

- 110 : System set up diagram
- 210 : Sensor mat
- 310 : Wireless parent control unit
- 410 : Electronics box
- 510 : AC adaptor
- 610 : Wake up sock
- 710 : Alarm device

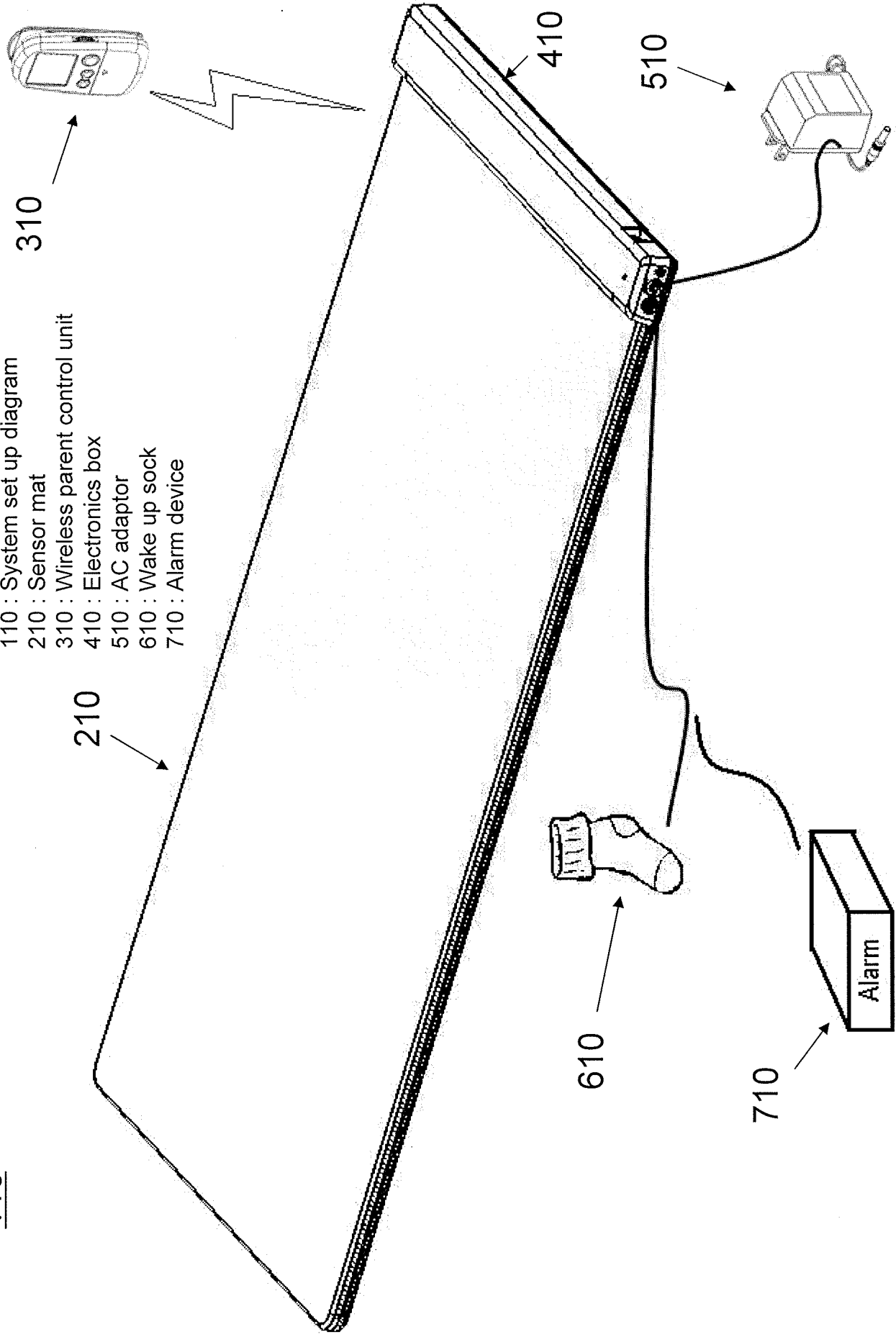


FIGURE 1

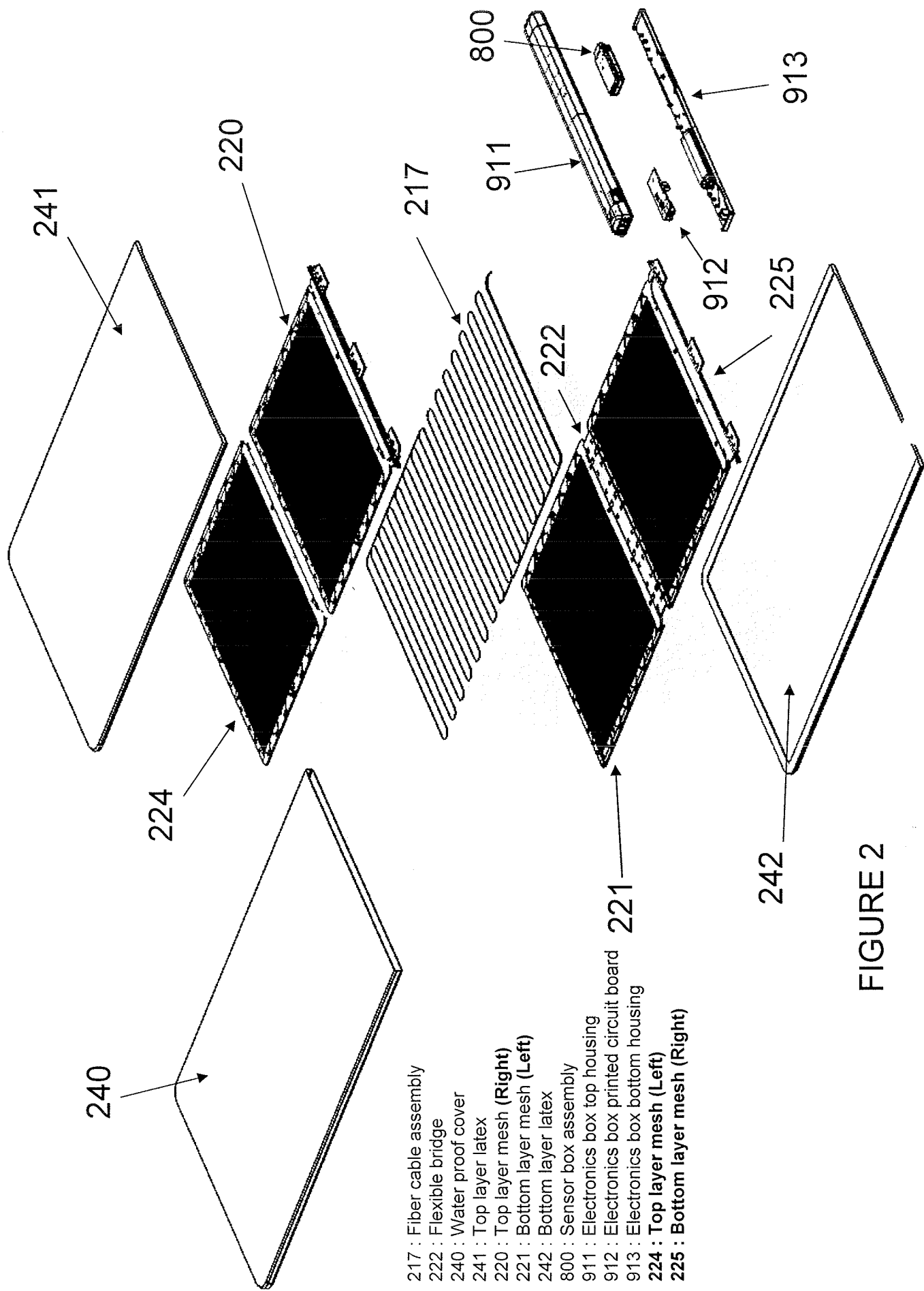


FIGURE 2

