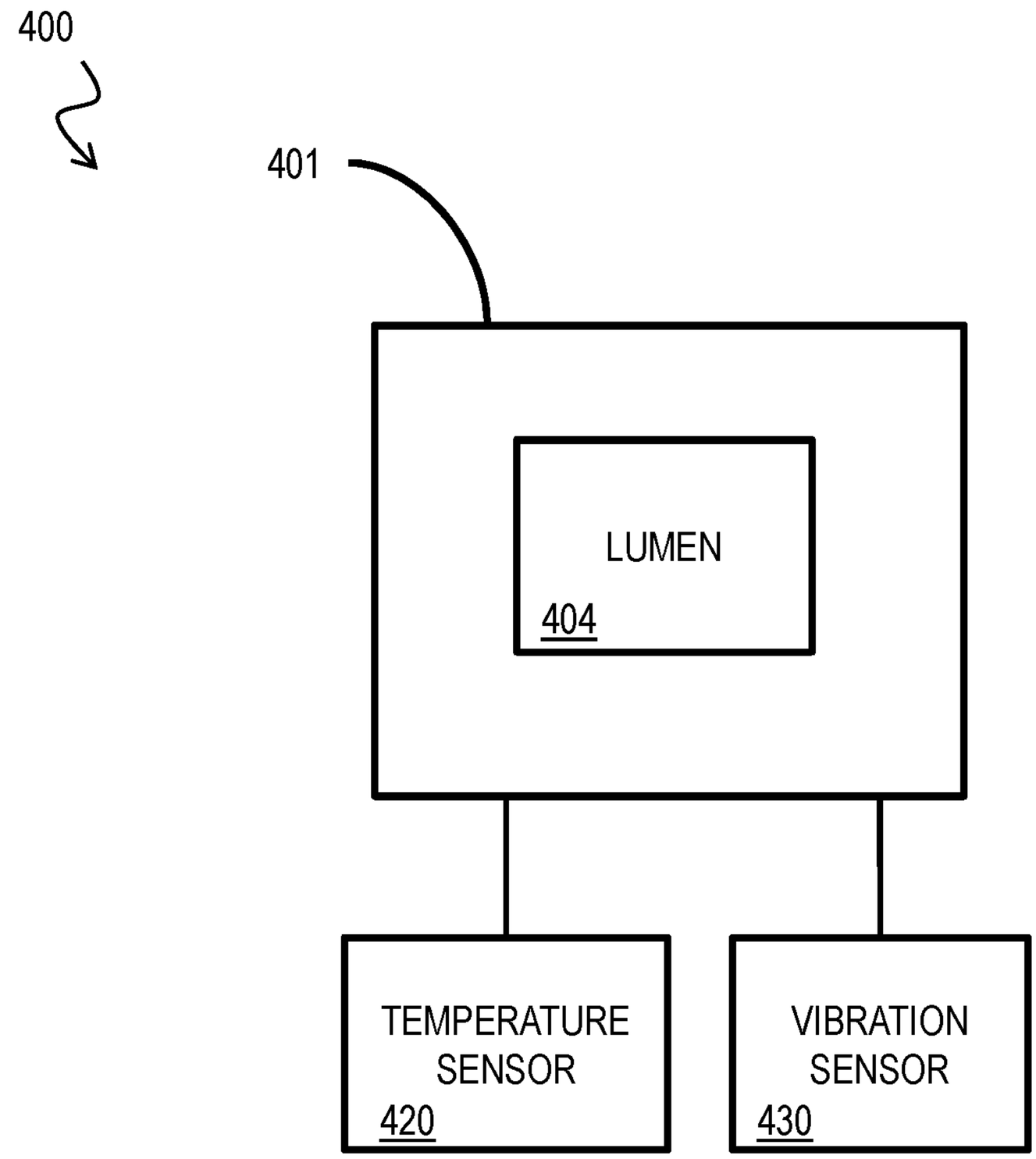

400
401
LUMEN
404
TEMPERATURE SENSOR
420
VIBRATION SENSOR
430

FIG. 5A

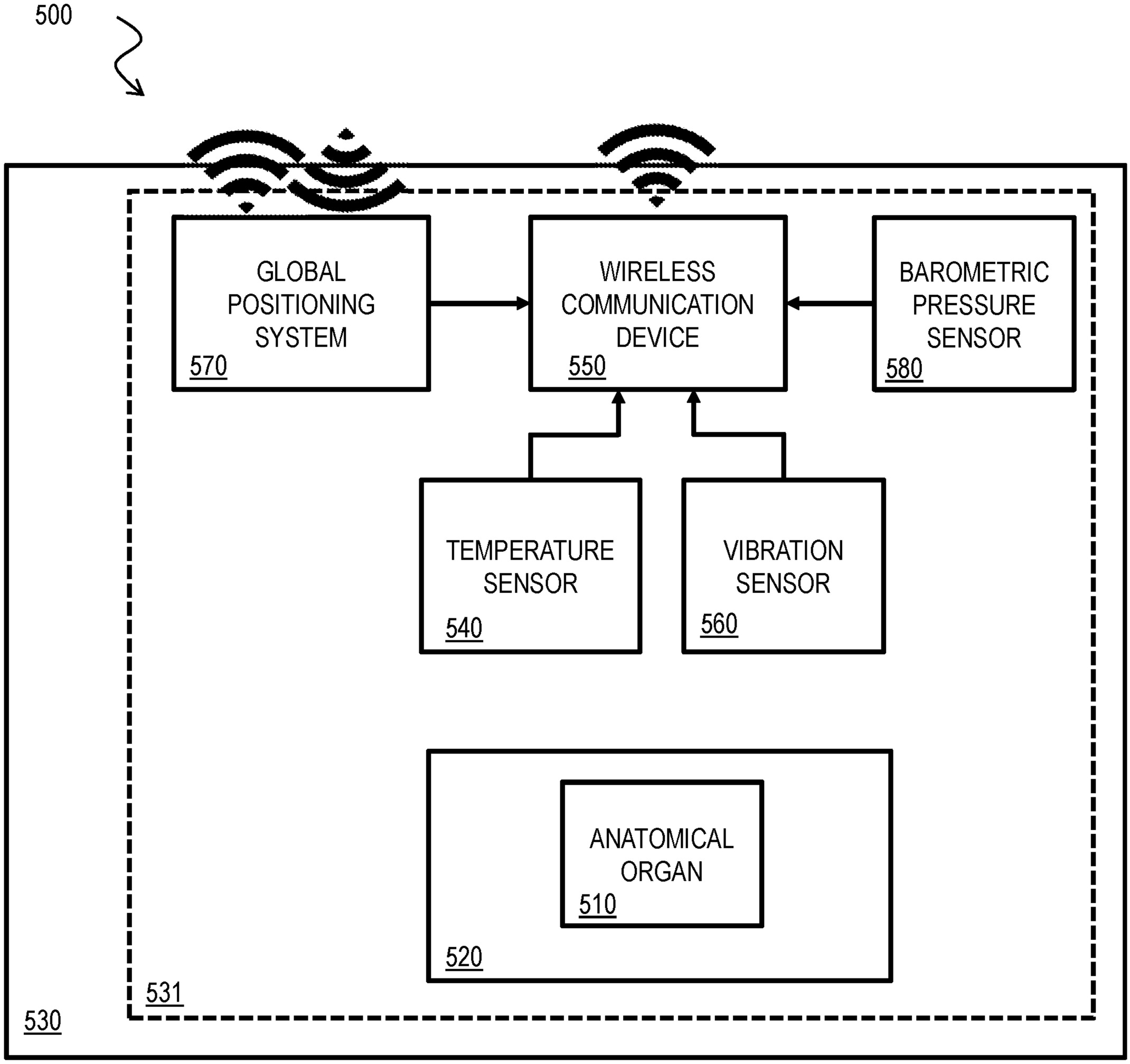

500
GLOBAL POSITIONING SYSTEM
570
WIRELESS COMMUNICATION DEVICE
550
BAROMETRIC PRESSURE SENSOR
580
TEMPERATURE SENSOR
540
VIBRATION SENSOR
560
ANATOMICAL ORGAN
510
520
531
530

