

FIG. 1

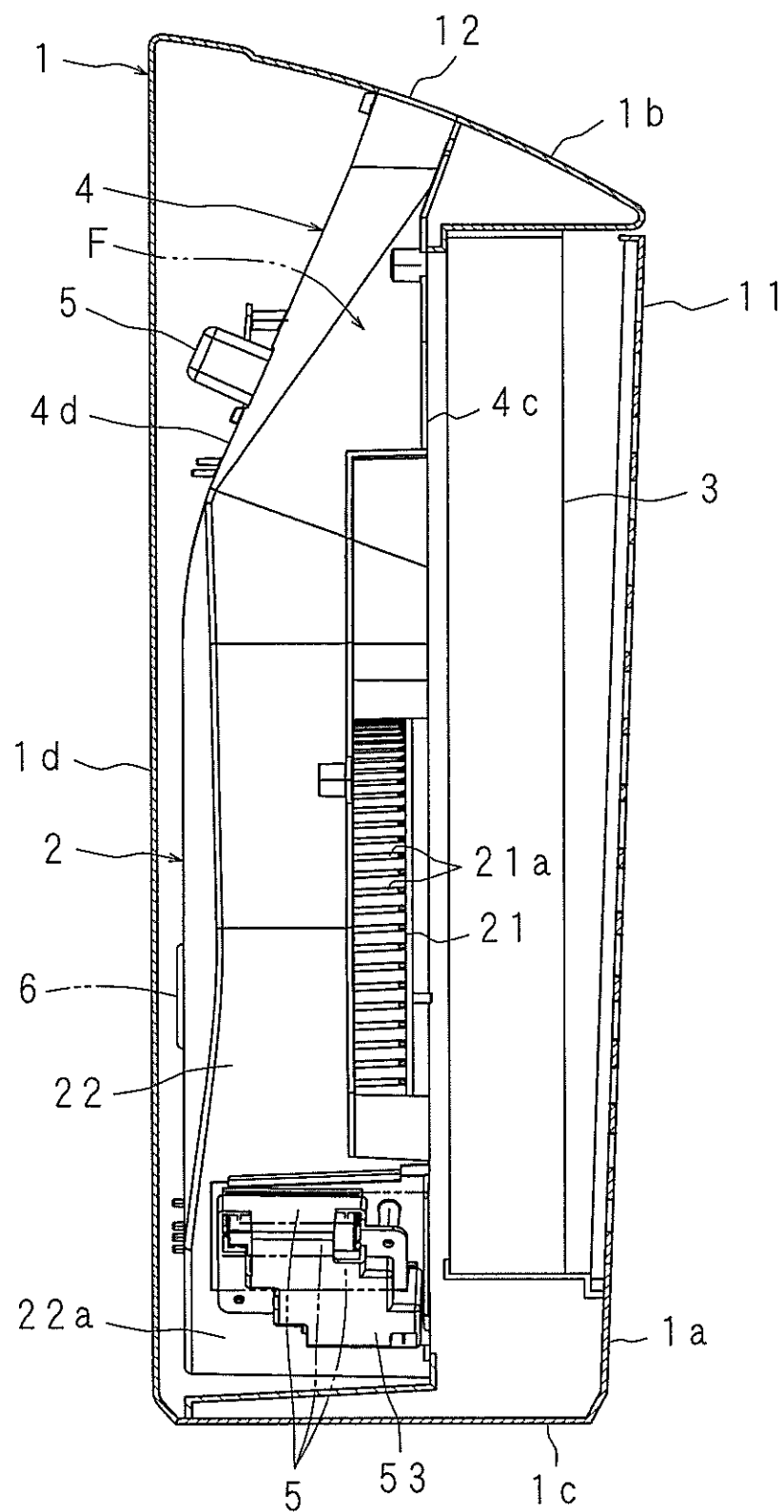


FIG. 2

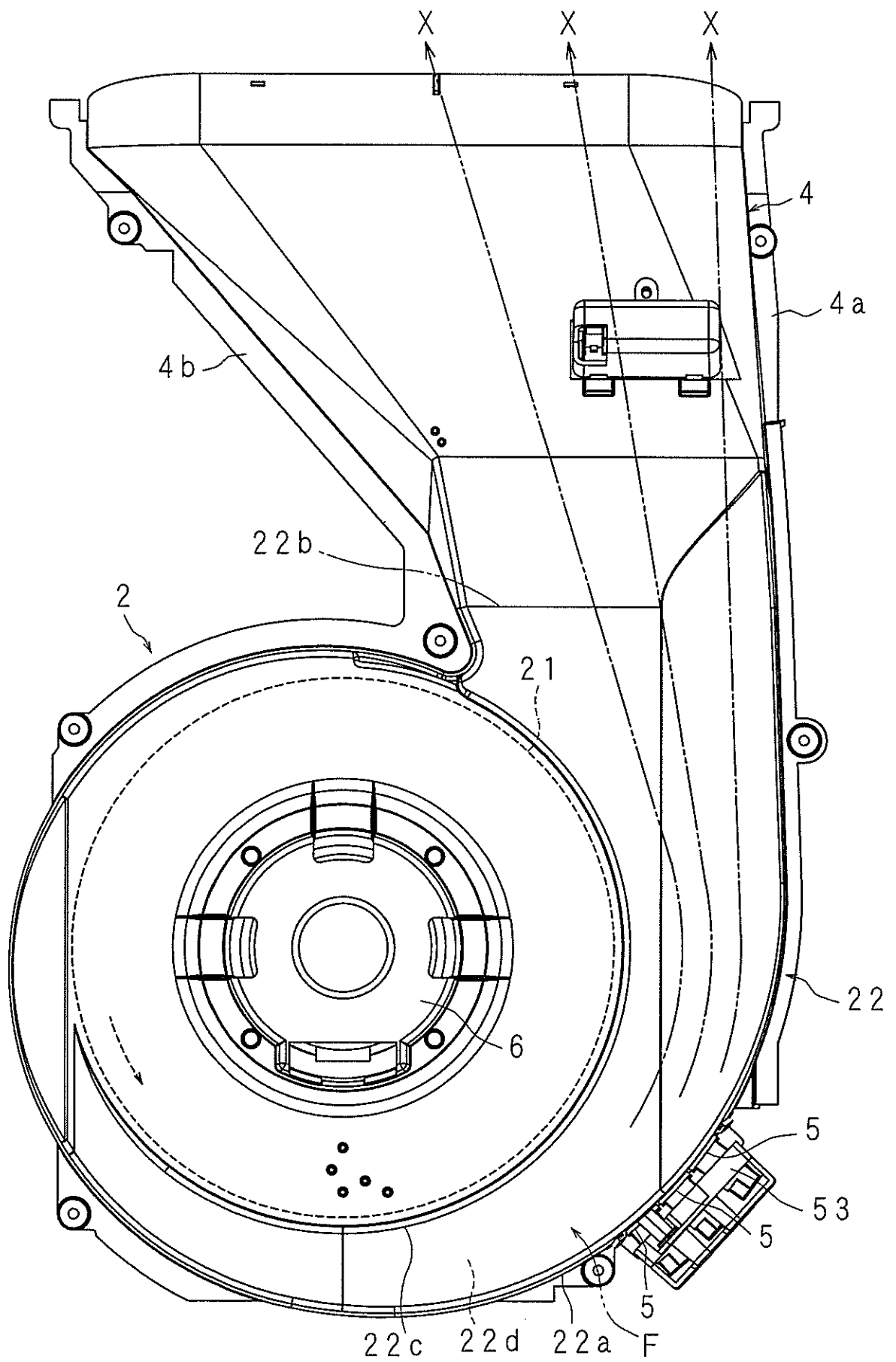


FIG. 3

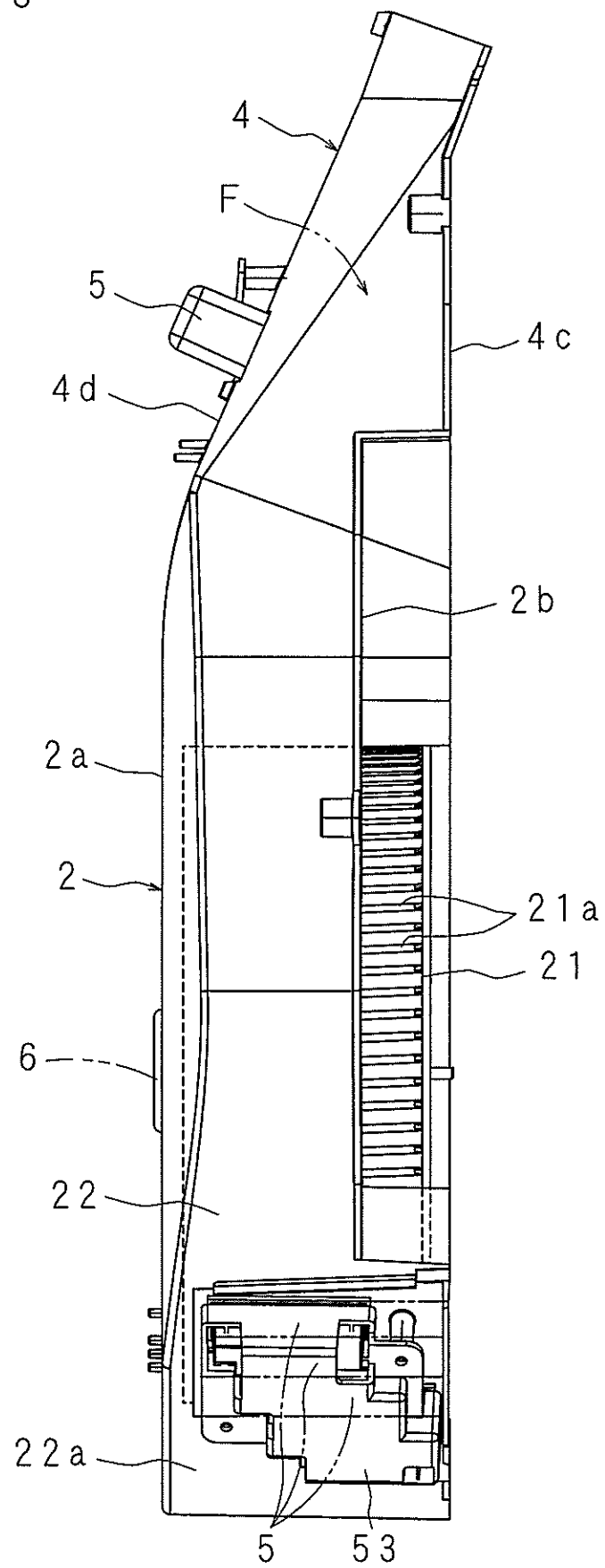