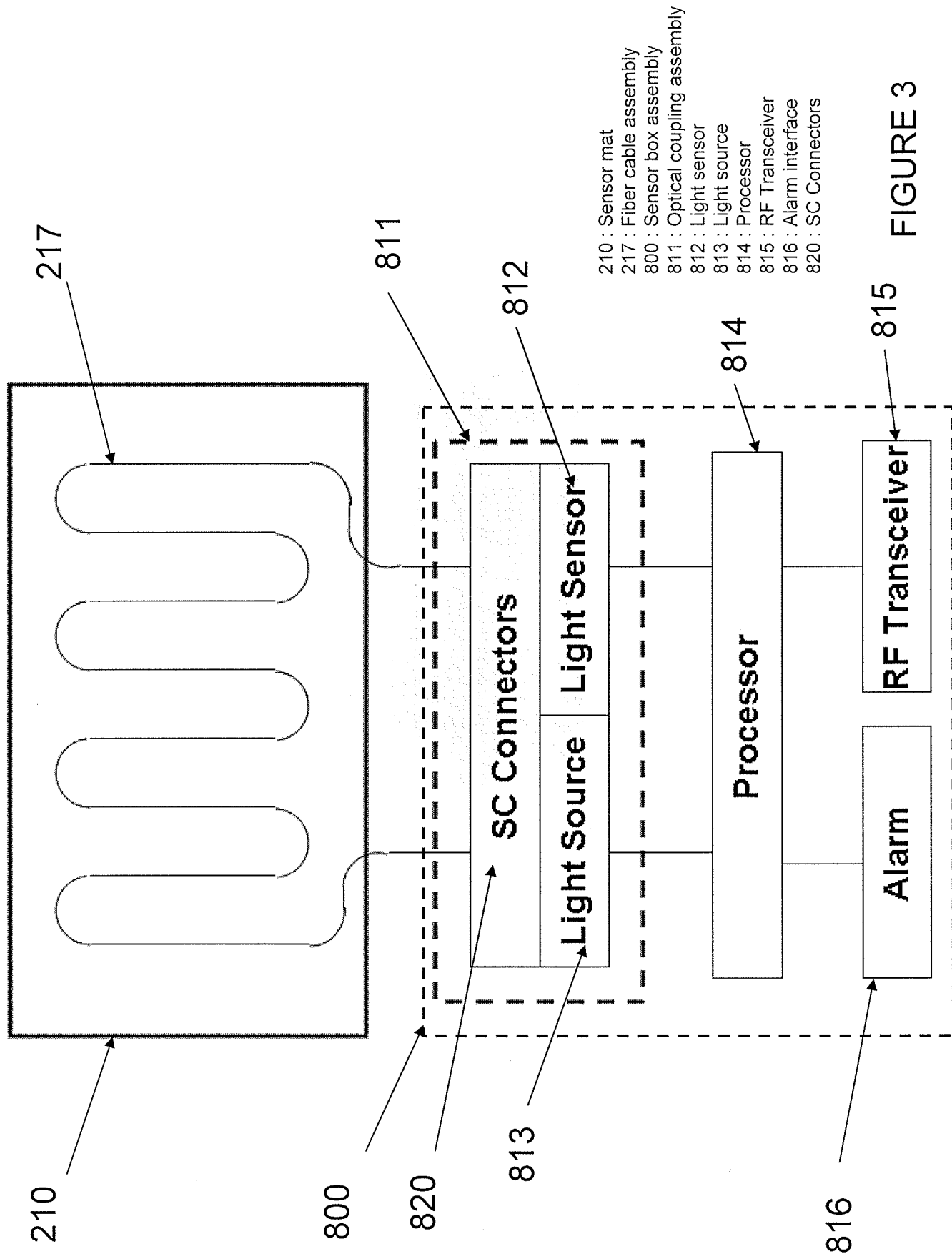


FIGURE 3

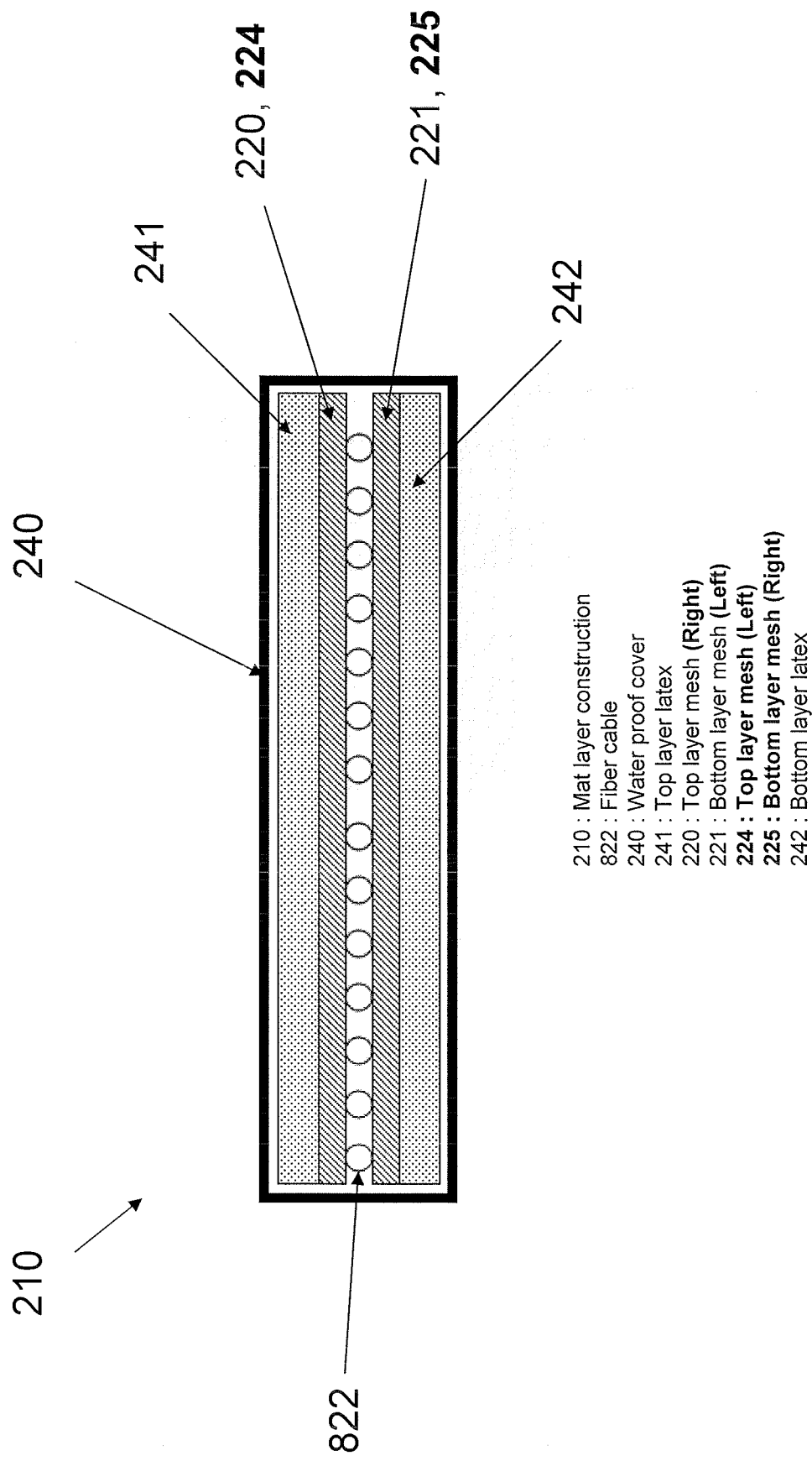


FIGURE 4

- 217 : Fiber cable assembly
- 220 : Top layer mesh (Right)
- 221 : Bottom layer mesh (Left) *
- 222 : Flexible bridge
- 224 : Top layer mesh (Left)
- 225 : Bottom layer mesh (Right) *

