FIG. 1

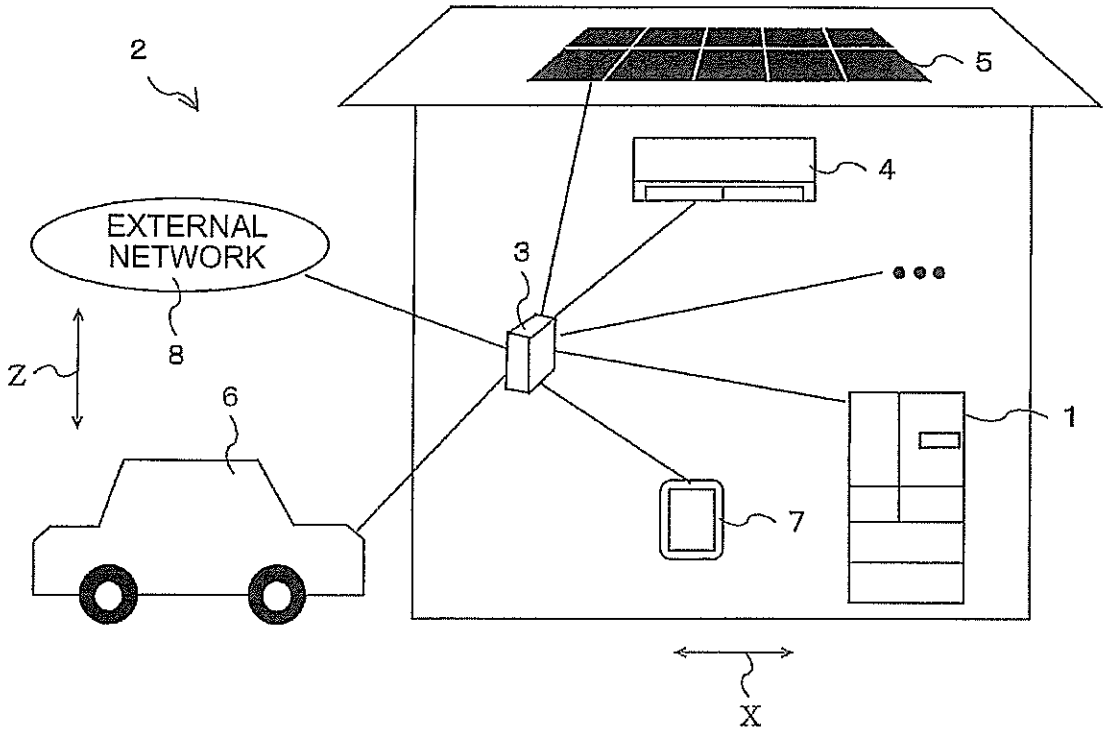

2
5
4
EXTERNAL NETWORK
8
3
Z
6
1
7
X

FIG. 2

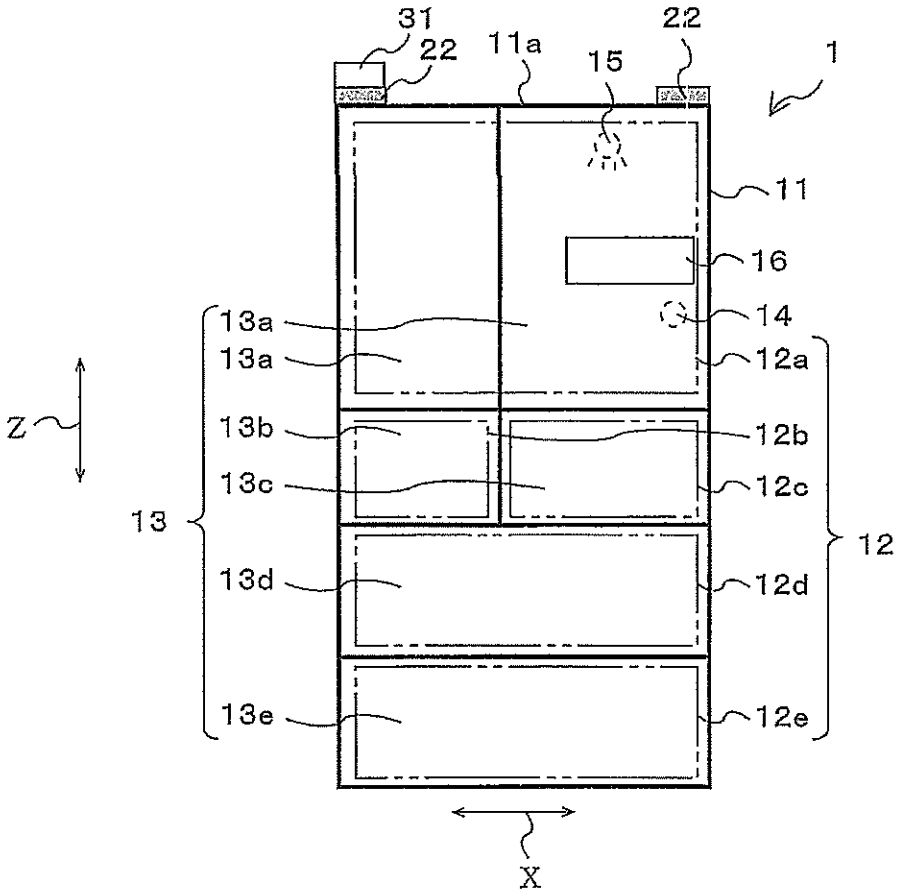

31
22
11a
15
22
1
11
16
14
13a
13a
12a
Z
13b