FIG. 5B

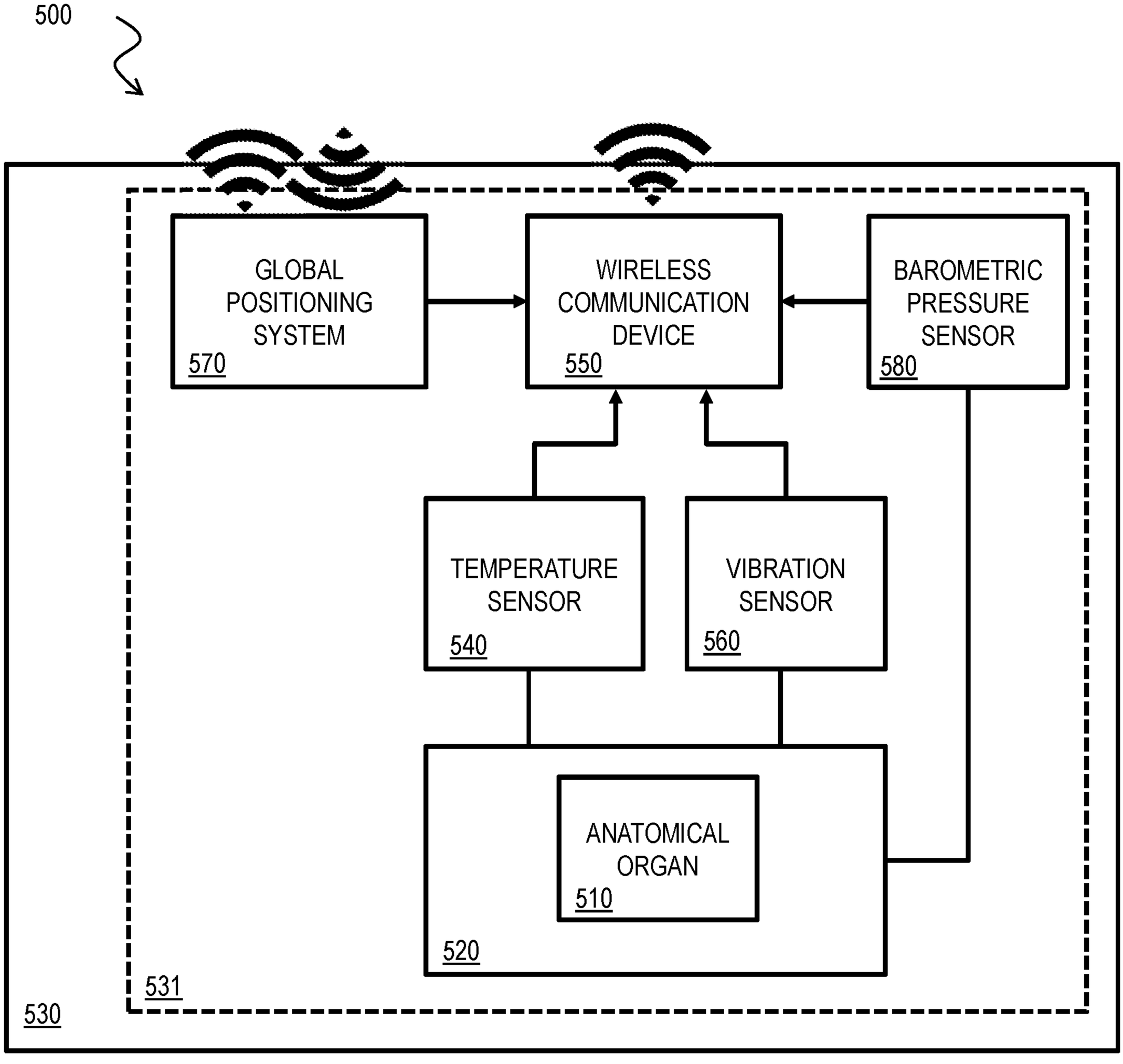
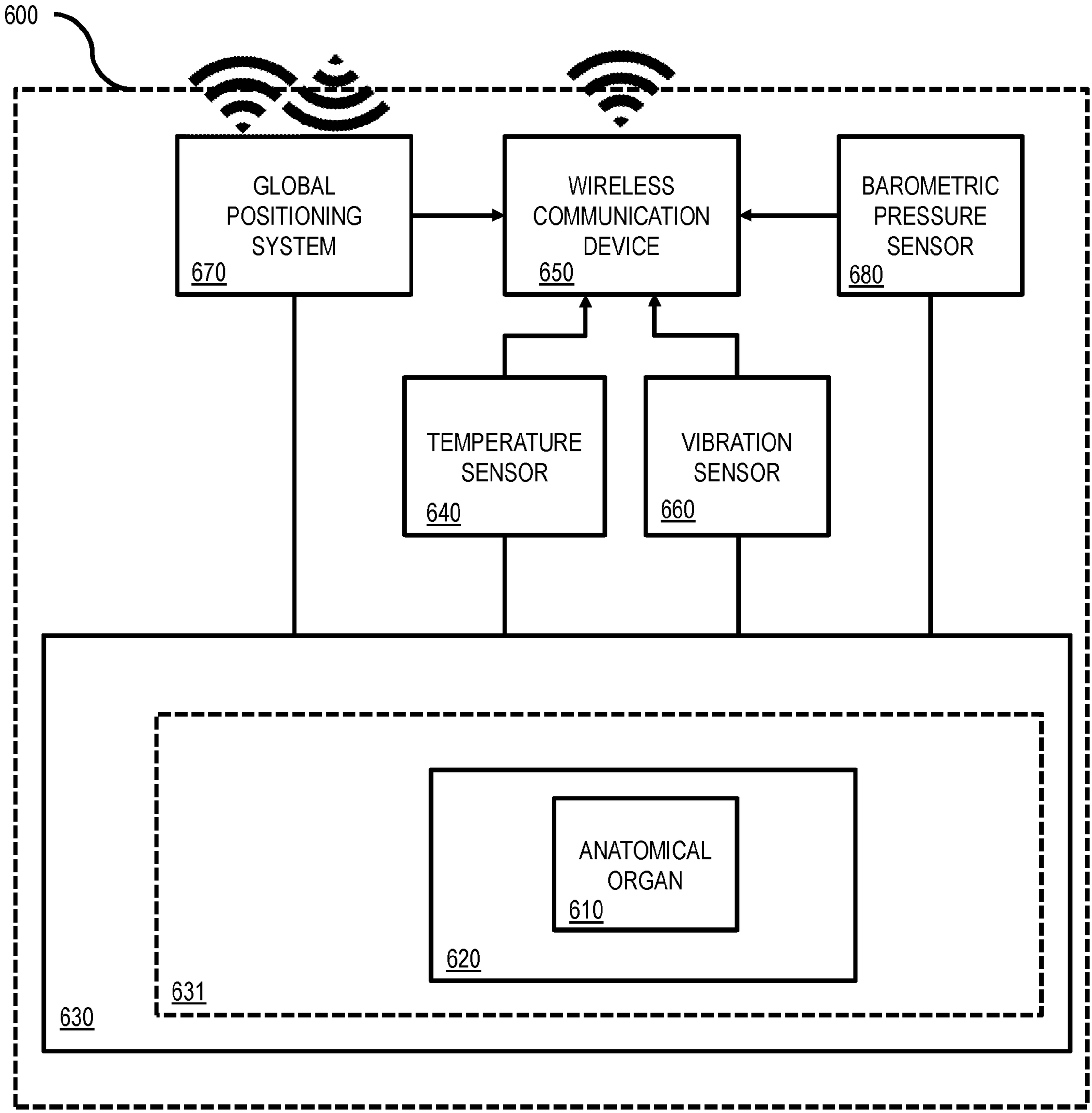

500
GLOBAL POSITIONING SYSTEM
570
WIRELESS COMMUNICATION DEVICE
550
BAROMETRIC PRESSURE SENSOR
580
TEMPERATURE SENSOR
540
VIBRATION SENSOR
560
ANATOMICAL ORGAN
510
520
531
530

FIG. 6


600
GLOBAL POSITIONING SYSTEM
670
WIRELESS COMMUNICATION DEVICE
650
BAROMETRIC PRESSURE SENSOR
680
TEMPERATURE SENSOR
640
VIBRATION SENSOR
660
ANATOMICAL ORGAN
610
620
631
630