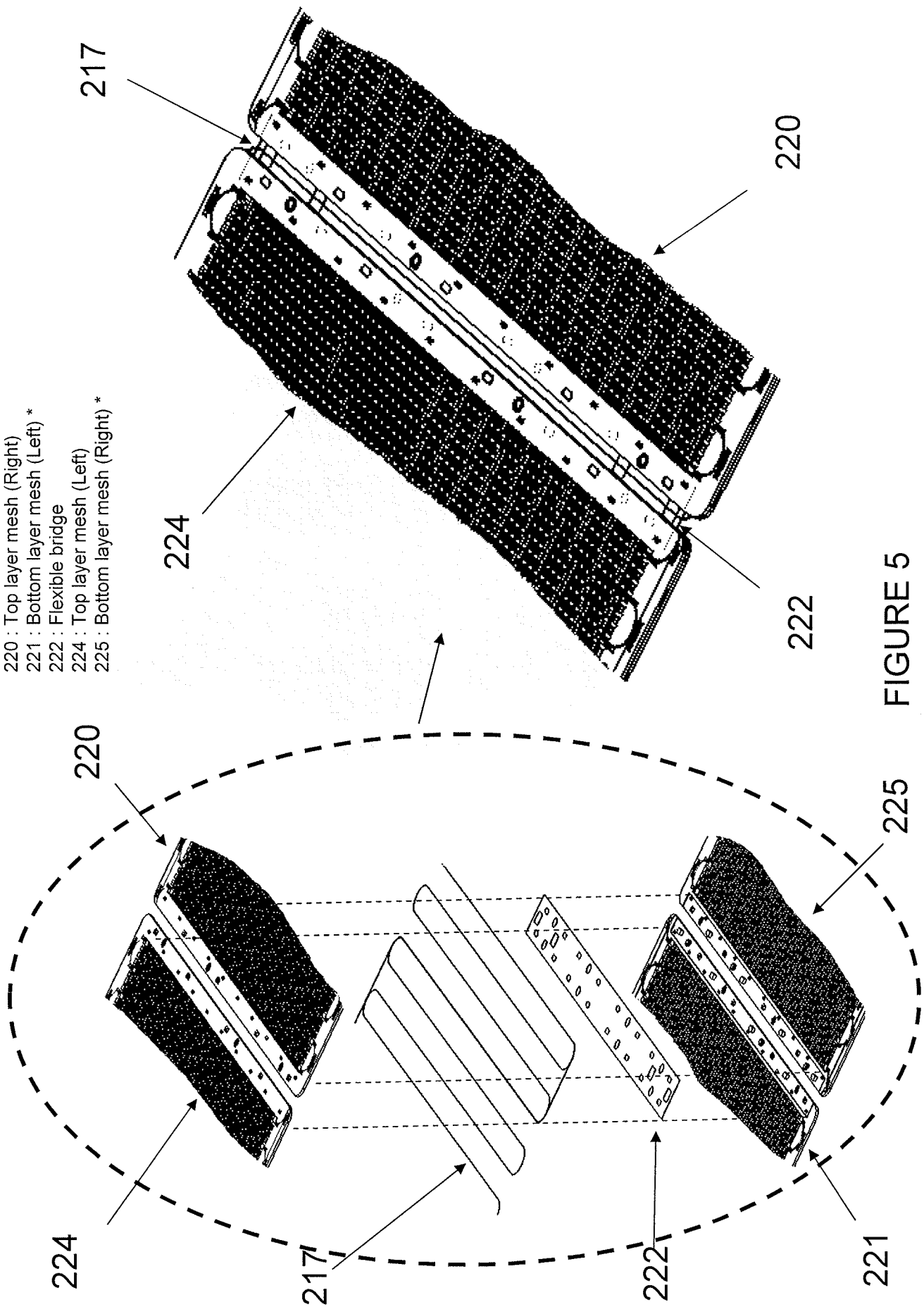


FIGURE 5

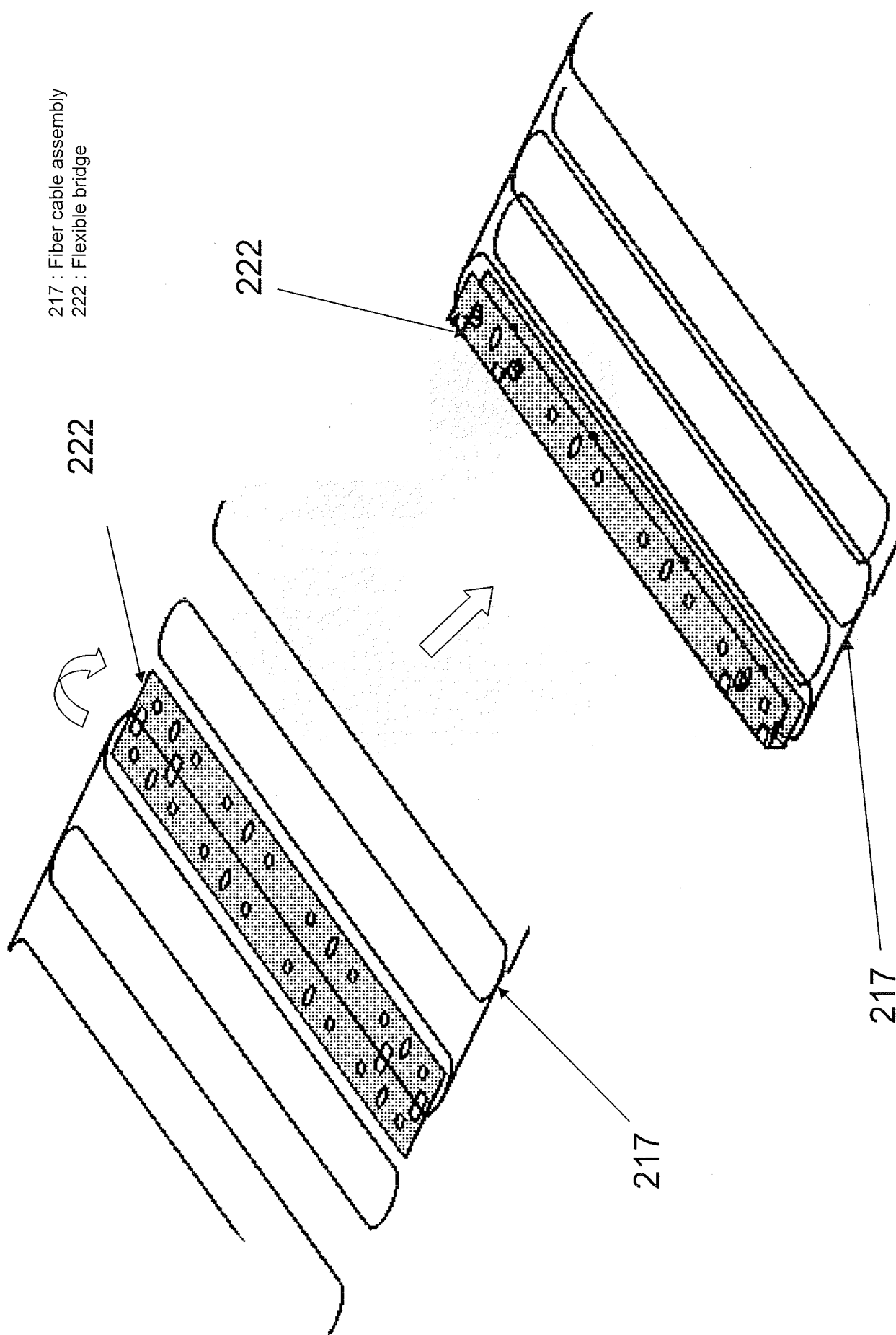