12b
13c
12c
13
12
13d
12d
13e
12e
X

FIG. 3

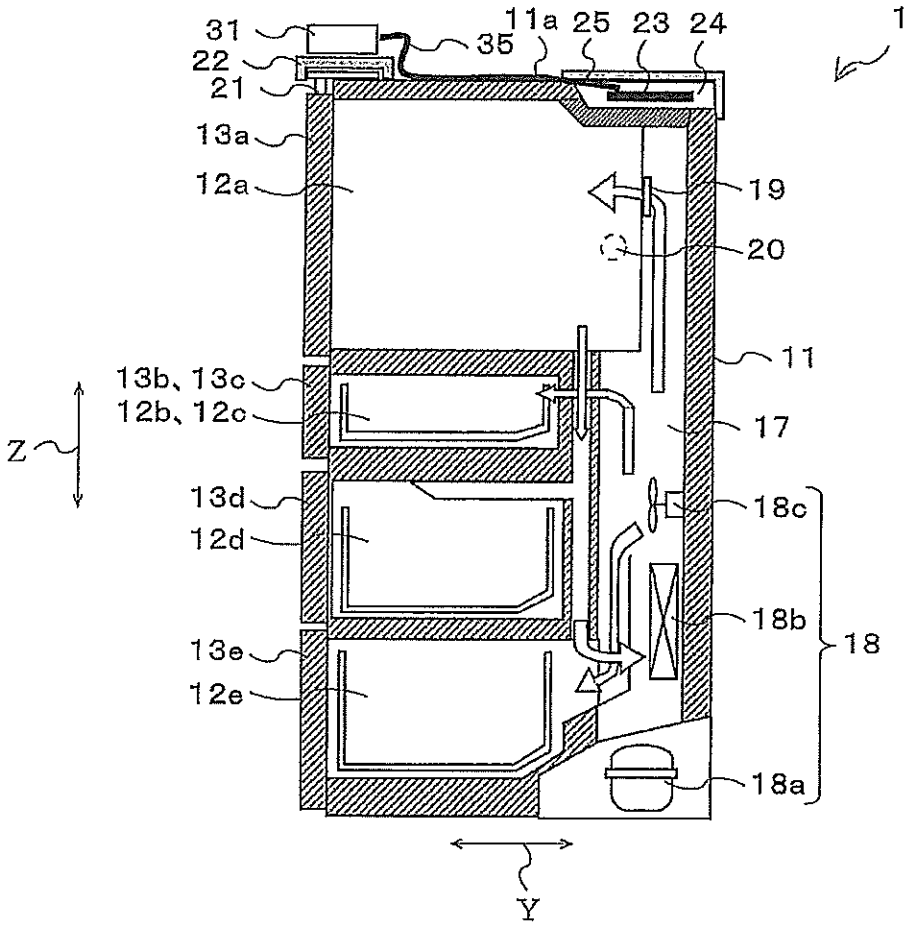

31
22
21
35
11a
25
23
24
1
13a
12a
19
20
11
13b、13c
12b、12c
17
Z
13d
12d
18c
18b
18
13e
12e
18a
Y