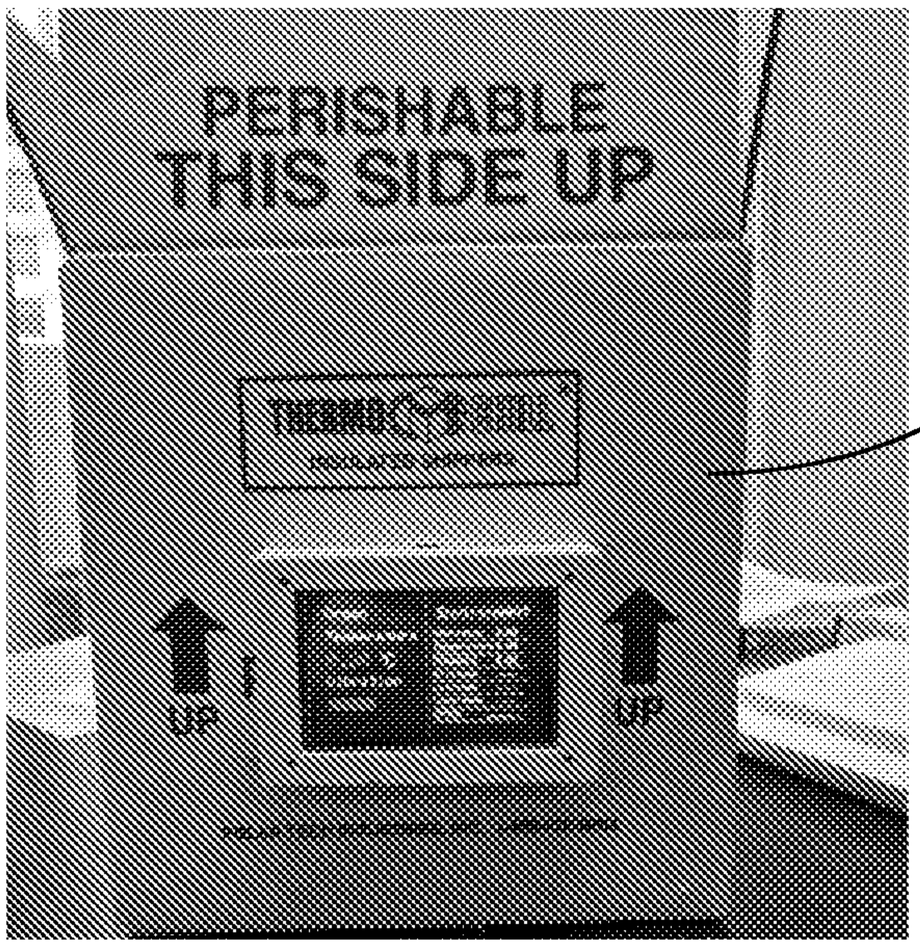



FIG. 7A

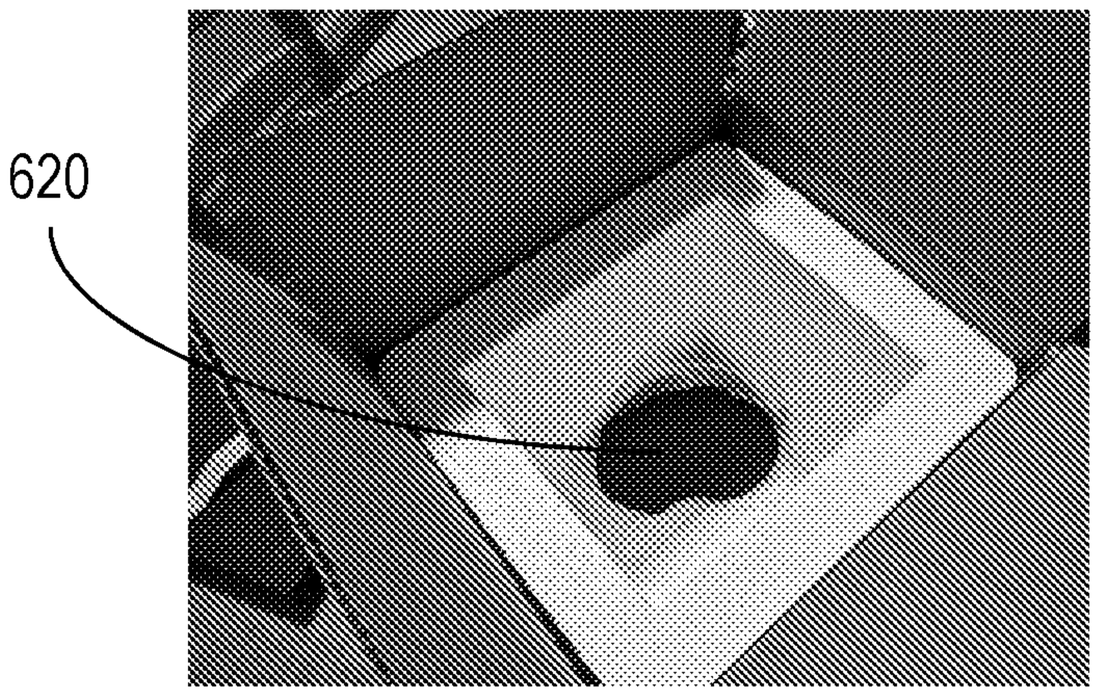



FIG. 7B

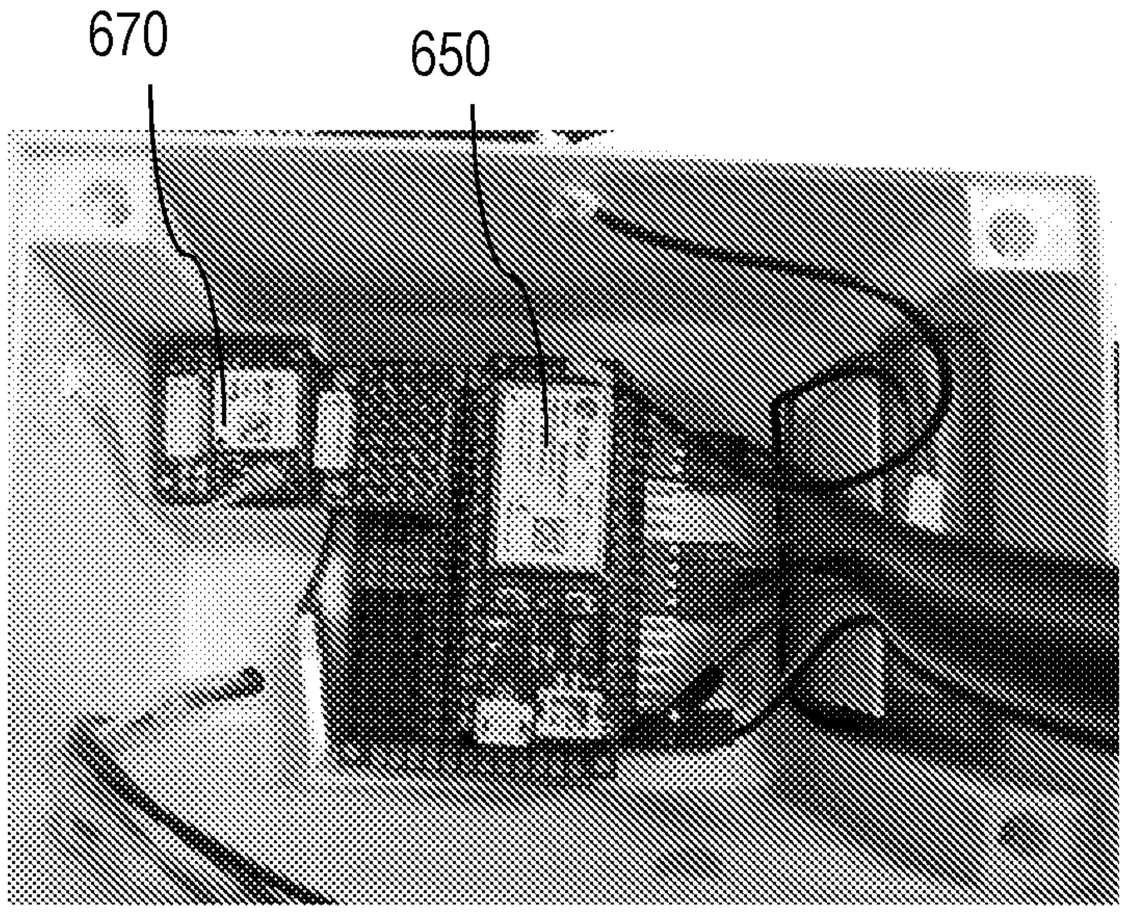



FIG. 7C

FIG. 8

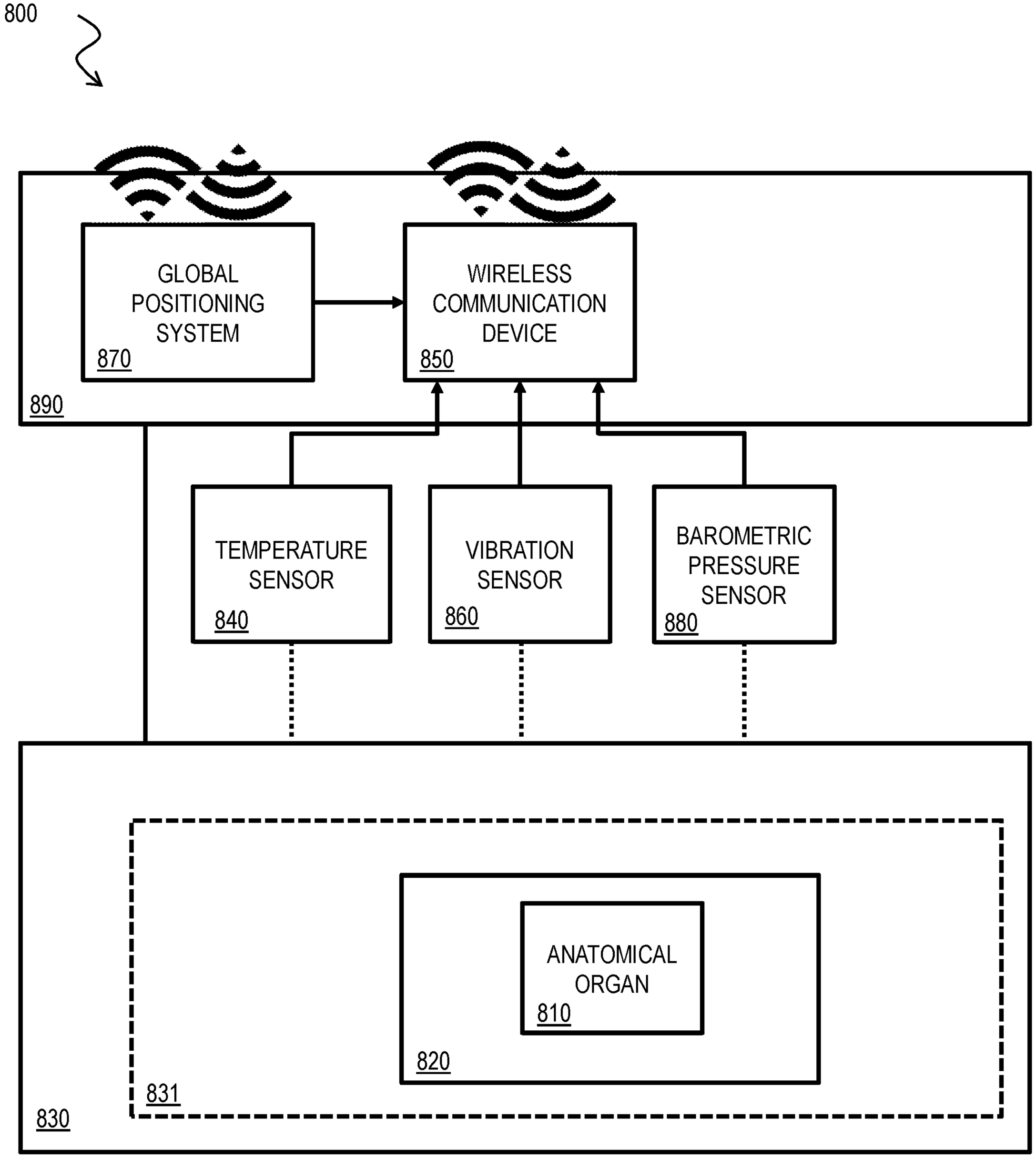