FIGURE 6

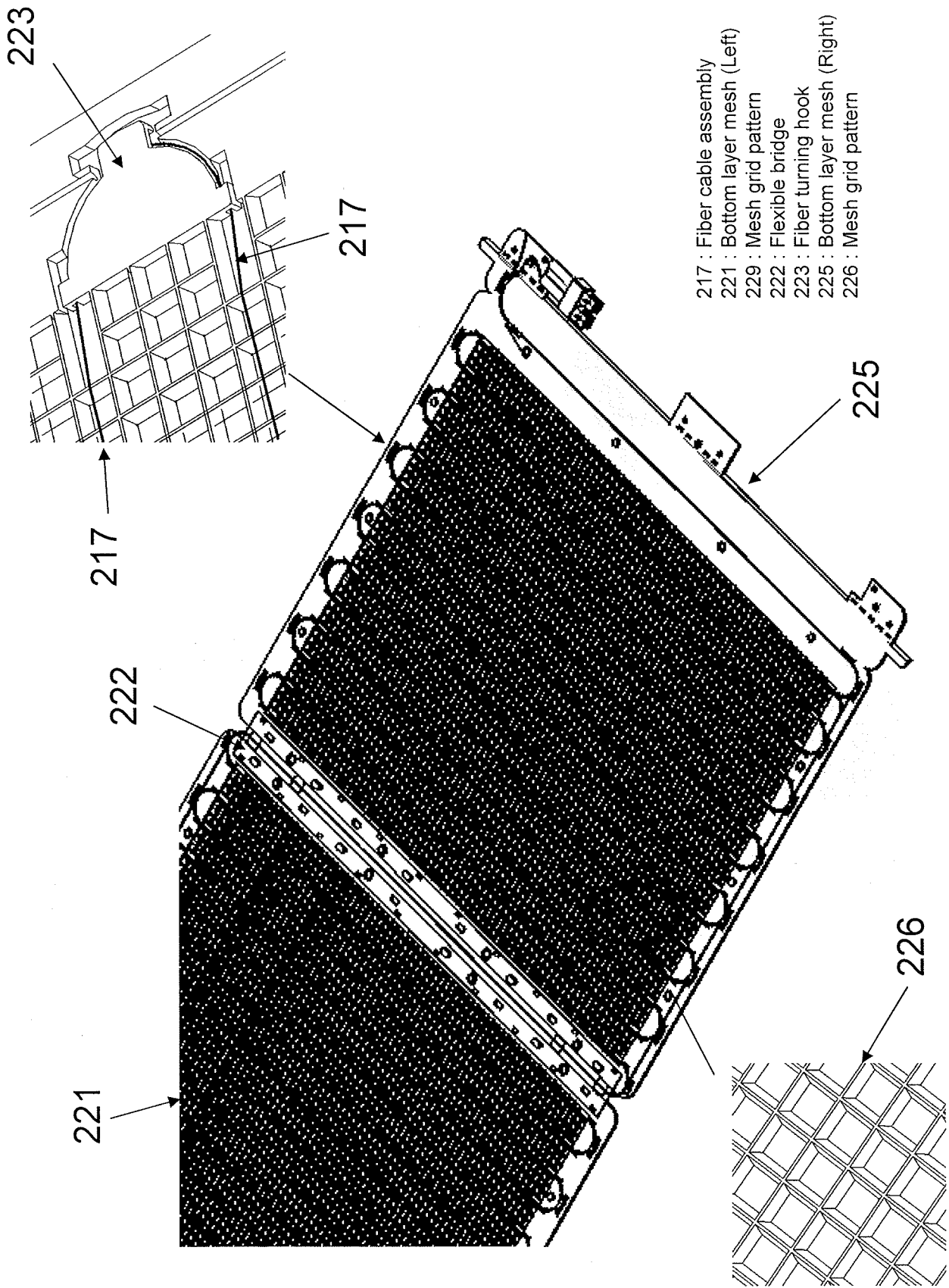
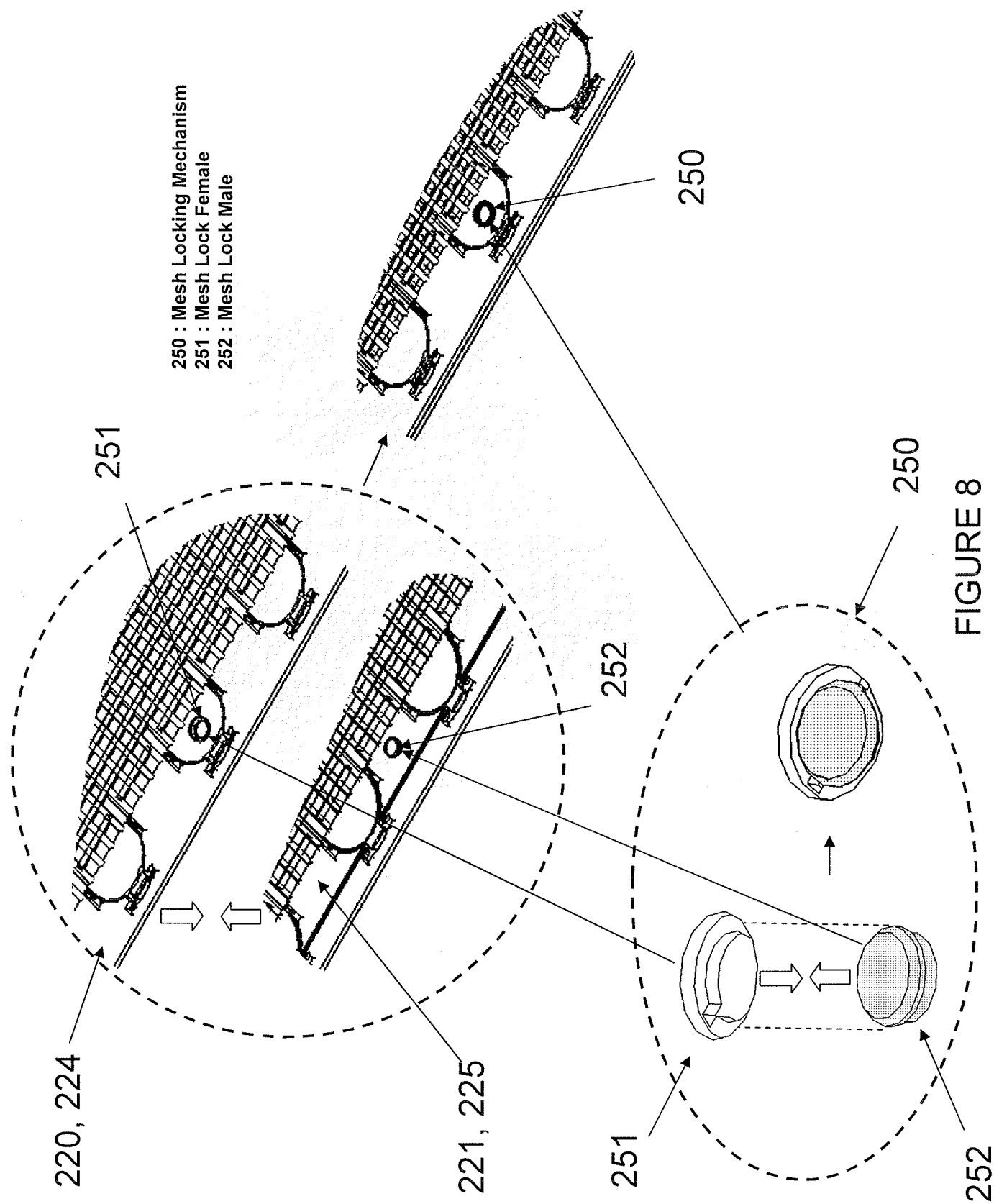