FIG. 4

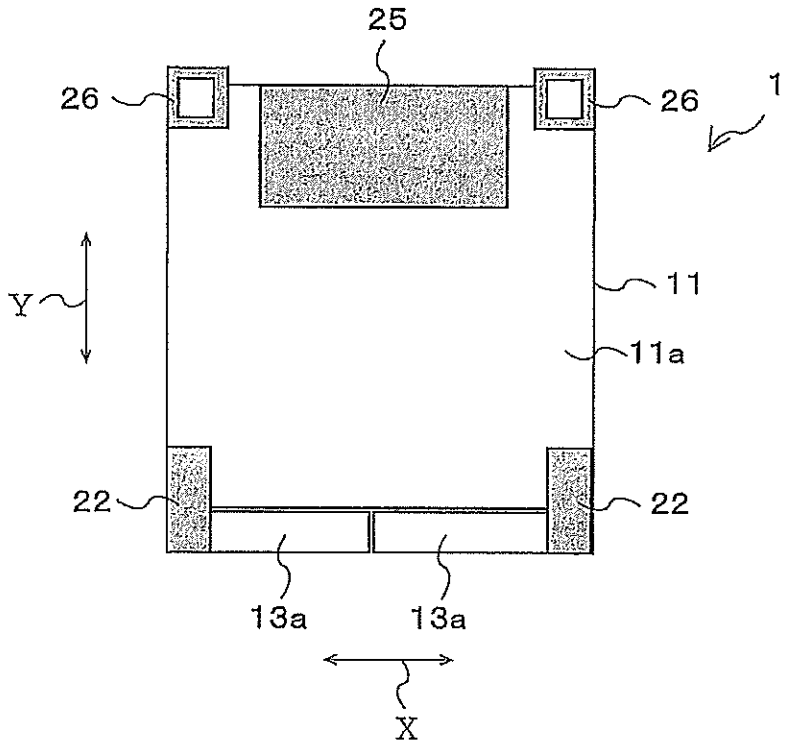

25
26
26
1
Y
11
11a
22
22
13a
13a
X

FIG. 5

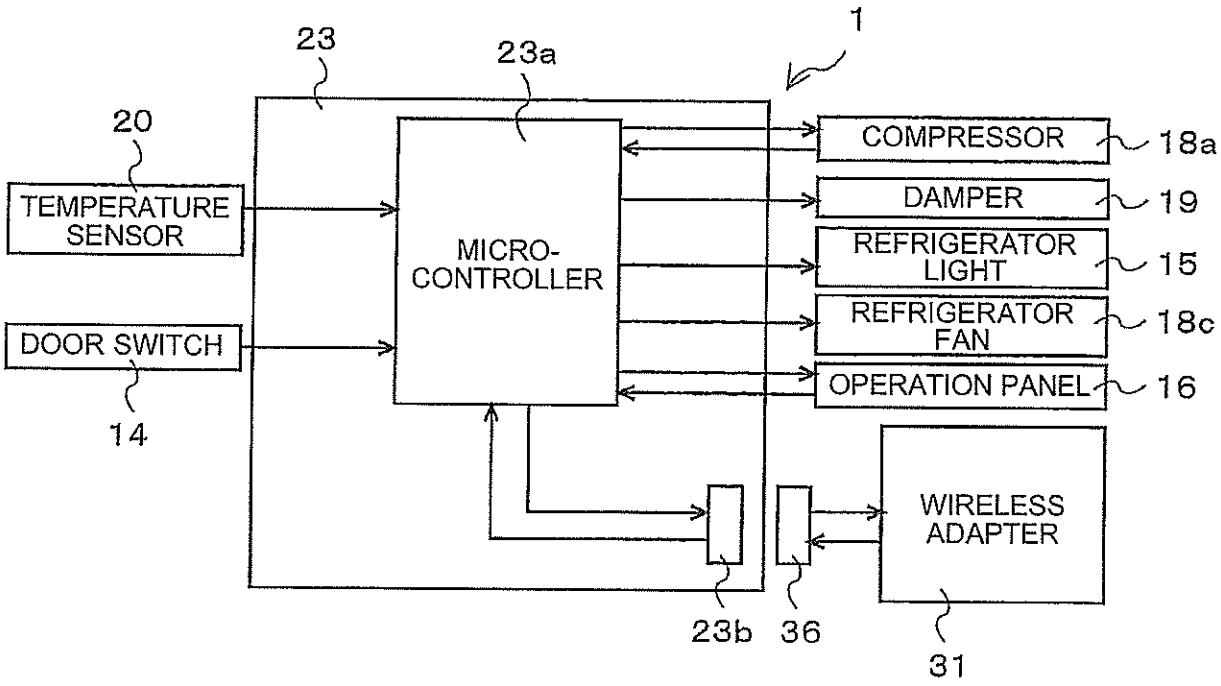

1
23
23a
20
TEMPERATURE SENSOR
DOOR SWITCH
14
MICRO-CONTROLLER
COMPRESSOR
18a
DAMPER
19
REFRIGERATOR LIGHT
15
REFRIGERATOR FAN
18c
OPERATION PANEL
16
WIRELESS ADAPTER
23b
36
31