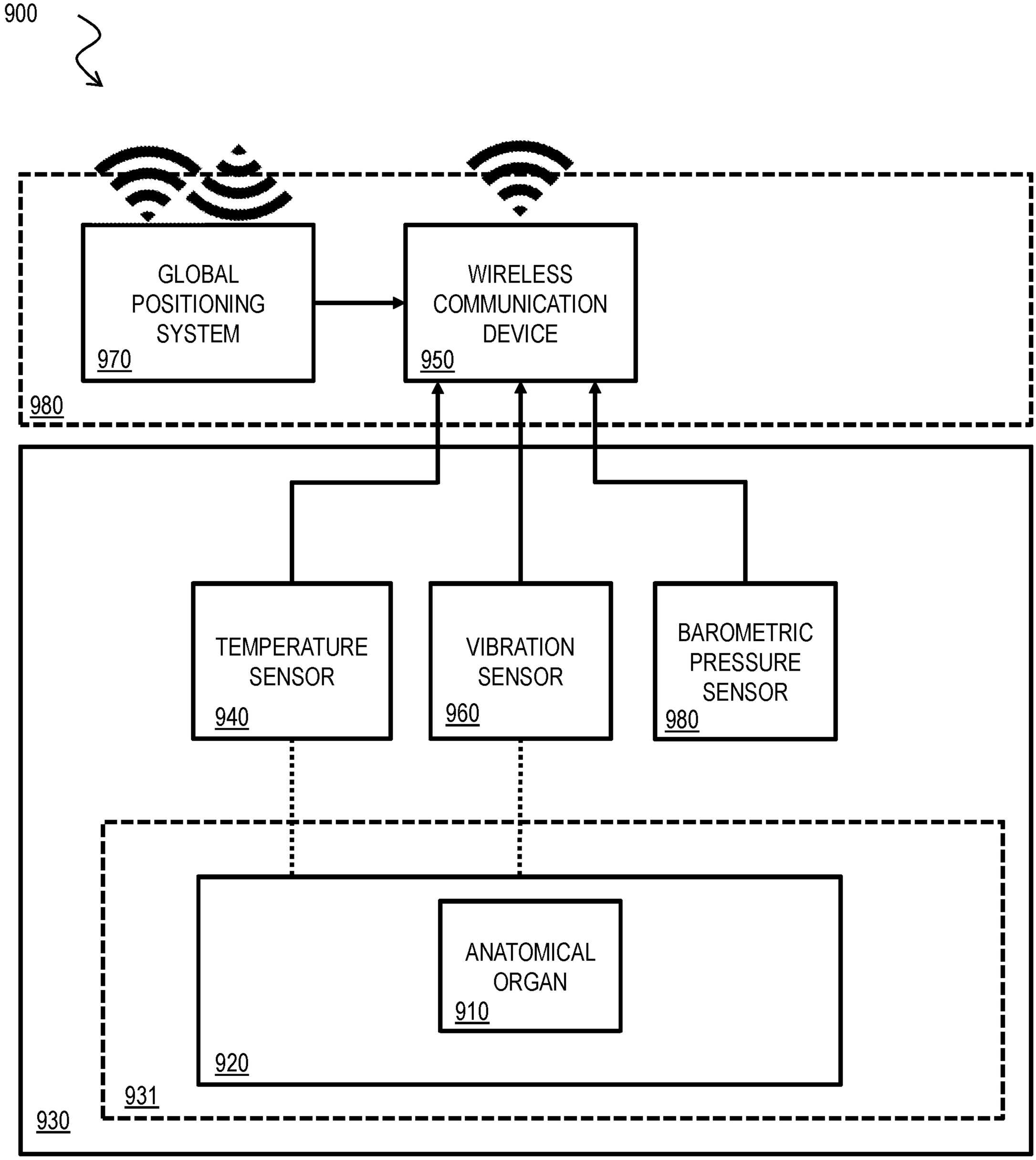

800
GLOBAL POSITIONING SYSTEM
870
WIRELESS COMMUNICATION DEVICE
850
890
TEMPERATURE SENSOR
840
VIBRATION SENSOR
860
BAROMETRIC PRESSURE SENSOR
880
ANATOMICAL ORGAN
810
820
831
830