FIGURE 7



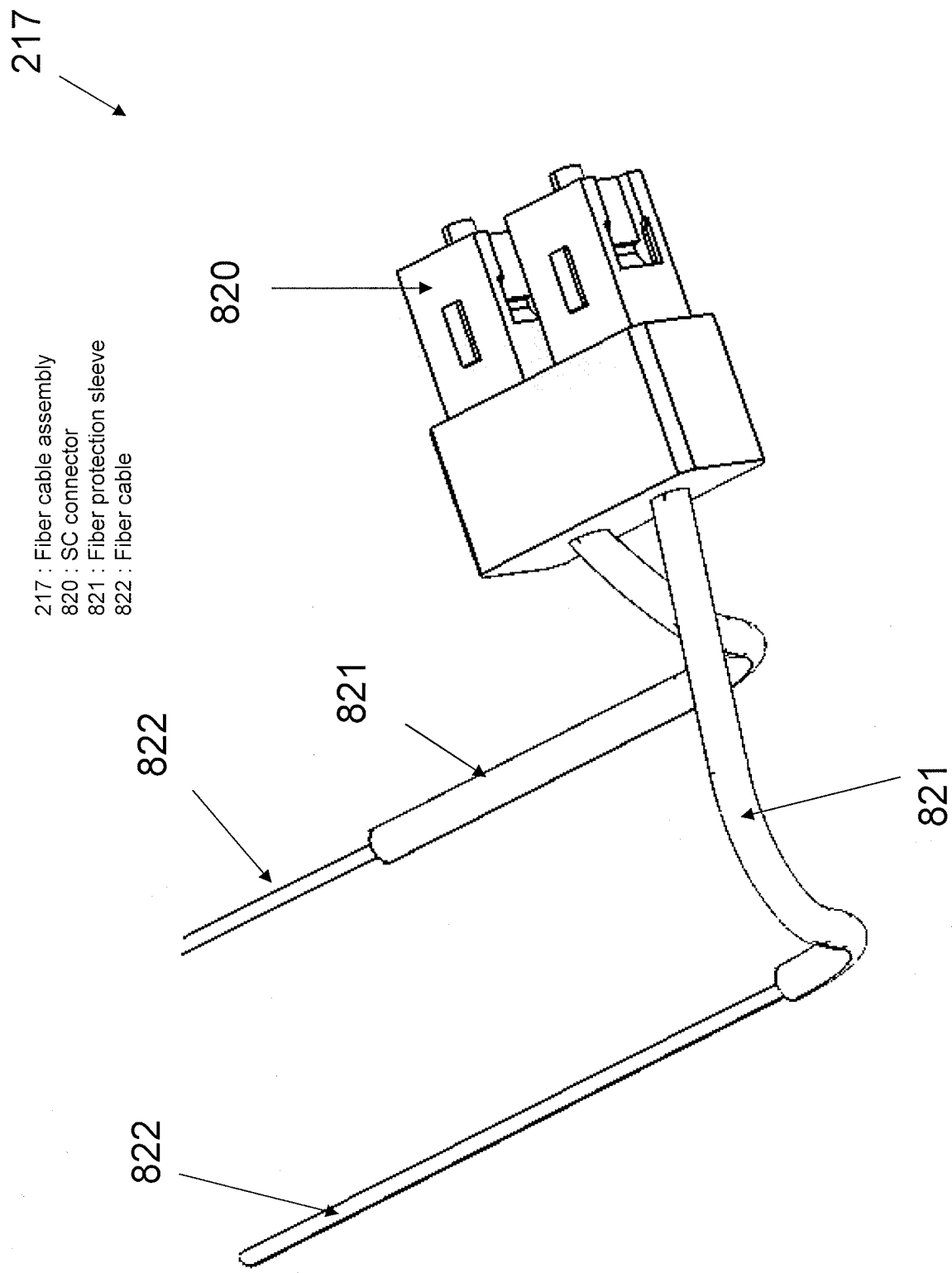


FIGURE 9

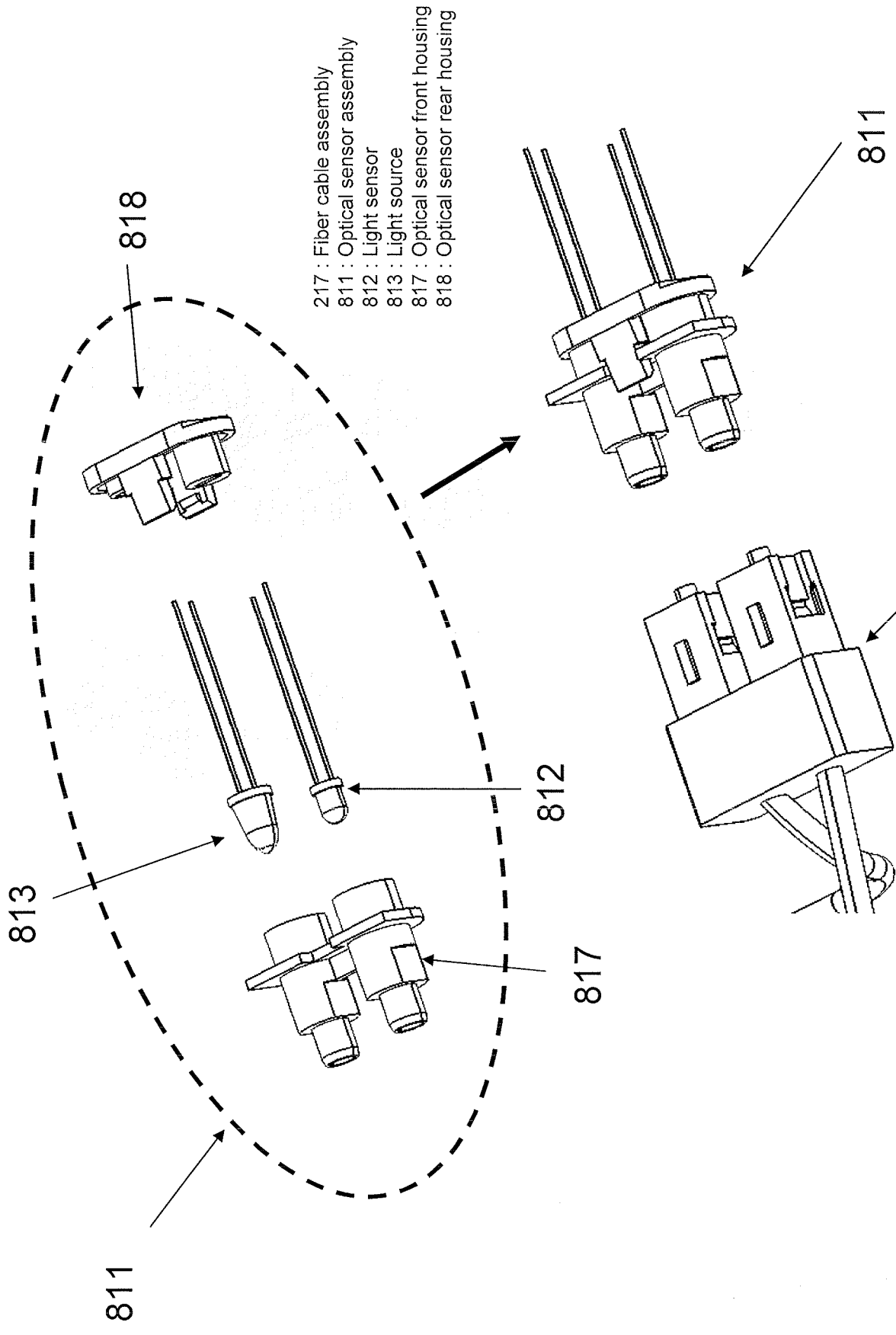


FIGURE 10 217

- 217 : Fiber cable assembly
- 800 : Sensor box assembly
- 811 : Optical coupling assembly
- 830 : Sensor box top casing
- 831 : Sensor box printed circuit board assembly
- 832 : Sensor box bottom casing