FIG. 6

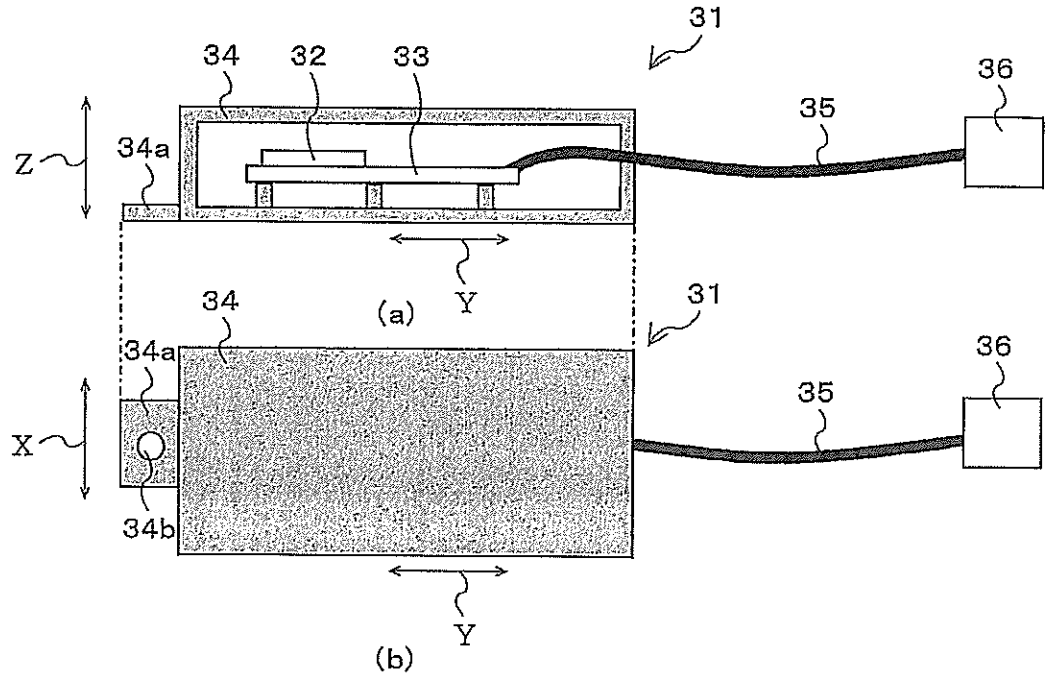

31
34
32
33
36
35
Z
34a
Y
(a)
34
31
34a
36
35
X
34b
Y
(b)