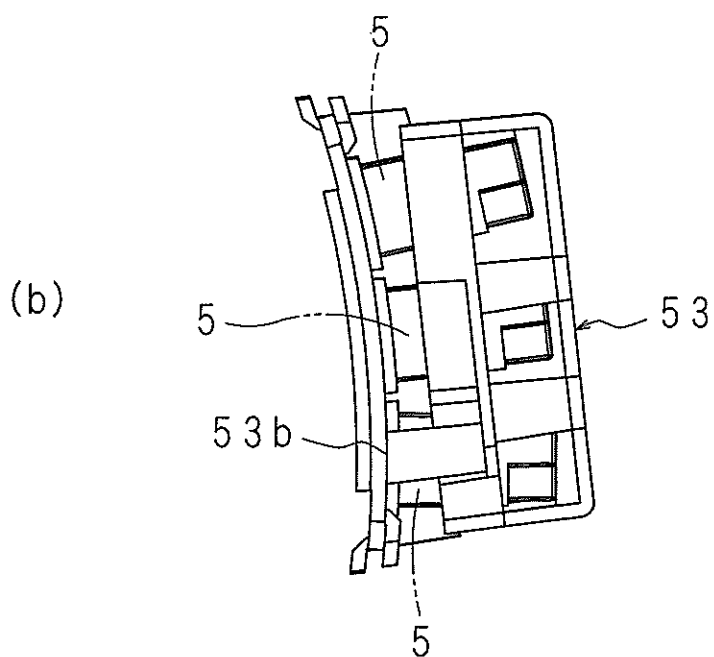
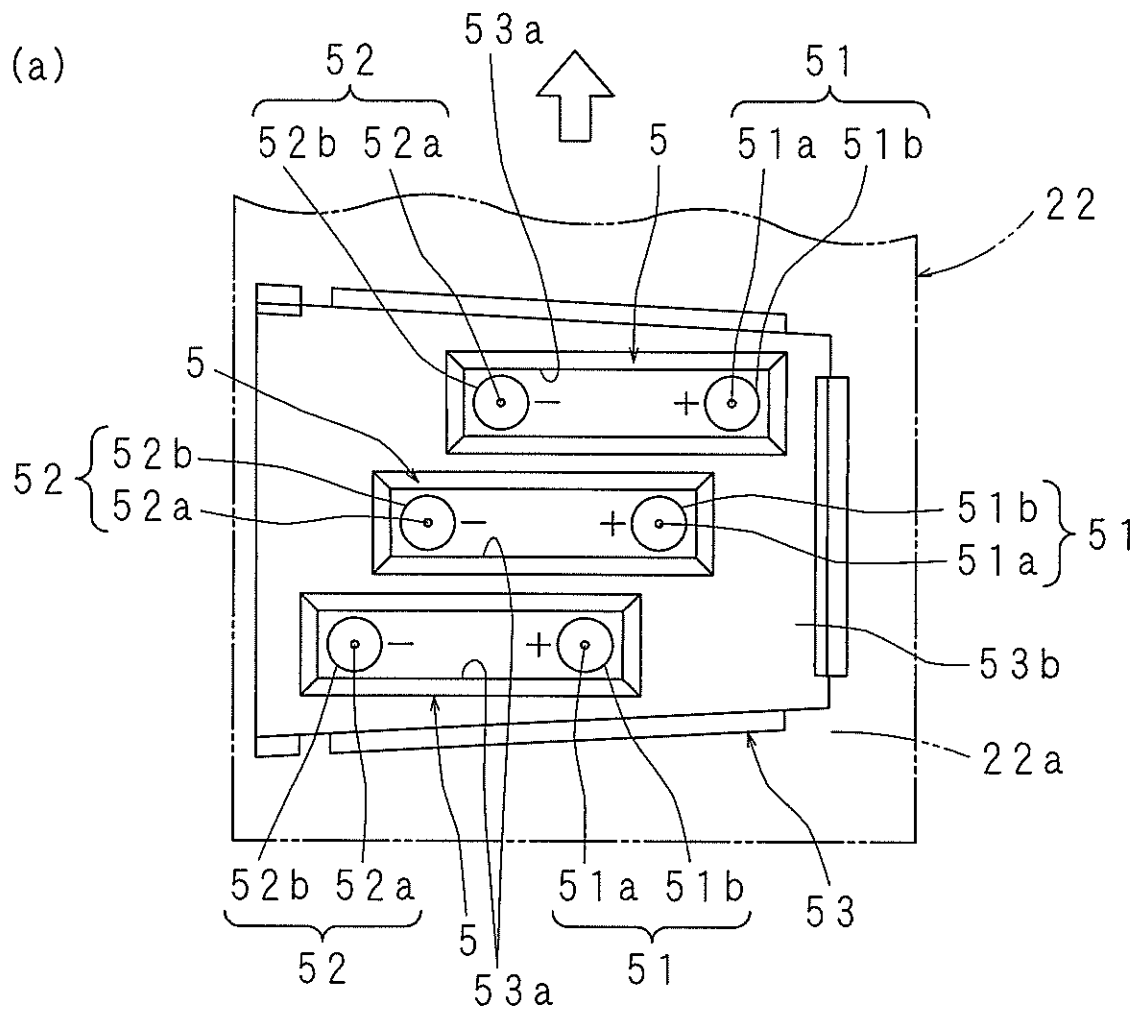
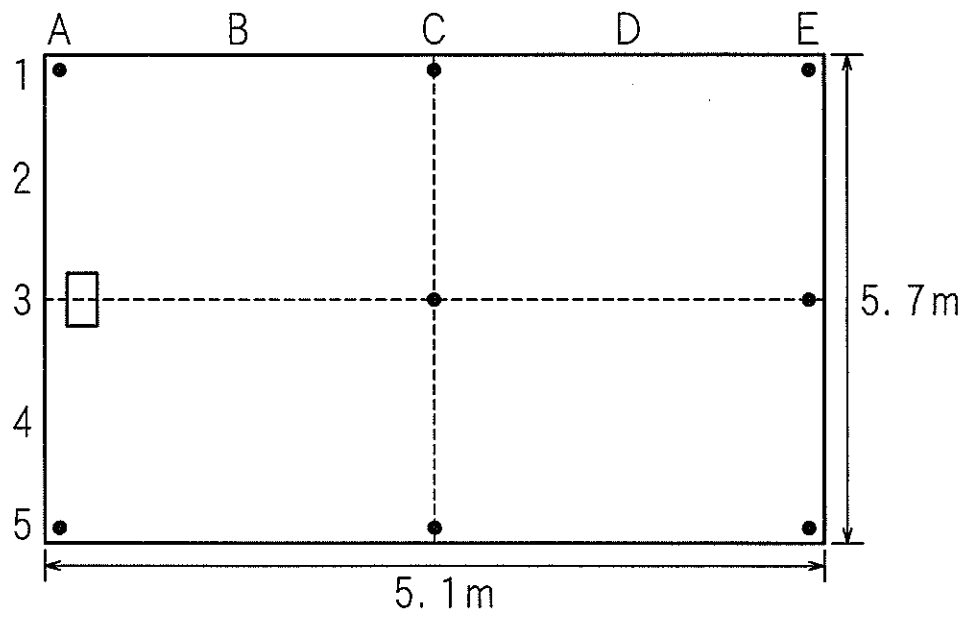