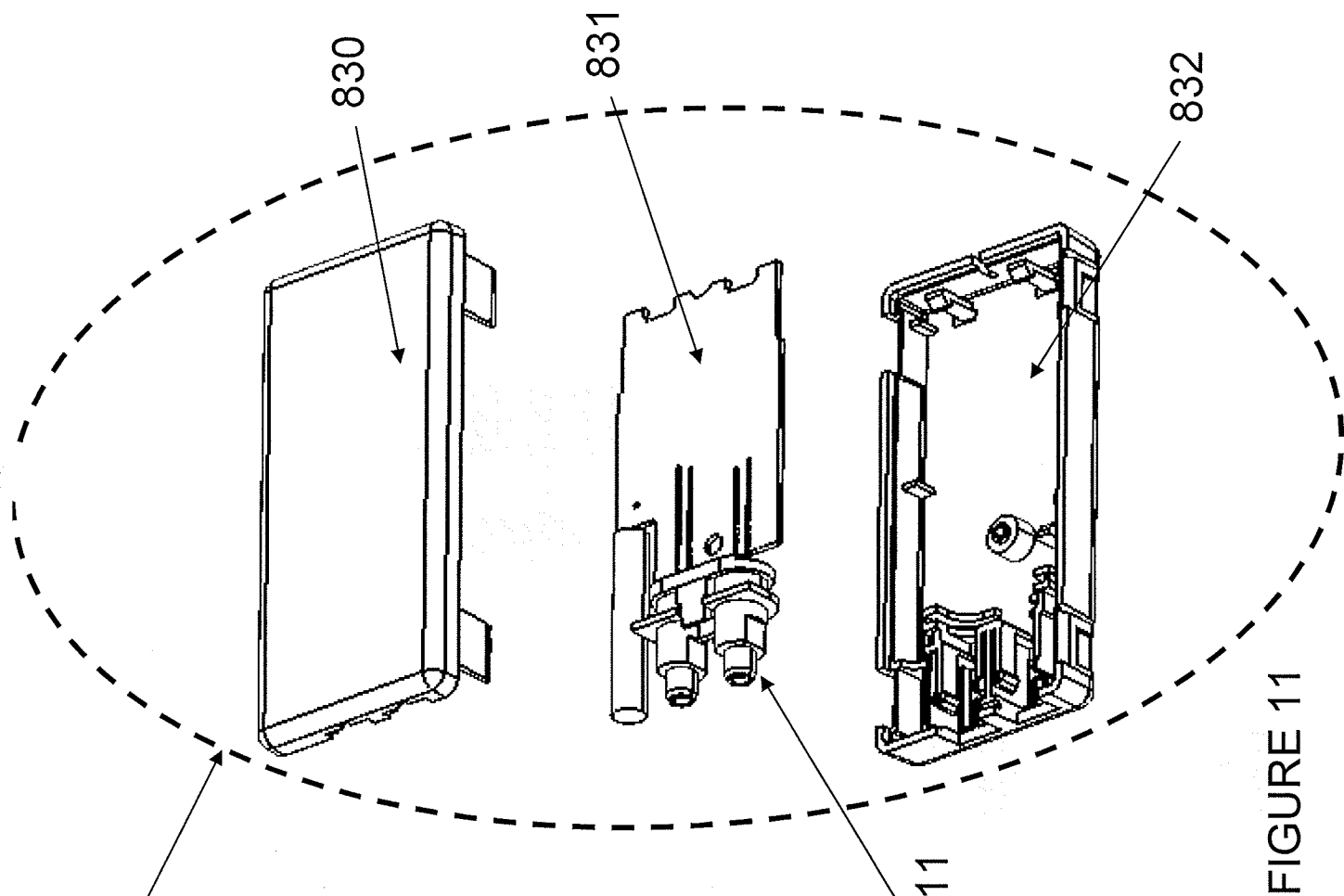
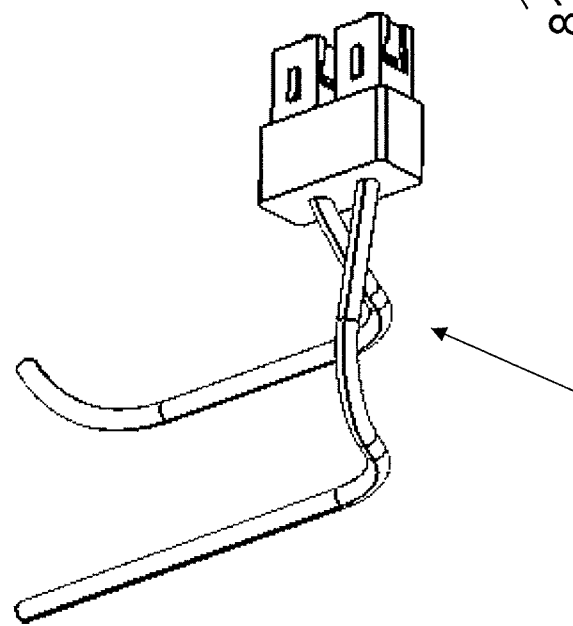