FIG. 9


900
GLOBAL POSITIONING SYSTEM
970
WIRELESS COMMUNICATION DEVICE
950
980
TEMPERATURE SENSOR
940
VIBRATION SENSOR
960
BAROMETRIC PRESSURE SENSOR
980
ANATOMICAL ORGAN
910
920
931
930

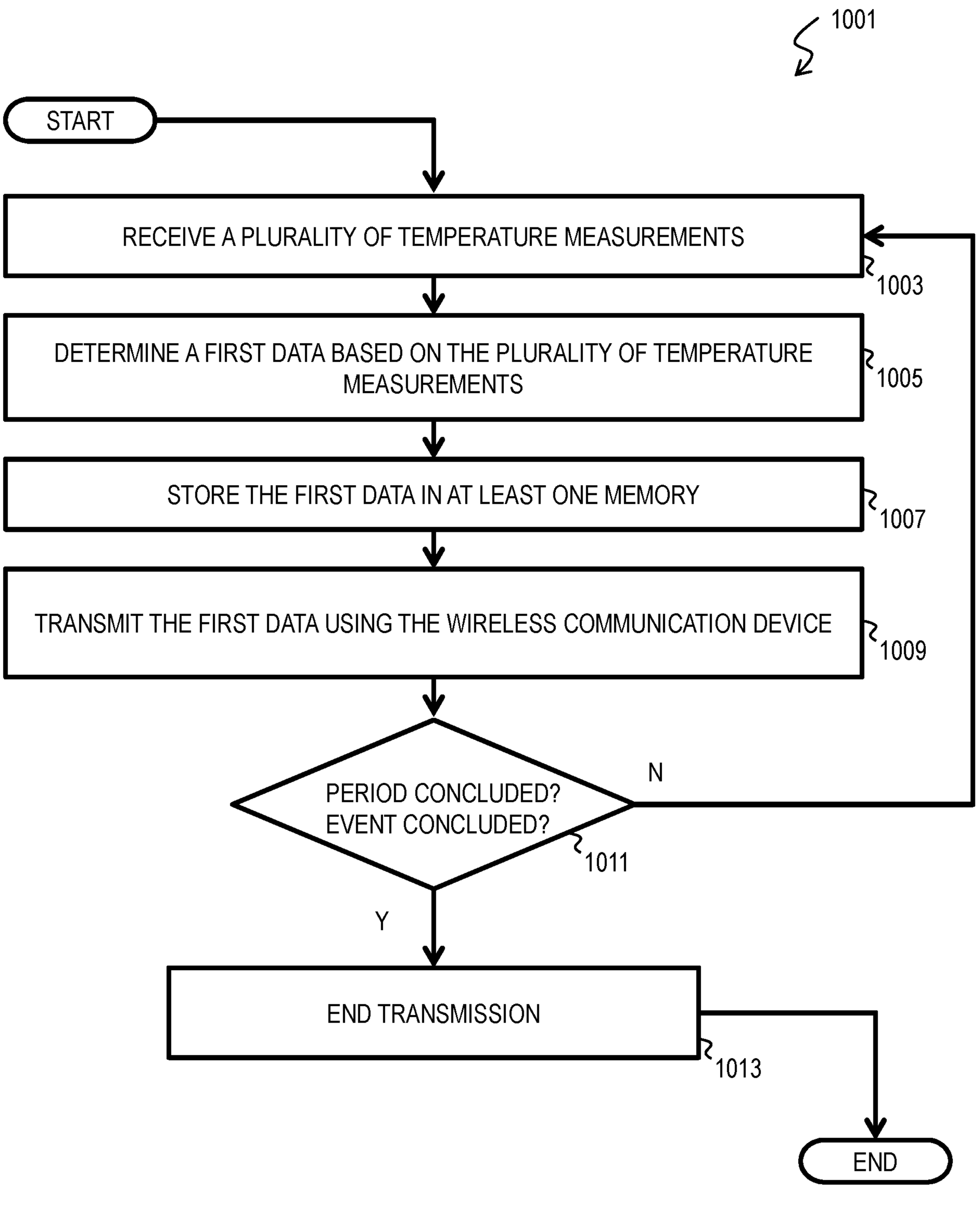

1001
START
RECEIVE A PLURALITY OF TEMPERATURE MEASUREMENTS
1003
DETERMINE A FIRST DATA BASED ON THE PLURALITY OF TEMPERATURE MEASUREMENTS
1005
STORE THE FIRST DATA IN AT LEAST ONE MEMORY
1007
TRANSMIT THE FIRST DATA USING THE WIRELESS COMMUNICATION DEVICE
1009
PERIOD CONCLUDED?
EVENT CONCLUDED?
1011
N
Y
END TRANSMISSION
1013
END

FIG. 10

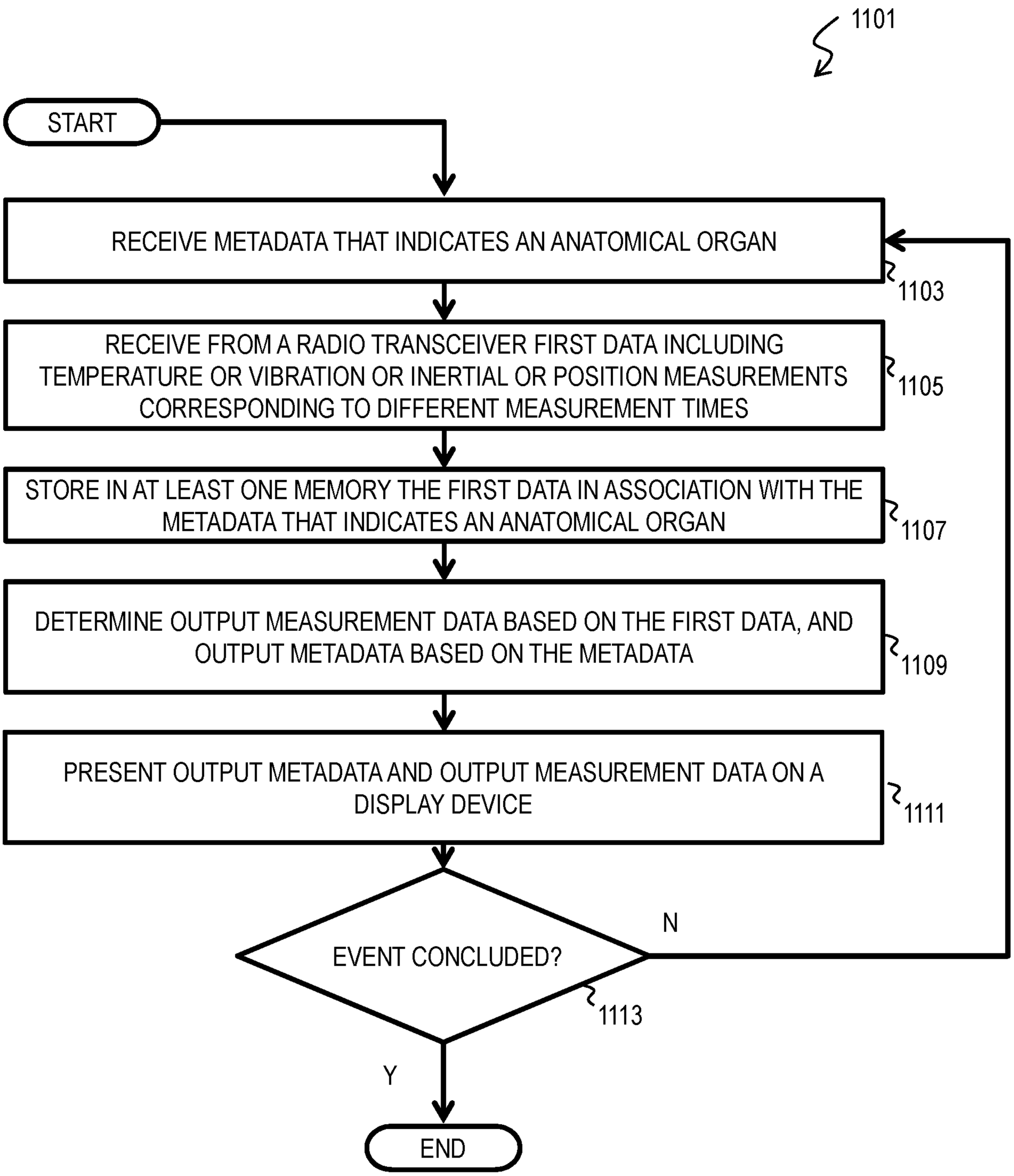

1101
START
RECEIVE METADATA THAT INDICATES AN ANATOMICAL ORGAN
1103
RECEIVE FROM A RADIO TRANSCEIVER FIRST DATA INCLUDING TEMPERATURE OR VIBRATION OR INERTIAL OR POSITION MEASUREMENTS CORRESPONDING TO DIFFERENT MEASUREMENT TIMES
1105
STORE IN AT LEAST ONE MEMORY THE FIRST DATA IN ASSOCIATION WITH THE METADATA THAT INDICATES AN ANATOMICAL ORGAN
1107
DETERMINE OUTPUT MEASUREMENT DATA BASED ON THE FIRST DATA, AND OUTPUT METADATA BASED ON THE METADATA
1109
PRESENT OUTPUT METADATA AND OUTPUT MEASUREMENT DATA ON A DISPLAY DEVICE
1111
EVENT CONCLUDED?
1113
N
Y
END