FIG. 4



F I G. 5



• : MEASUREMENT POINT  
(2.5M IN HEIGHT)

FIG. 6

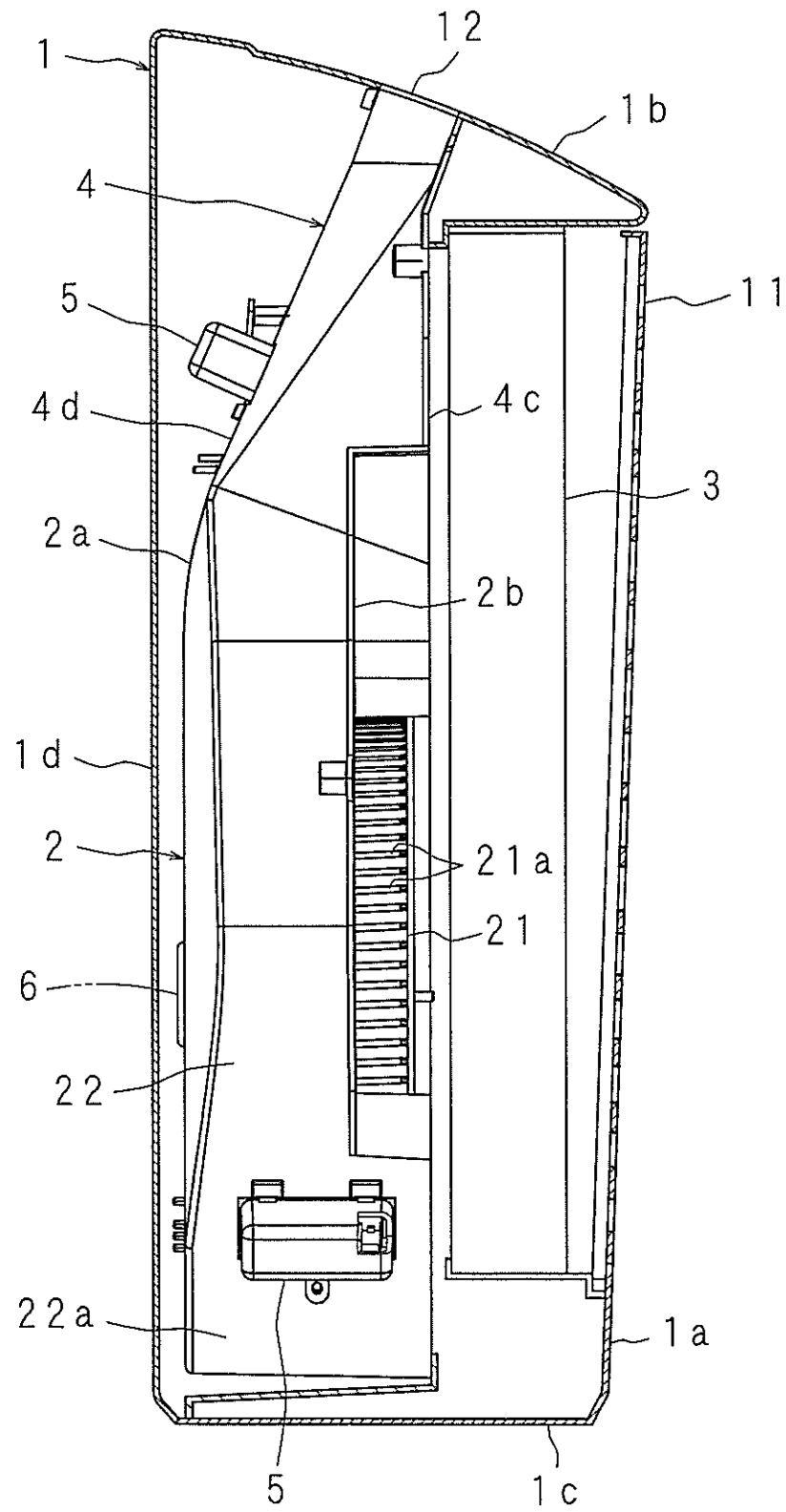


FIG. 7

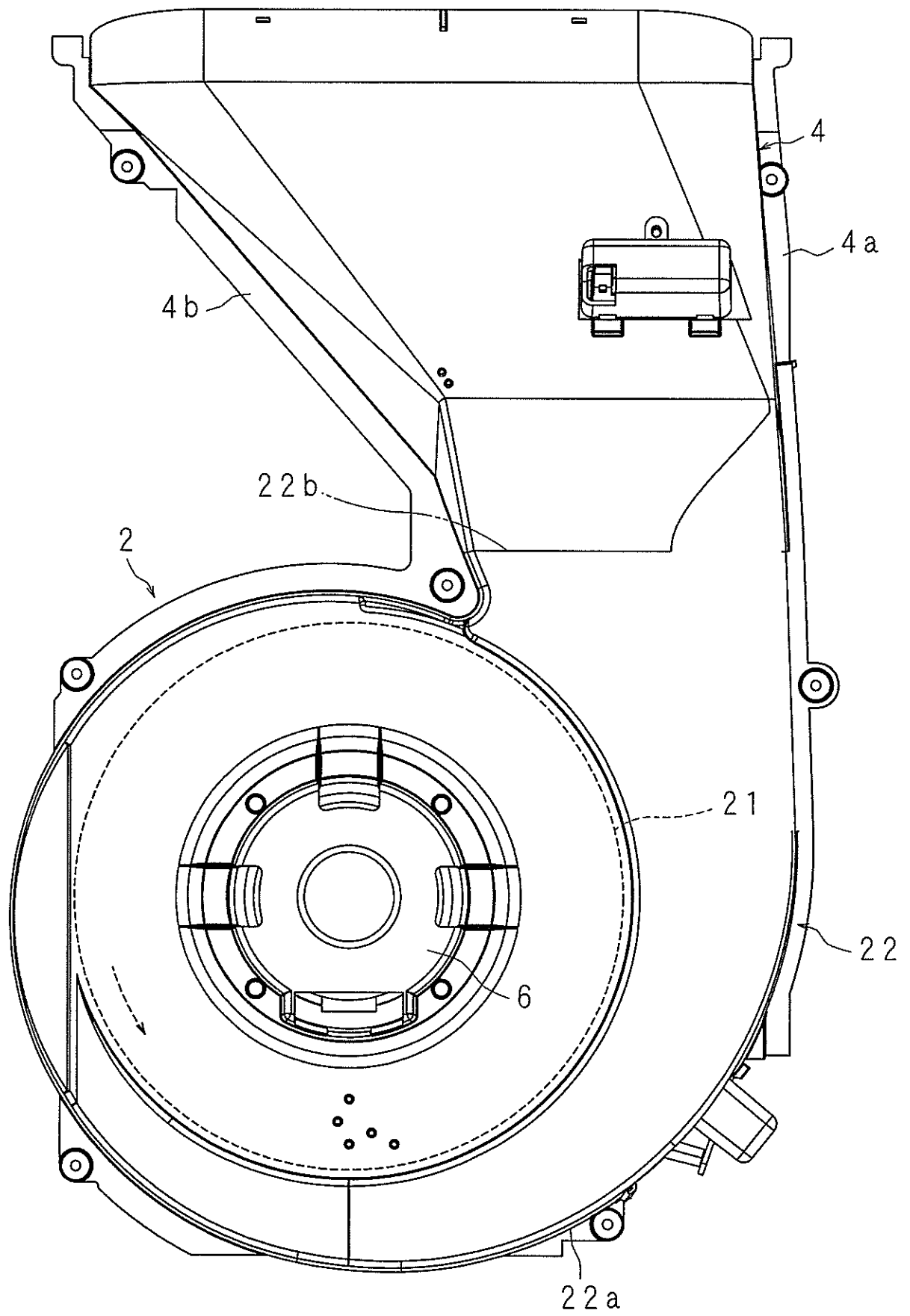


FIG. 8

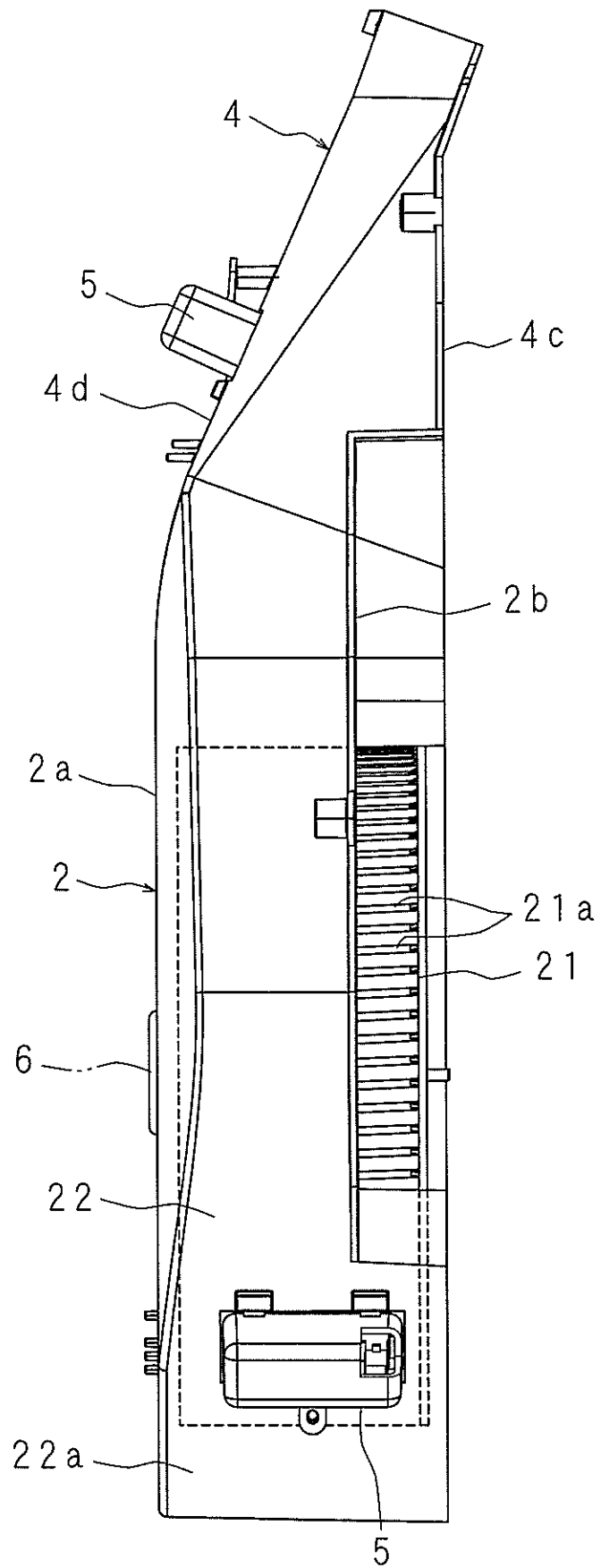


FIG. 9

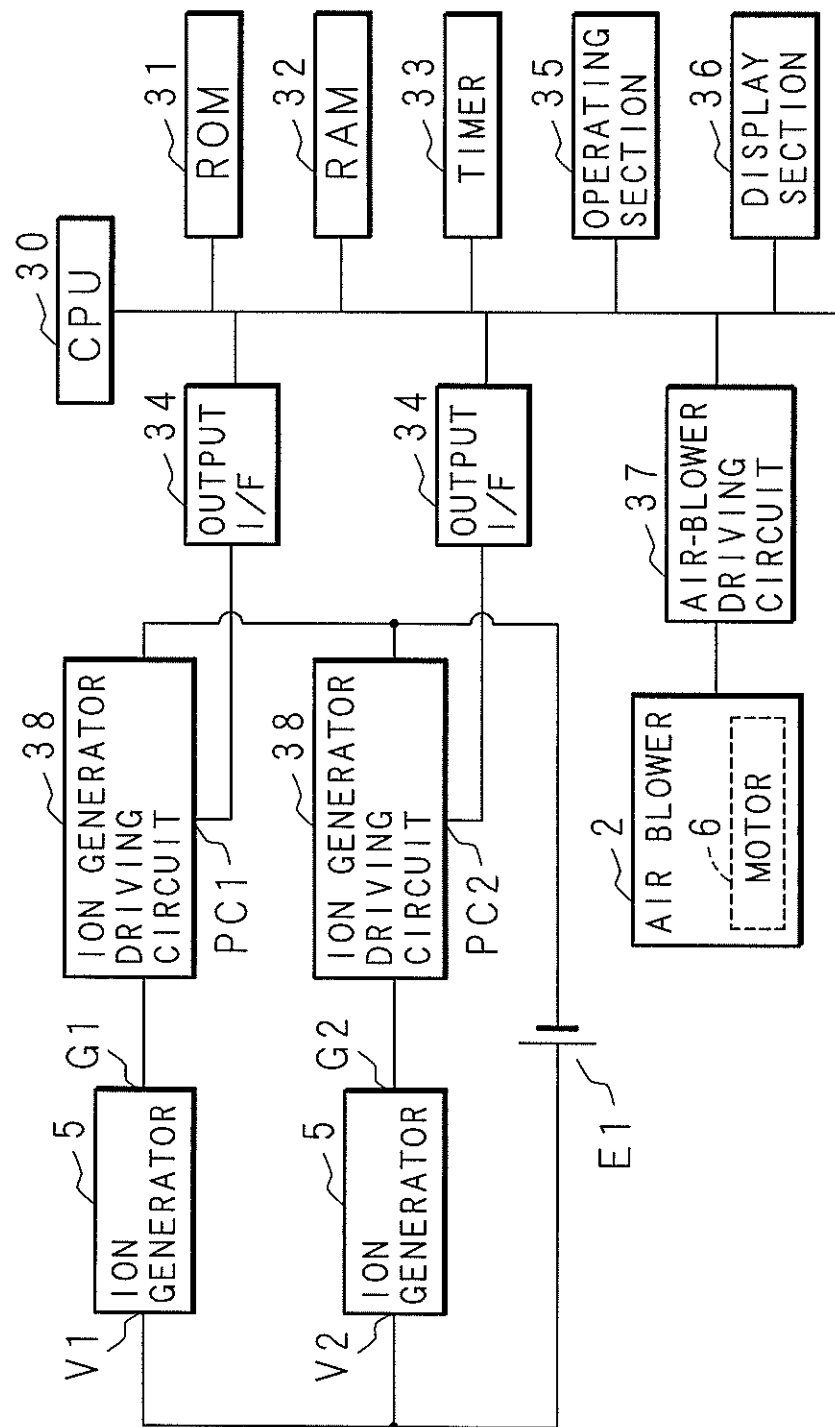


FIG. 10

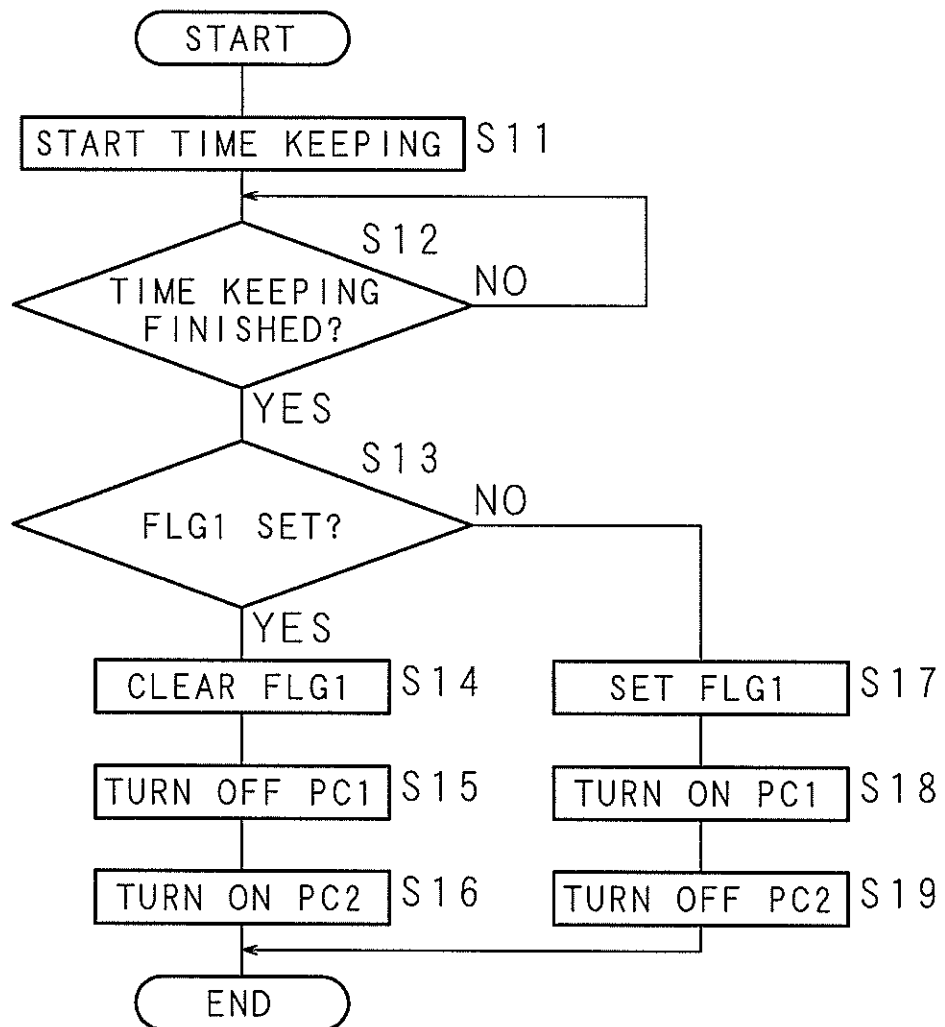


FIG. 11

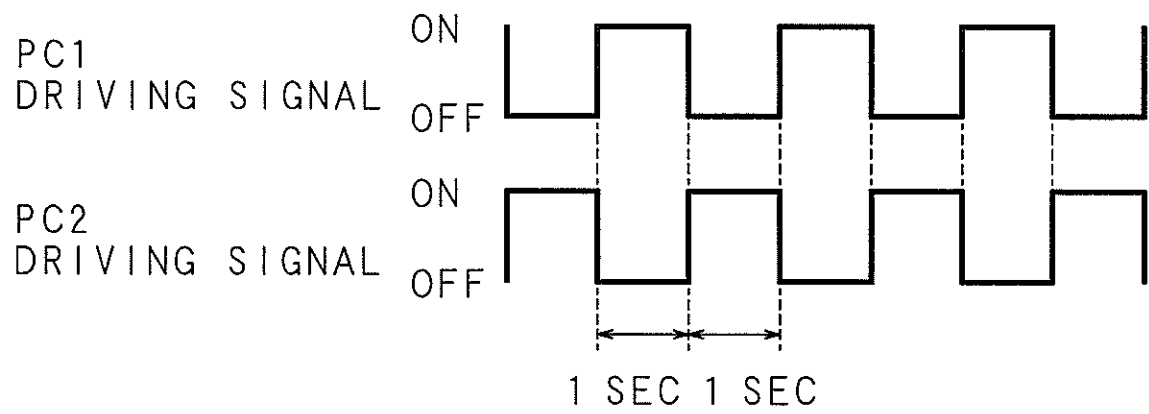


FIG. 12

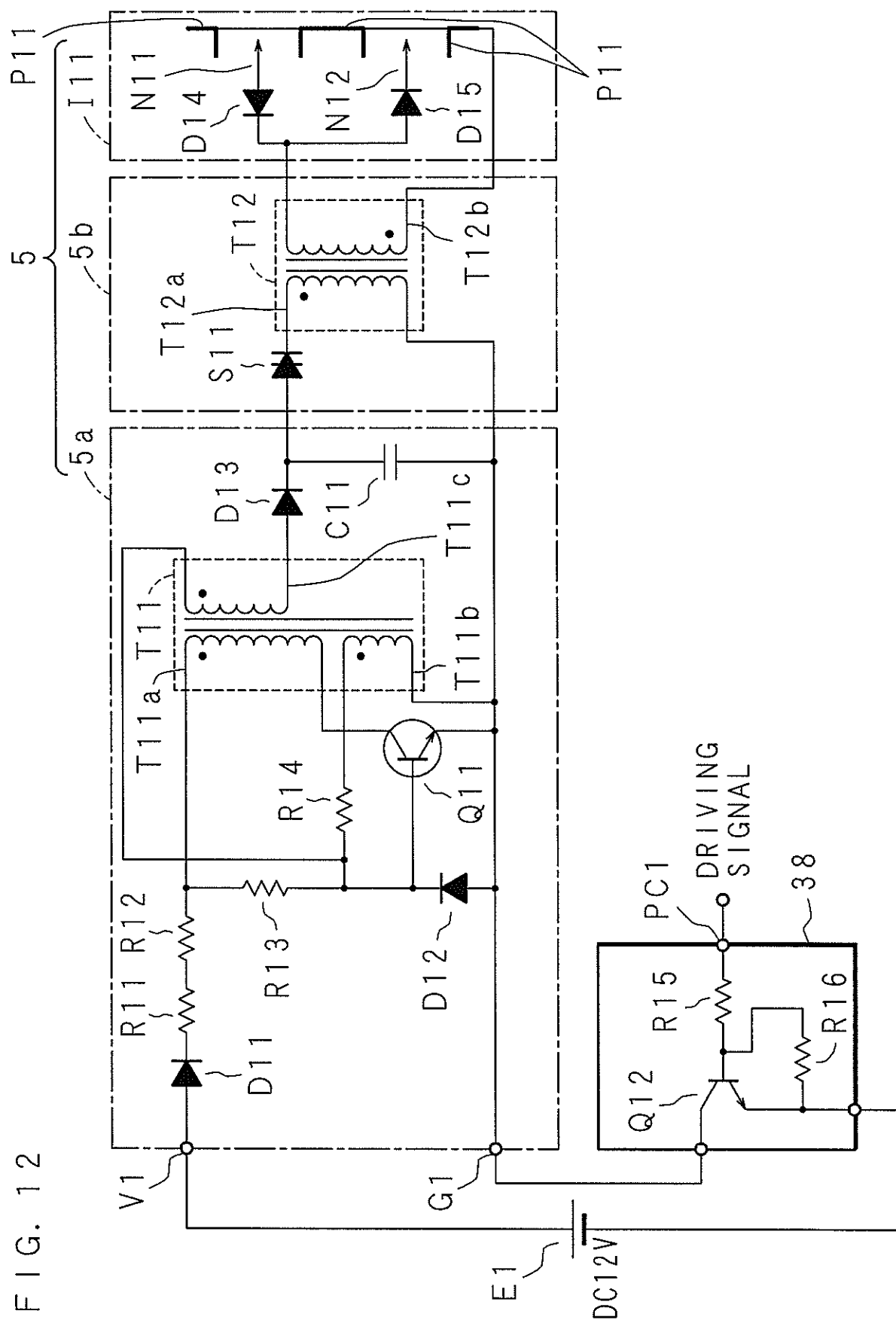


FIG. 13

| NUMBER OF<br>ION<br>GENERATORS | ON/OFF TIME        | POSITIVE ION<br>(NUMBER OF<br>IONS/cm <sup>3</sup> ) | NEGATIVE ION<br>(NUMBER OF<br>IONS/cm <sup>3</sup> ) | ION<br>BALANCE<br>(-/+) | RATIO OF ION CONCENTRATION<br>(VS. "CONSTANTLY ON") (%) |                 |                  |
|--------------------------------|--------------------|------------------------------------------------------|------------------------------------------------------|-------------------------|---------------------------------------------------------|-----------------|------------------|
|                                |                    |                                                      |                                                      |                         | POSITIVE<br>ION                                         | NEGATIVE<br>ION | AVERAGE<br>VALUE |
| 1                              | CONSTANTLY ON      | 14,000                                               | 14,000                                               | 1.00                    | 100.0                                                   | 100.0           | 100.0            |
| 1                              | ON/OFF FOR 0.5 SEC | 12,000                                               | 12,000                                               | 1.00                    | 85.7                                                    | 85.7            | 85.7             |
| 1                              | ON/OFF FOR 1 SEC   | 12,000                                               | 12,000                                               | 1.00                    | 85.7                                                    | 85.7            | 85.7             |
| 1                              | ON/OFF FOR 2 SEC   | 11,000                                               | 11,000                                               | 1.00                    | 78.6                                                    | 78.6            | 78.6             |
| 1                              | ON/OFF FOR 5 SEC   | 10,000                                               | 11,000                                               | 1.10                    | 71.4                                                    | 78.6            | 75.0             |