FIG. 7

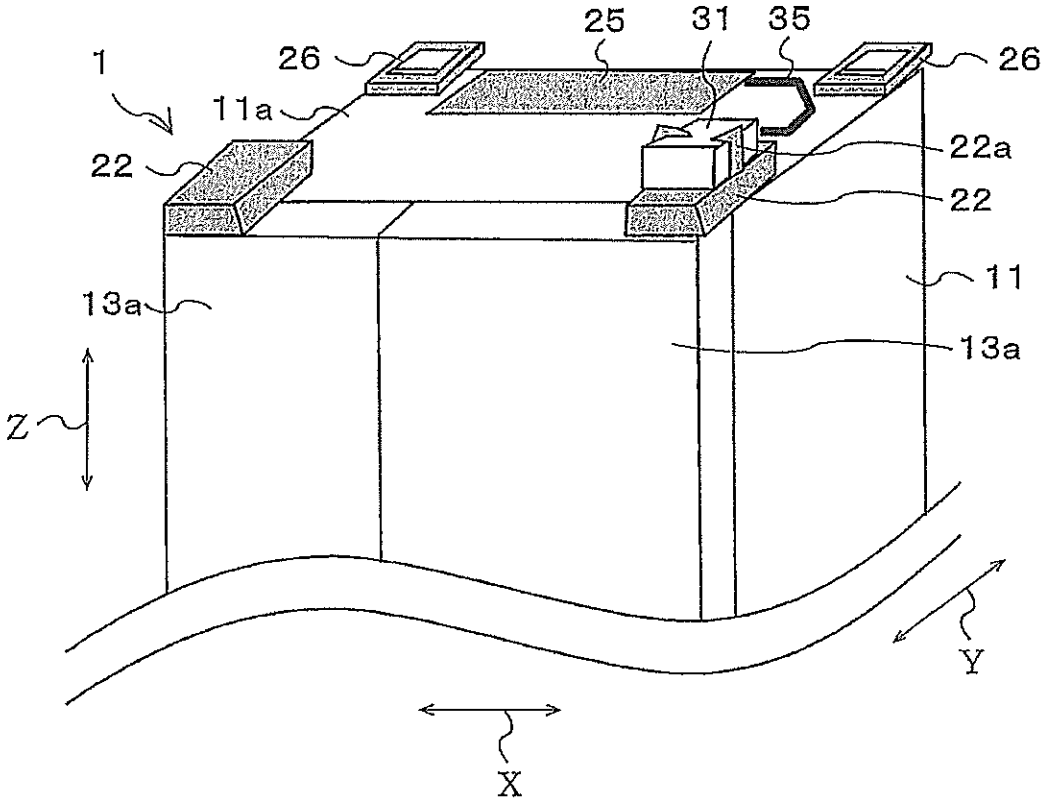
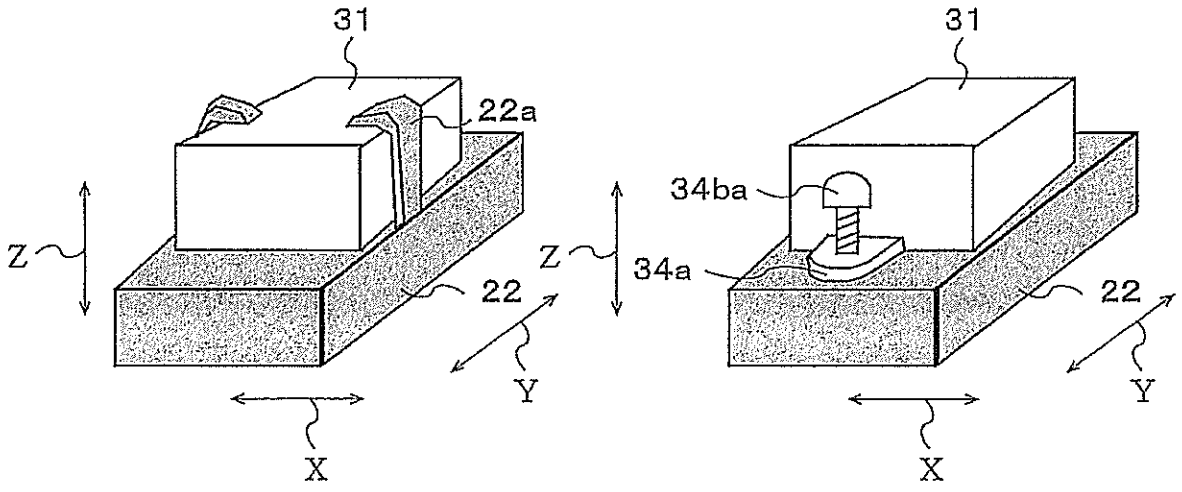

1
26
25
31
35
26
11a
22
22a
22
11
13a
13a
Z
Y
X

FIG. 8


31
22a
Z
22
Y
X
31
34ba
Z
34a
22
Y
X

(a) (b)