FIG. 11

FIG. 12A

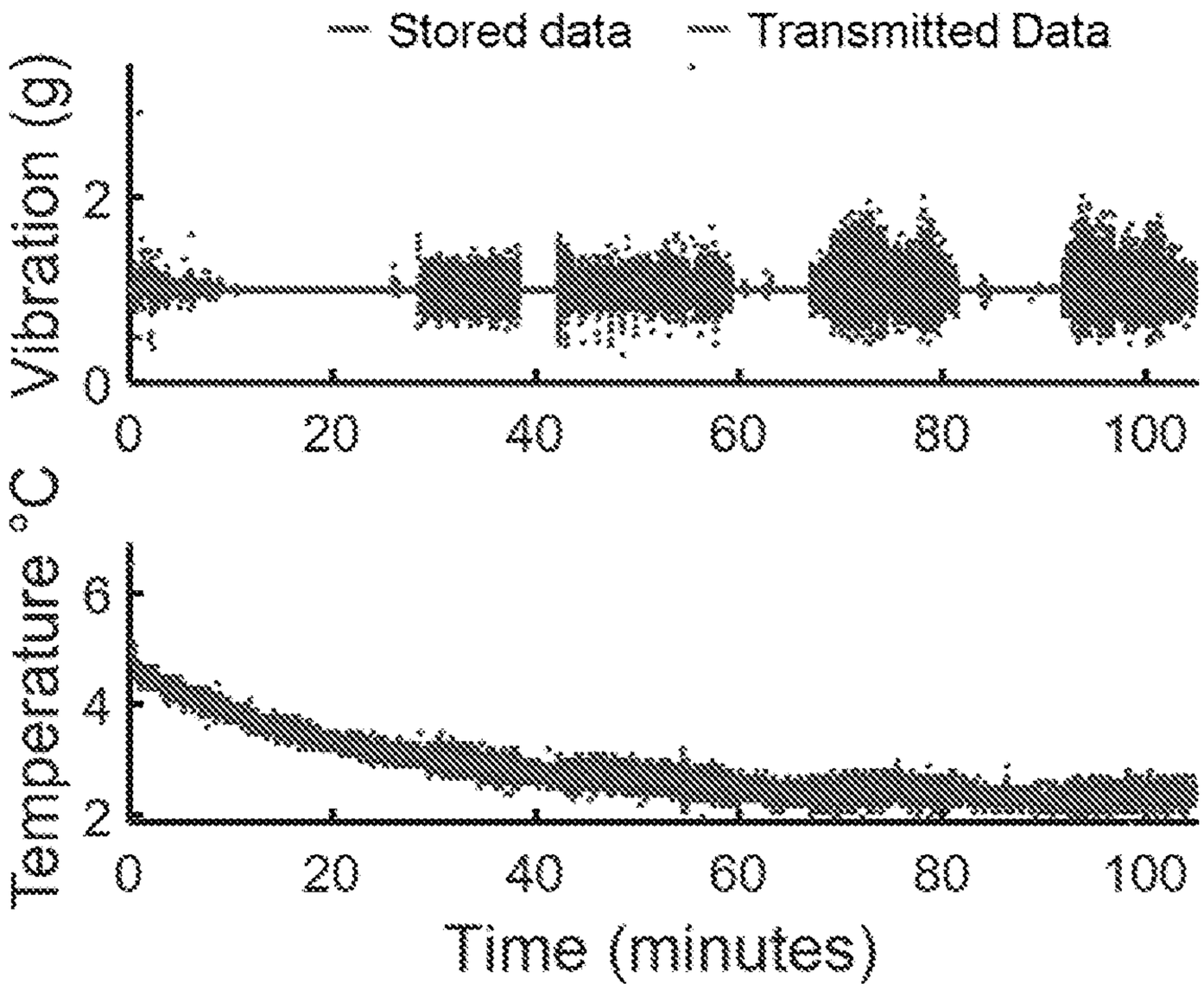
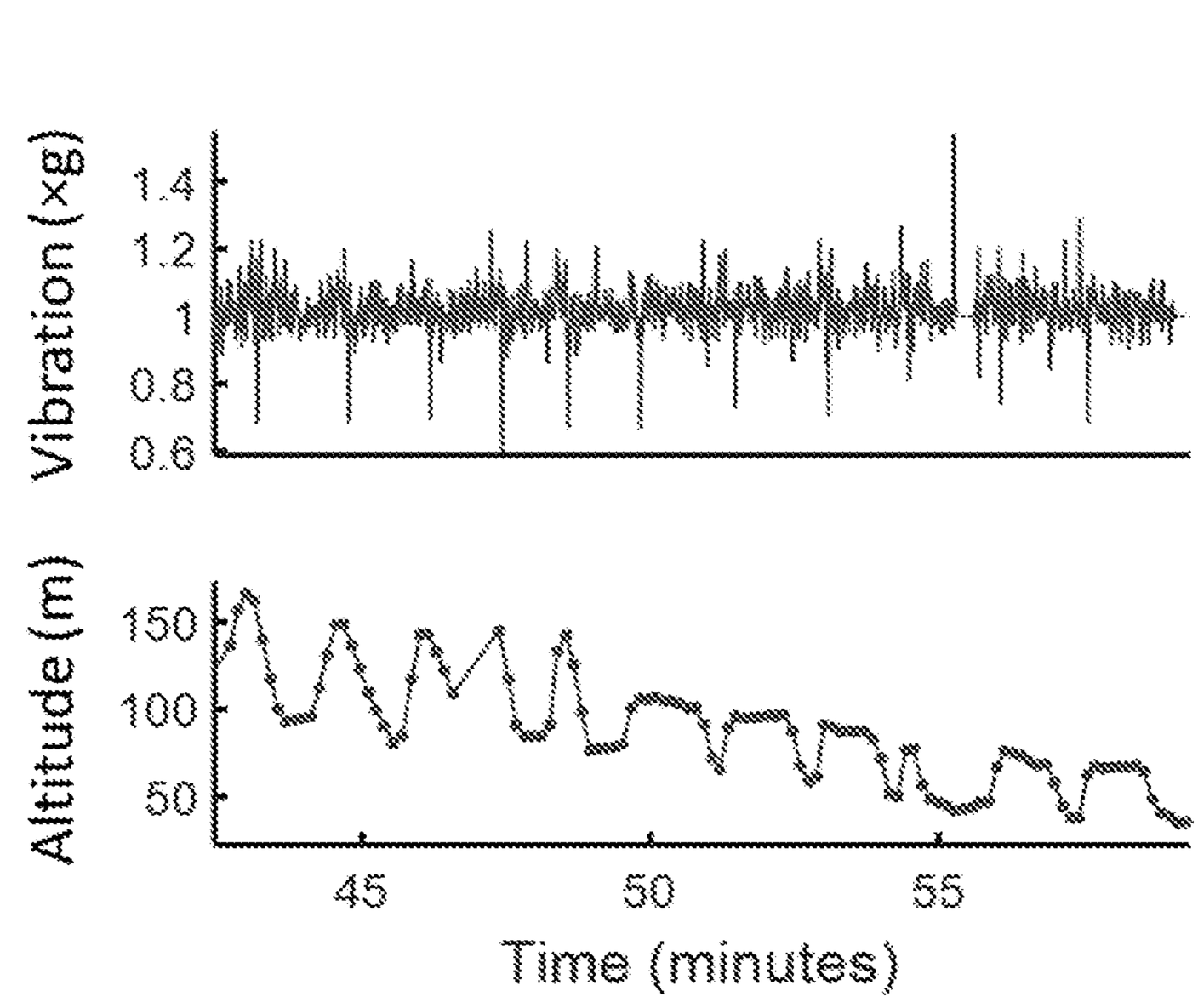