FIG. 14

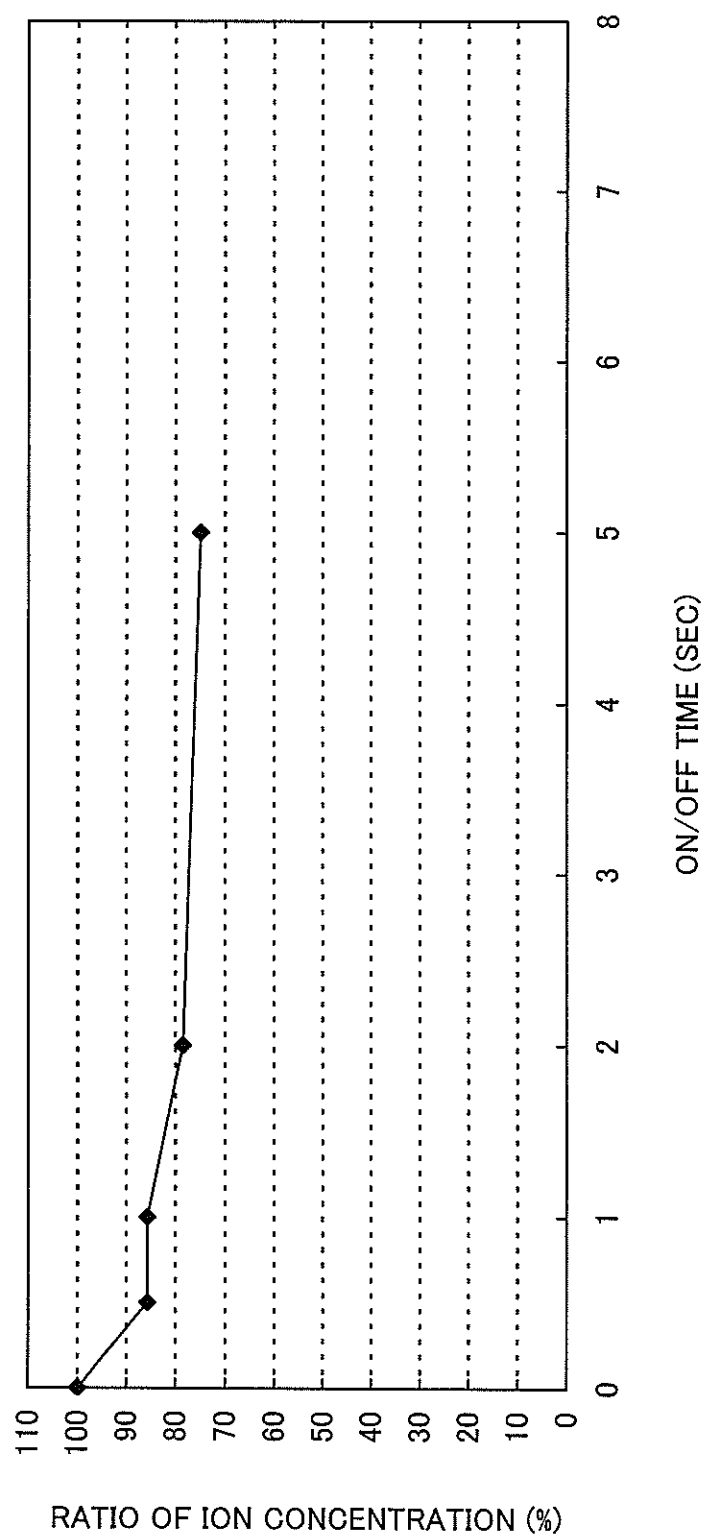


FIG. 15

| NUMBER OF<br>ION<br>GENERATORS | ON/OFF TIME        | POSITIVE ION<br>(NUMBER OF<br>IONS/cm <sup>3</sup> ) | NEGATIVE ION<br>(NUMBER OF<br>IONS/cm <sup>3</sup> ) | ION<br>BALANCE<br>(-/+) | RATIO OF ION CONCENTRATION<br>(VS. "2 GENERATORS CONSTANTLY ON") (%) |                 |                  |
|--------------------------------|--------------------|------------------------------------------------------|------------------------------------------------------|-------------------------|----------------------------------------------------------------------|-----------------|------------------|
|                                |                    |                                                      |                                                      |                         | POSITIVE<br>ION                                                      | NEGATIVE<br>ION | AVERAGE<br>VALUE |
| 1                              | CONSTANTLY ON      | 24,129                                               | 23,781                                               | 0.99                    | 90.3                                                                 | 88.4            | 89.4             |
| 2                              | CONSTANTLY ON      | 26,711                                               | 26,911                                               | 1.01                    | 100.0                                                                | 100.0           | 100.0            |
| 2                              | ON/OFF FOR 0.5 SEC | 24,188                                               | 24,735                                               | 1.02                    | 90.6                                                                 | 91.9            | 91.2             |
| 2                              | ON/OFF FOR 1 SEC   | 24,876                                               | 24,537                                               | 0.99                    | 93.1                                                                 | 91.2            | 92.2             |
| 2                              | ON/OFF FOR 2 SEC   | 24,607                                               | 23,907                                               | 0.97                    | 92.1                                                                 | 88.8            | 90.5             |
| 2                              | ON/OFF FOR 5 SEC   | 25,022                                               | 23,939                                               | 0.96                    | 93.7                                                                 | 89.0            | 91.3             |