FIG. 9

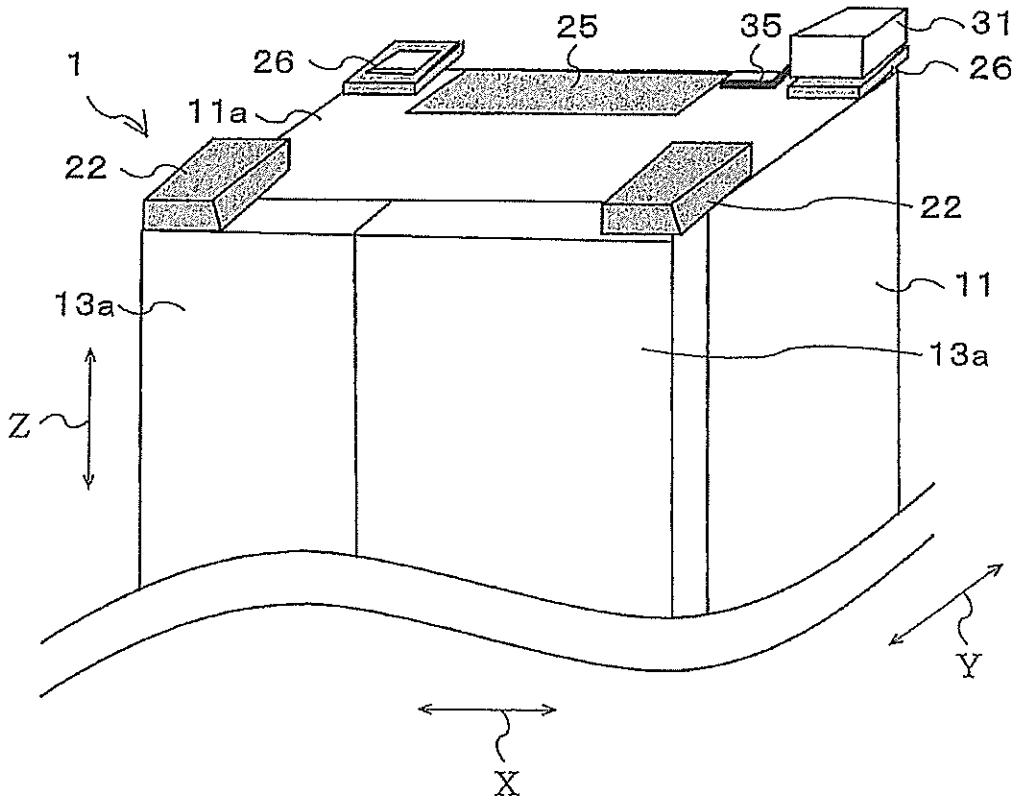


FIG. 10

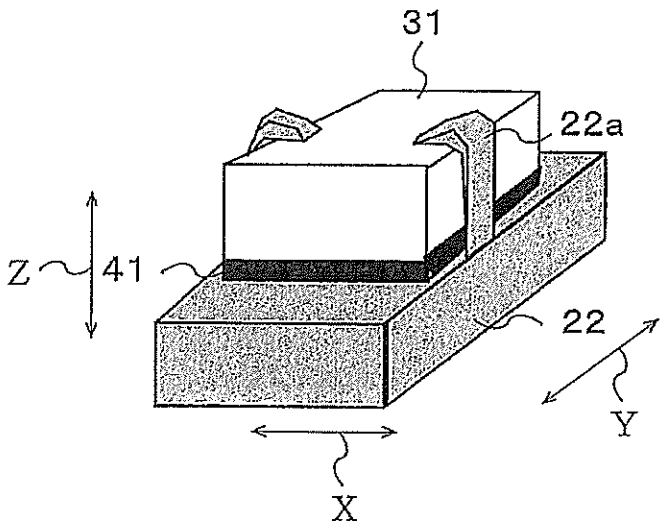


FIG. 11

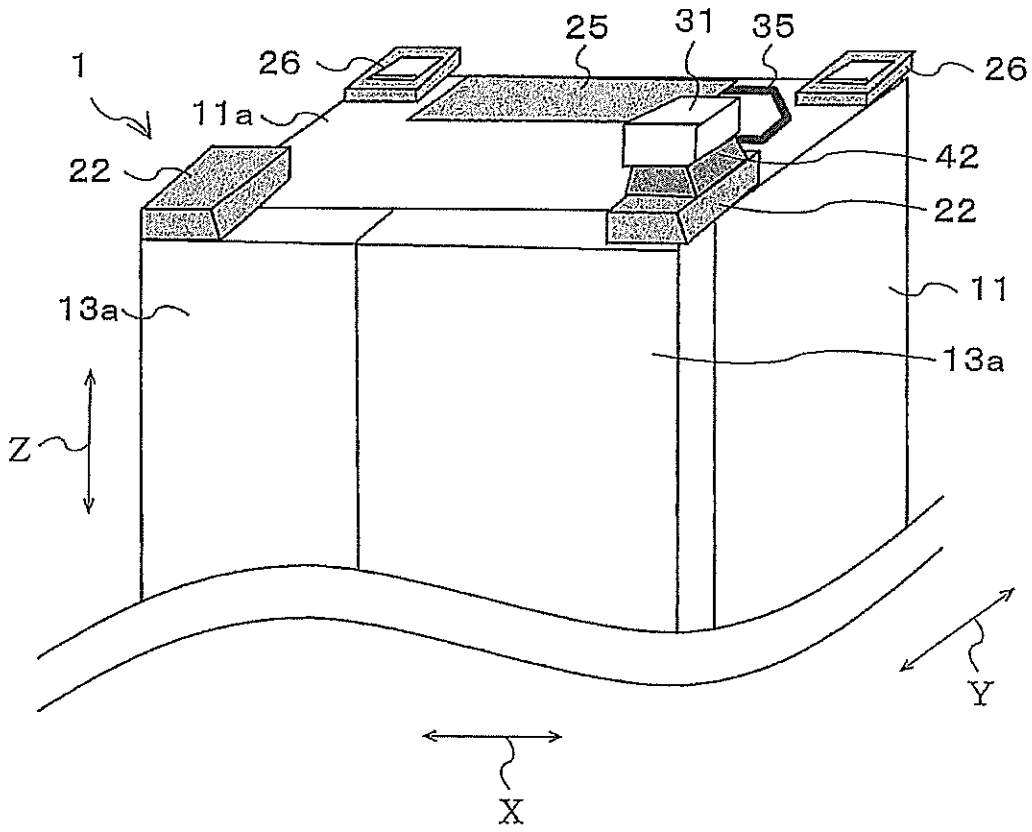

1