FIGURE 11

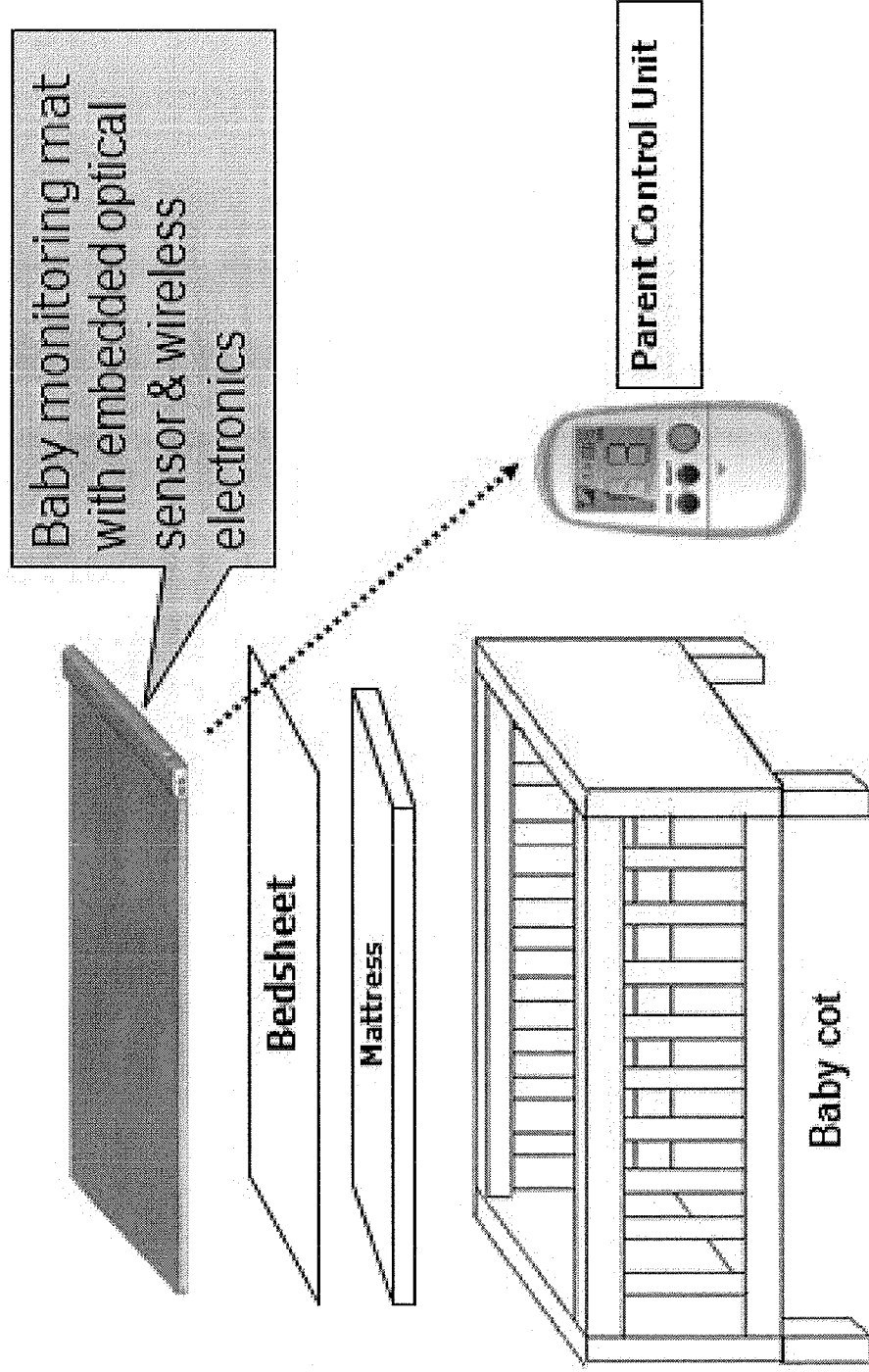


FIGURE 12

Sudden drop off
of DC signals
Baby out of Mat

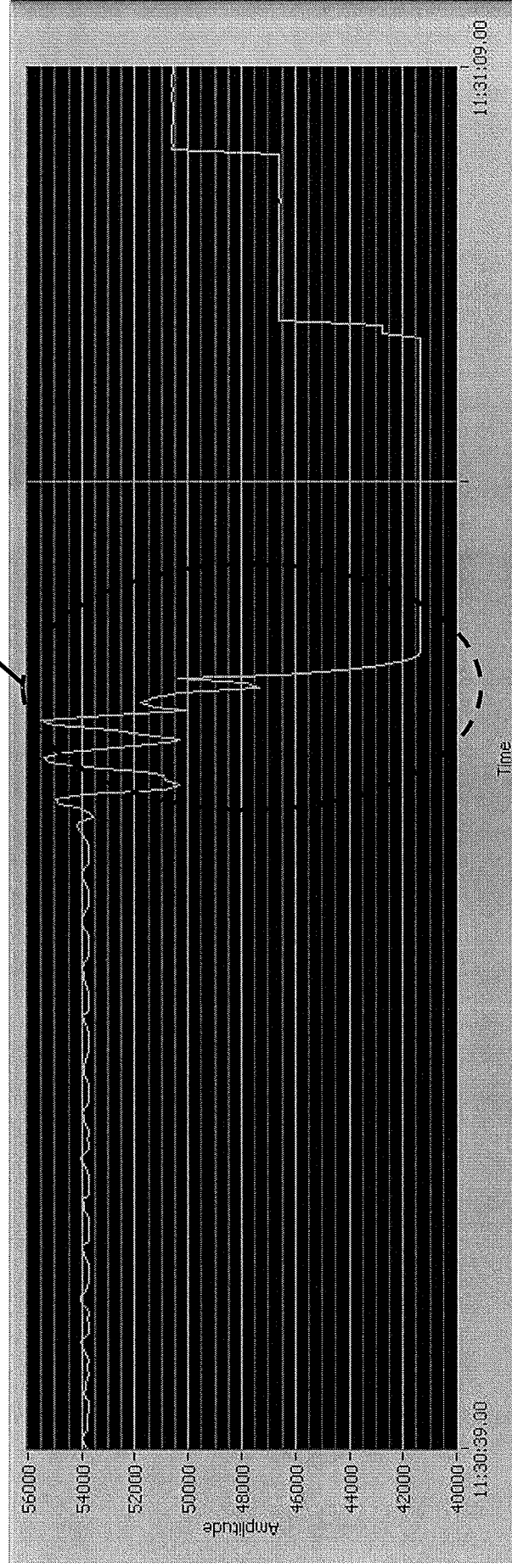
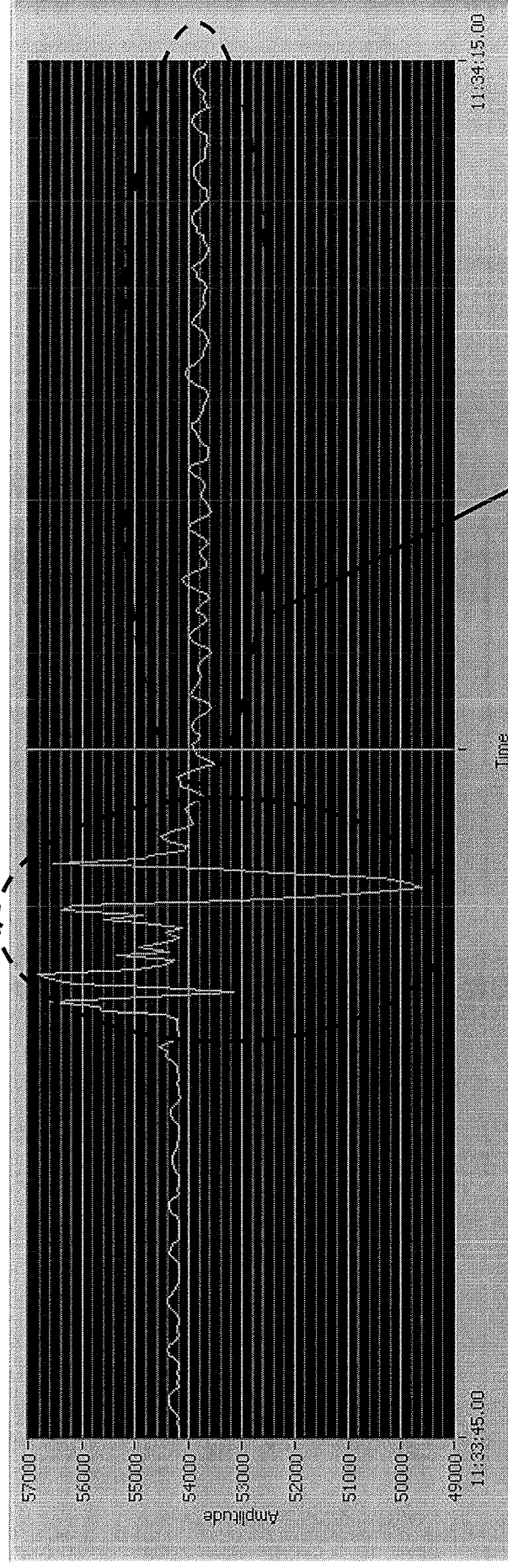