FIG. 12B

FIG. 13A

FIG. 13B



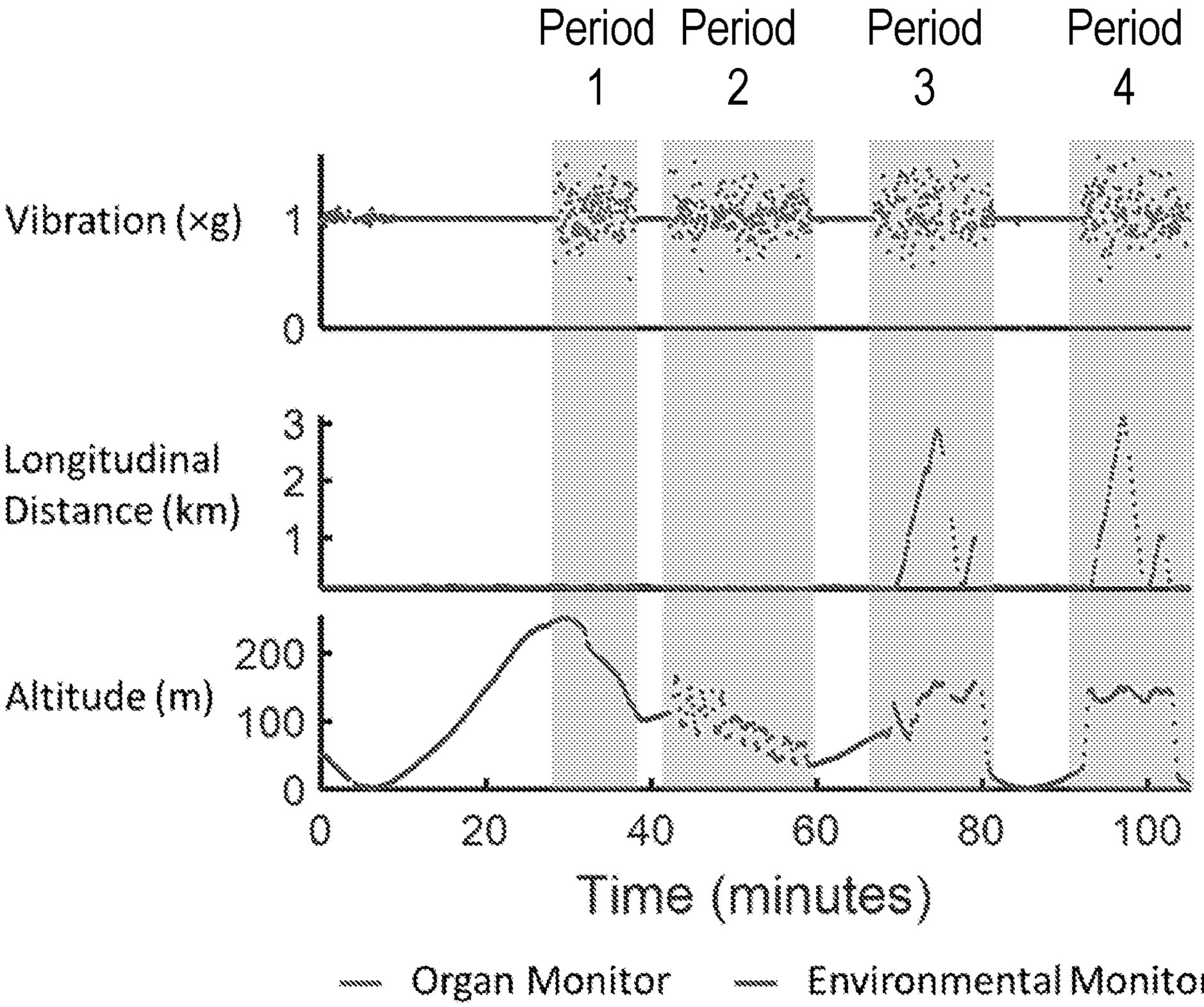



FIG. 14A

FIG. 14B

FIG. 14C

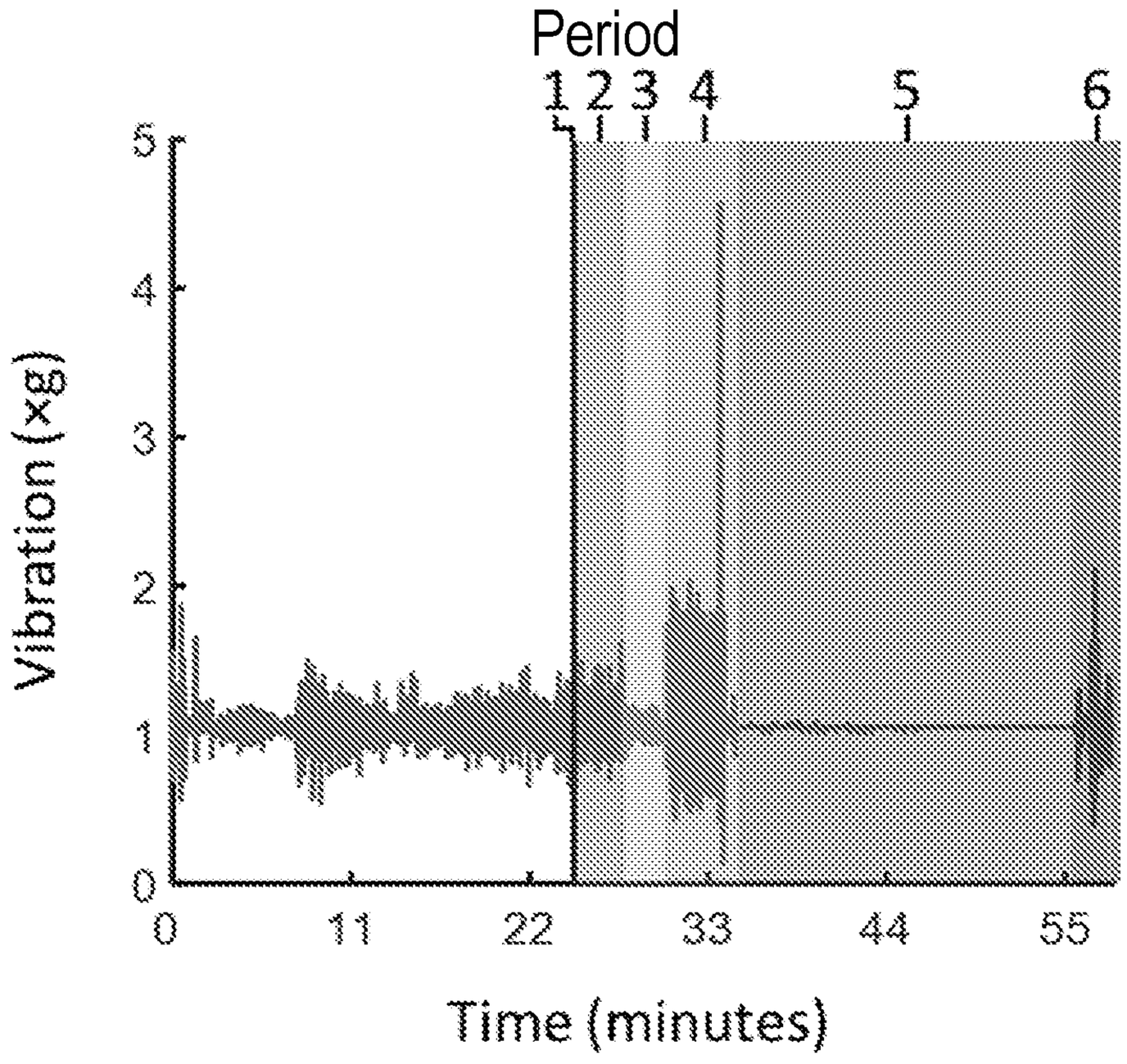
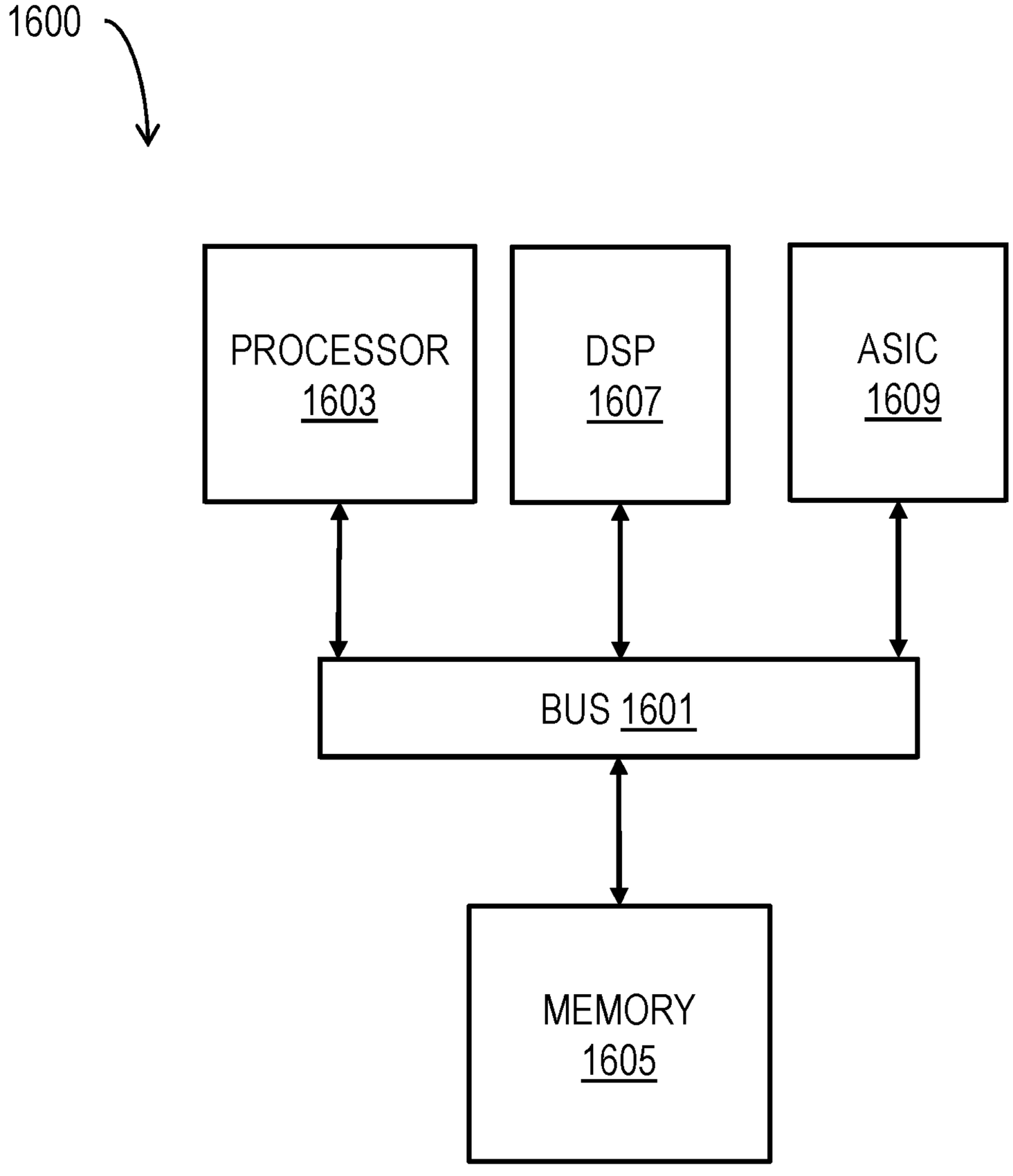