26
25
31
35
26
11a
42
22
22
11
13a
13a
Z
Y
X

FIG. 12

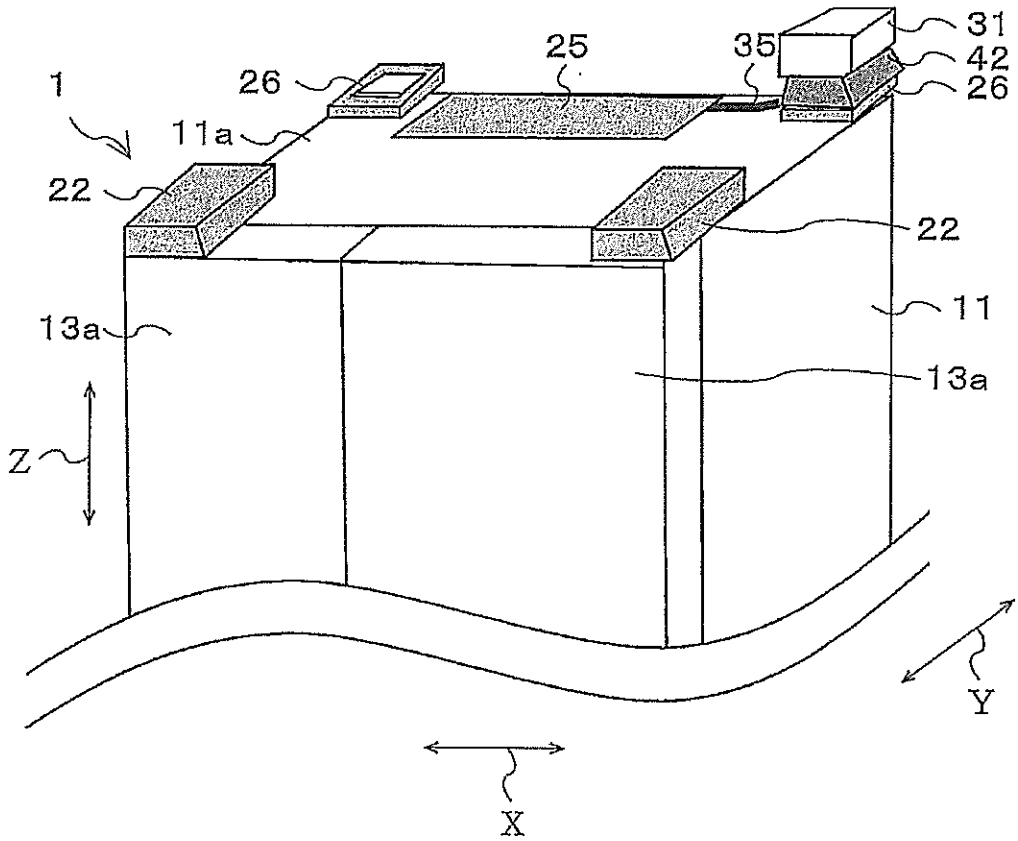

31
25
35
42
1
26
26
11a
22
22
11
13a
13a
Z
Y
X

FIG. 13