FIG. 16

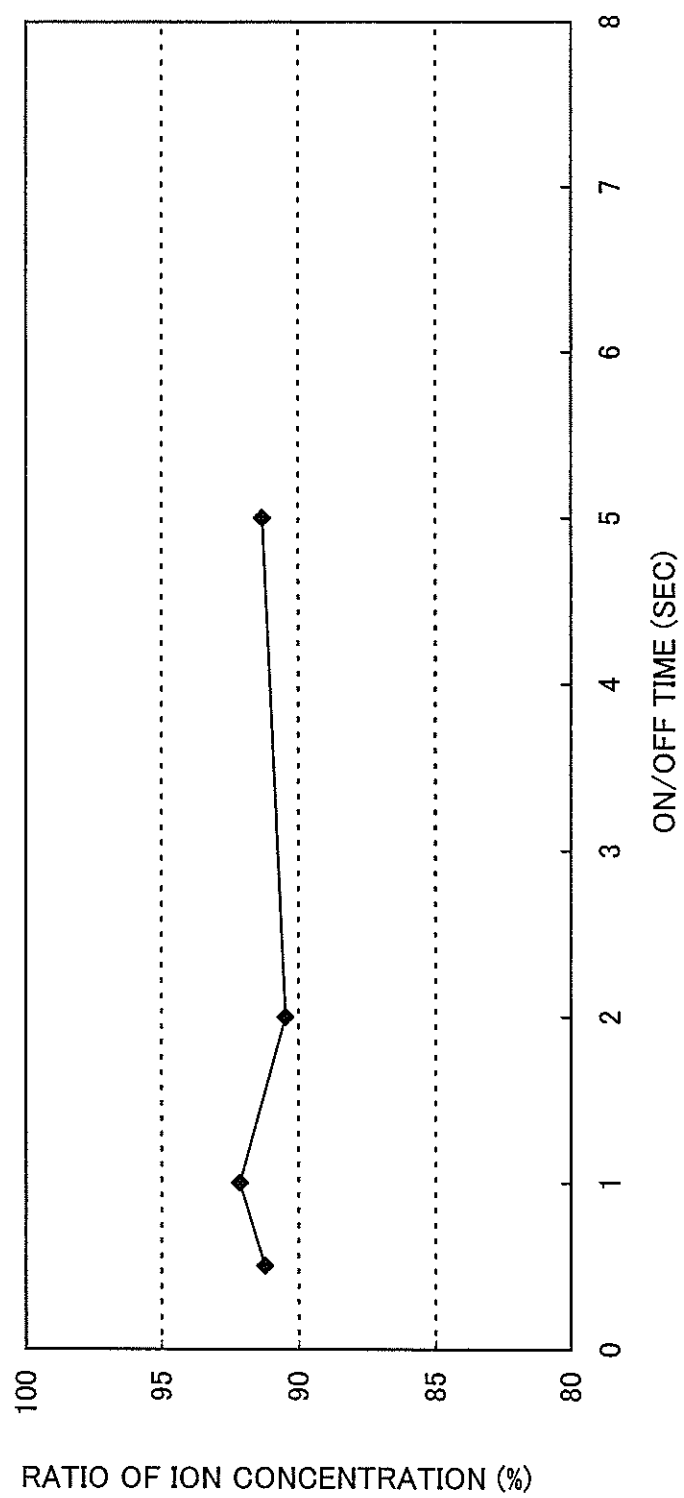


FIG. 17

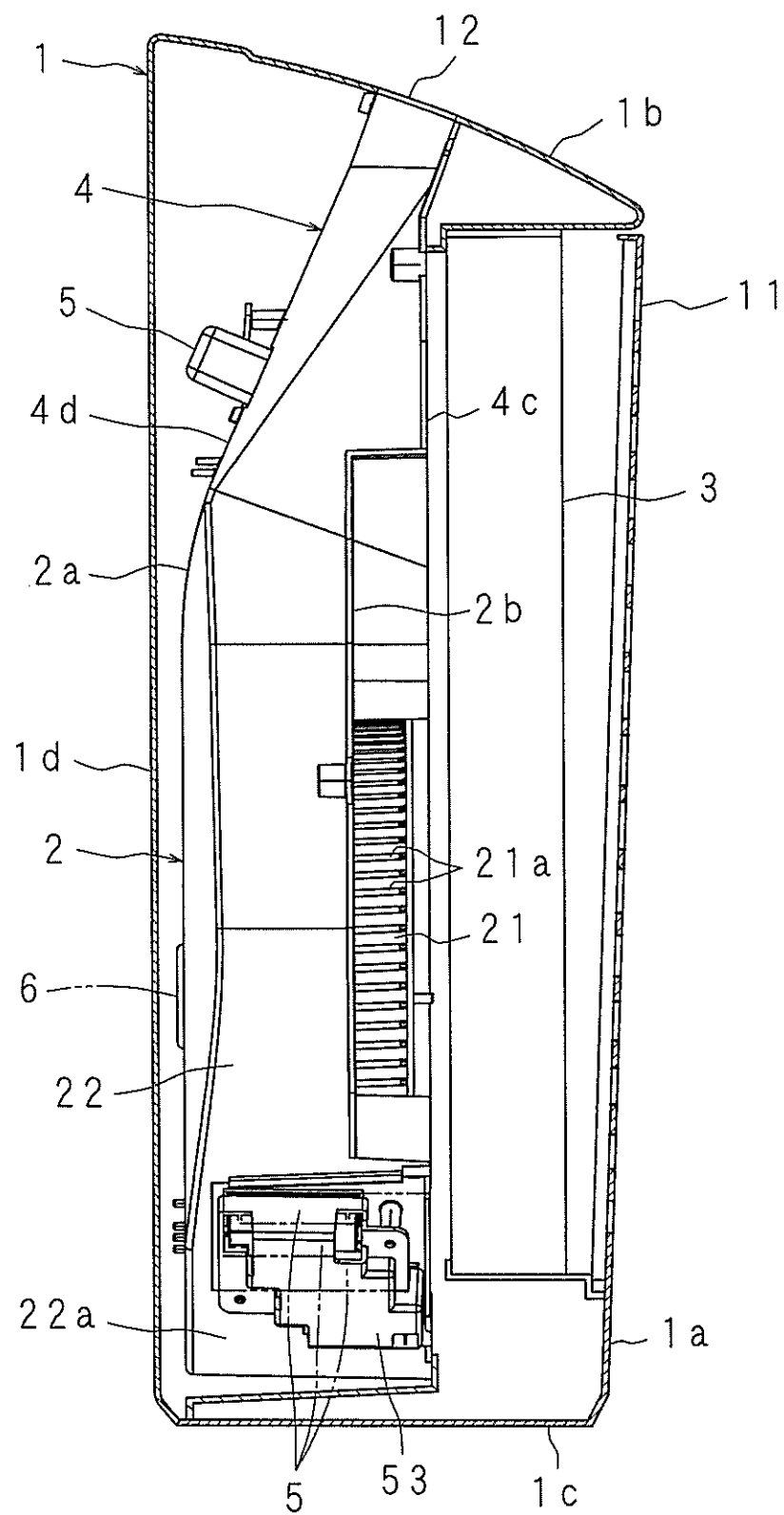