Period
1
2
3
4
5
6
Vibration (xg)
0
1
2
3
4
5
0
11
22
33
44
55
Time (minutes)

FIG. 15

FIG. 16



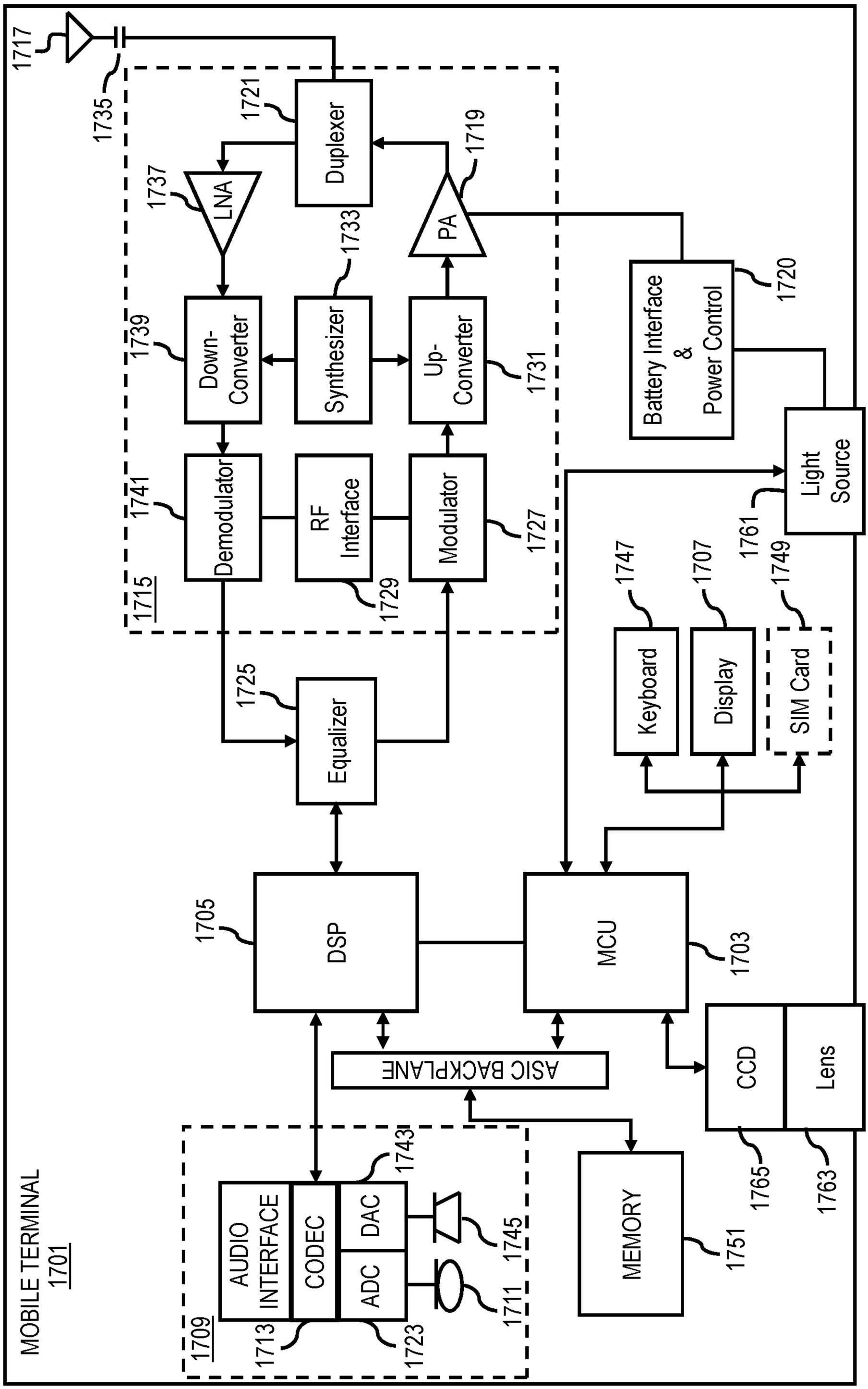

MOBILE TERMINAL
1701
1717
1735
1721
Duplexer
1737
LNA
1719
PA
1733
1739
Down-
Converter
Synthesizer
Up-
Converter
1731
1741
Demodulator
RF
Interface
Modulator
1727
1715
1729
Battery Interface
&
Power Control
1720
Light
Source
1747
1707
1761
1749
Keyboard
Display
SIM Card
1725
Equalizer
1705
DSP
MCU
1703
ASIC BACKPLANE
CCD
Lens
1765
1763
1709
AUDIO
INTERFACE
CODEC
DAC
ADC
1743
1745
1711
1713
1723
MEMORY
1751

FIG. 17