FIGURE 13

Sudden big
change in
amplitude signals
Baby Movement



Normal Baby
Breath Signal

FIGURE 14

Each signal peak
represents one
Breath count

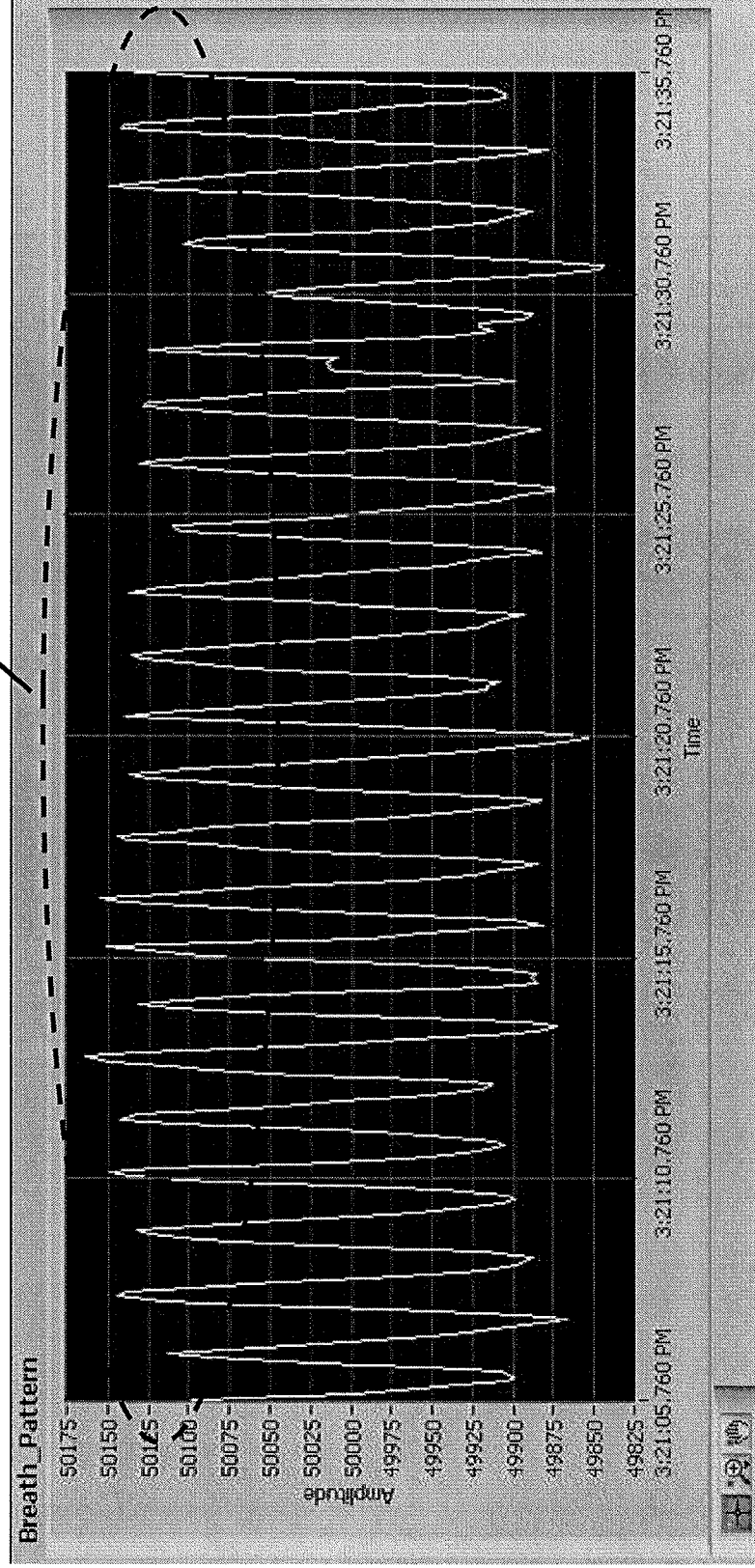


FIGURE 15

Apneic Episode
between normal
breathing
patterns

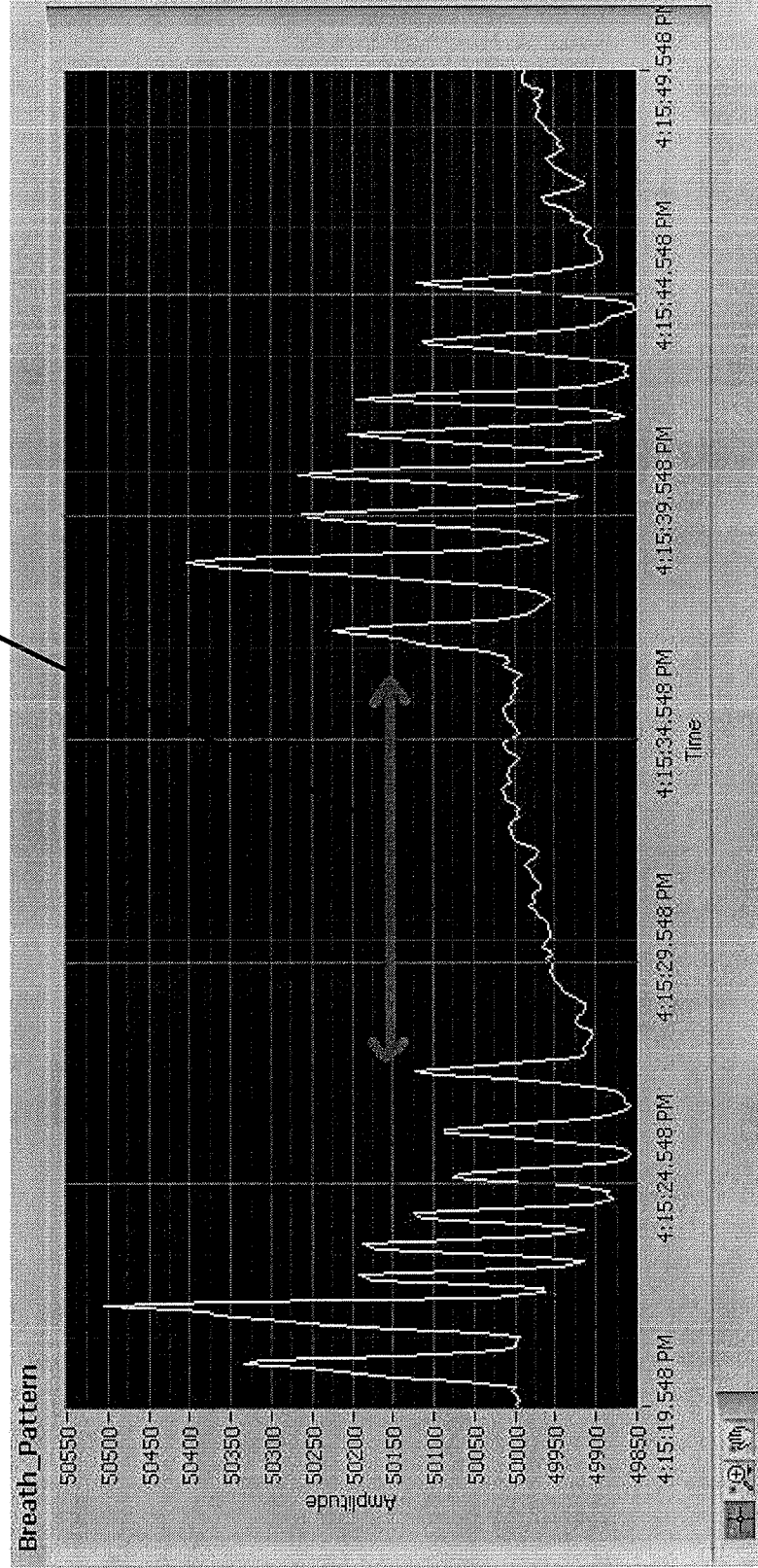


FIGURE 16