FIG. 18

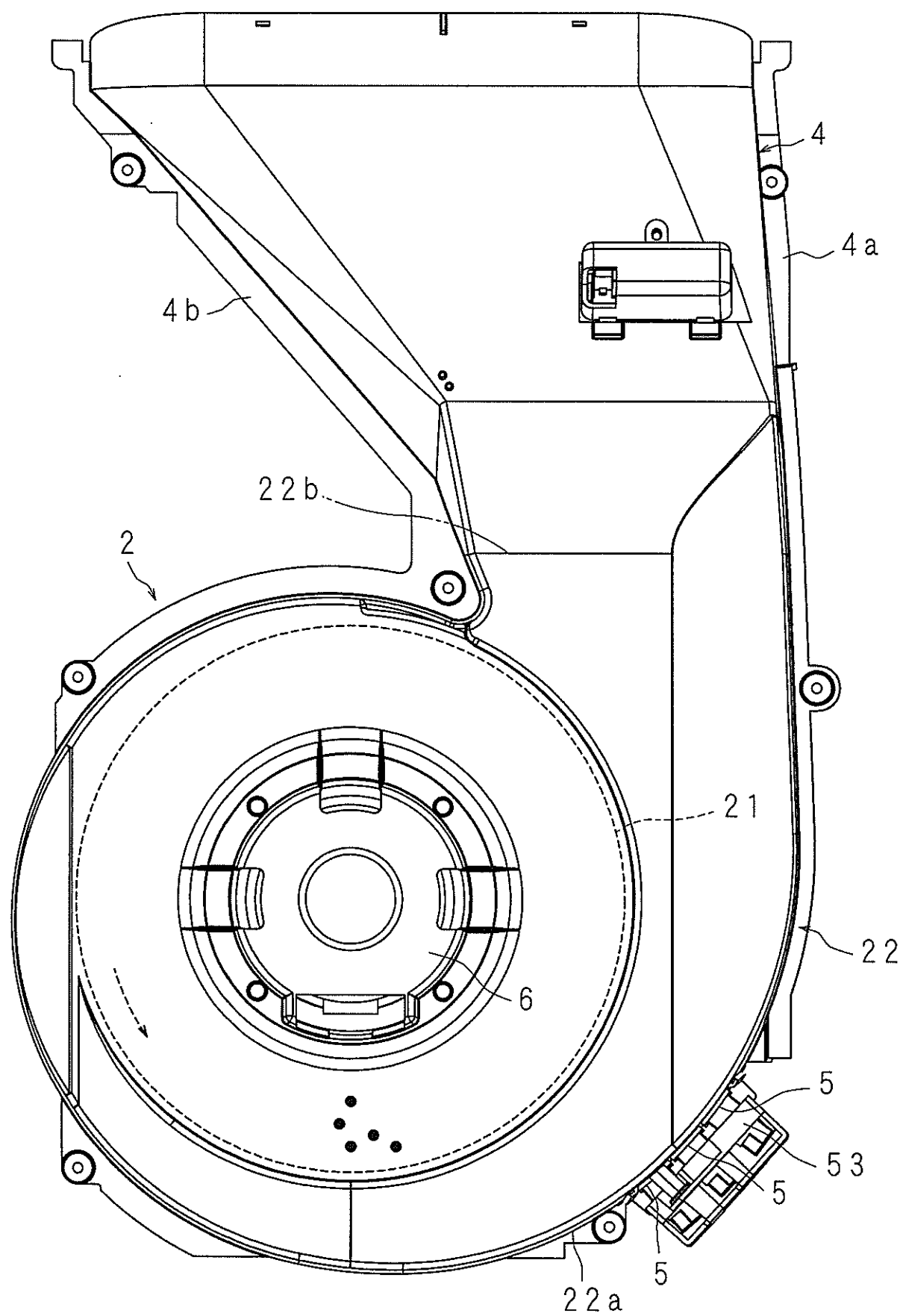


FIG. 19

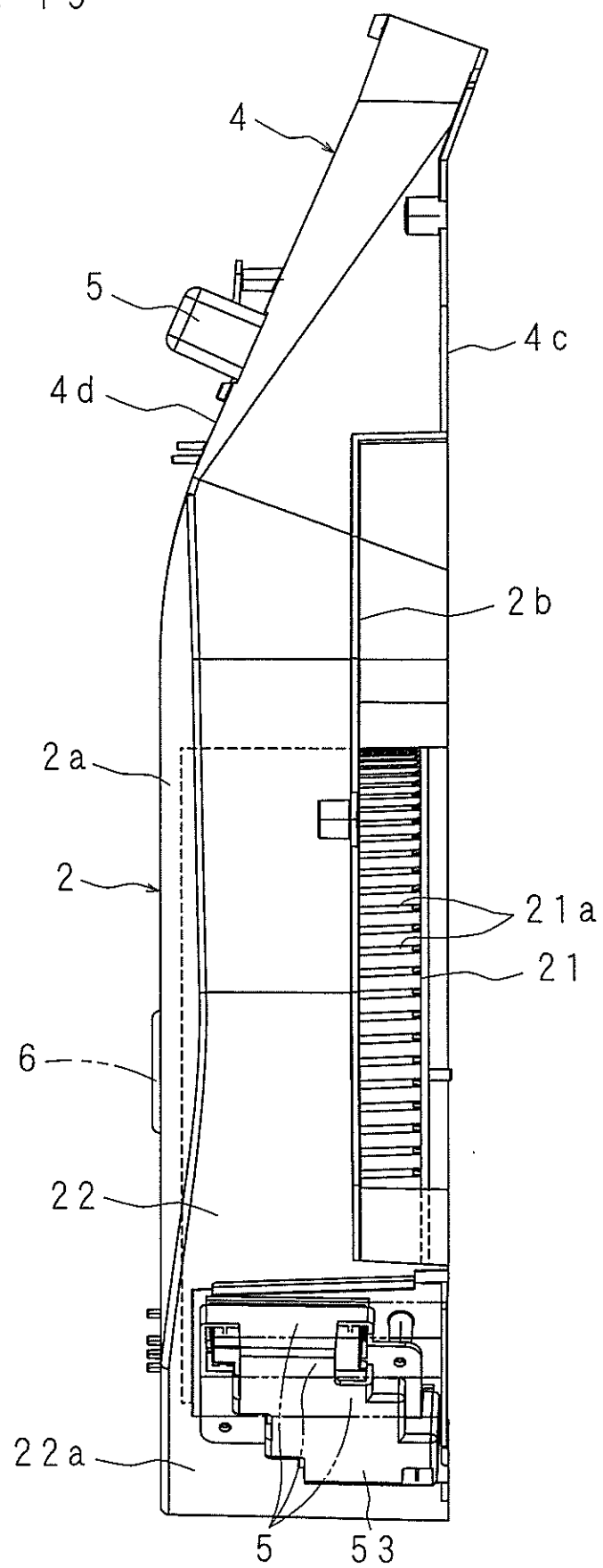


FIG. 20