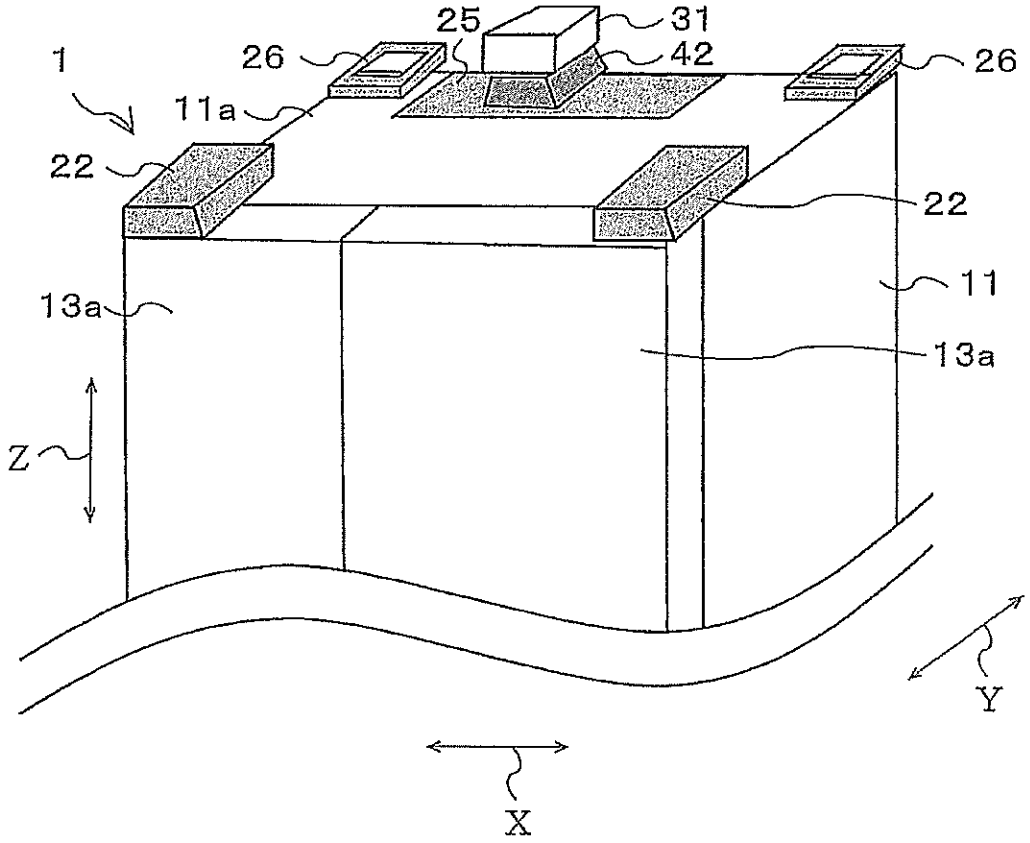


FIG. 14

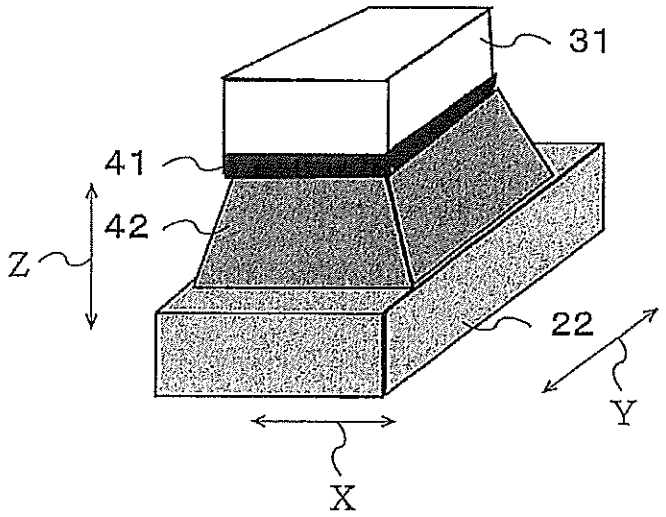


FIG. 15

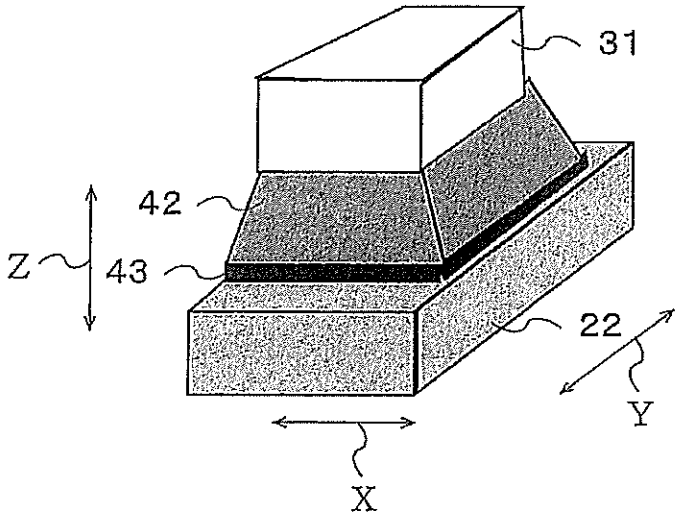


FIG. 16

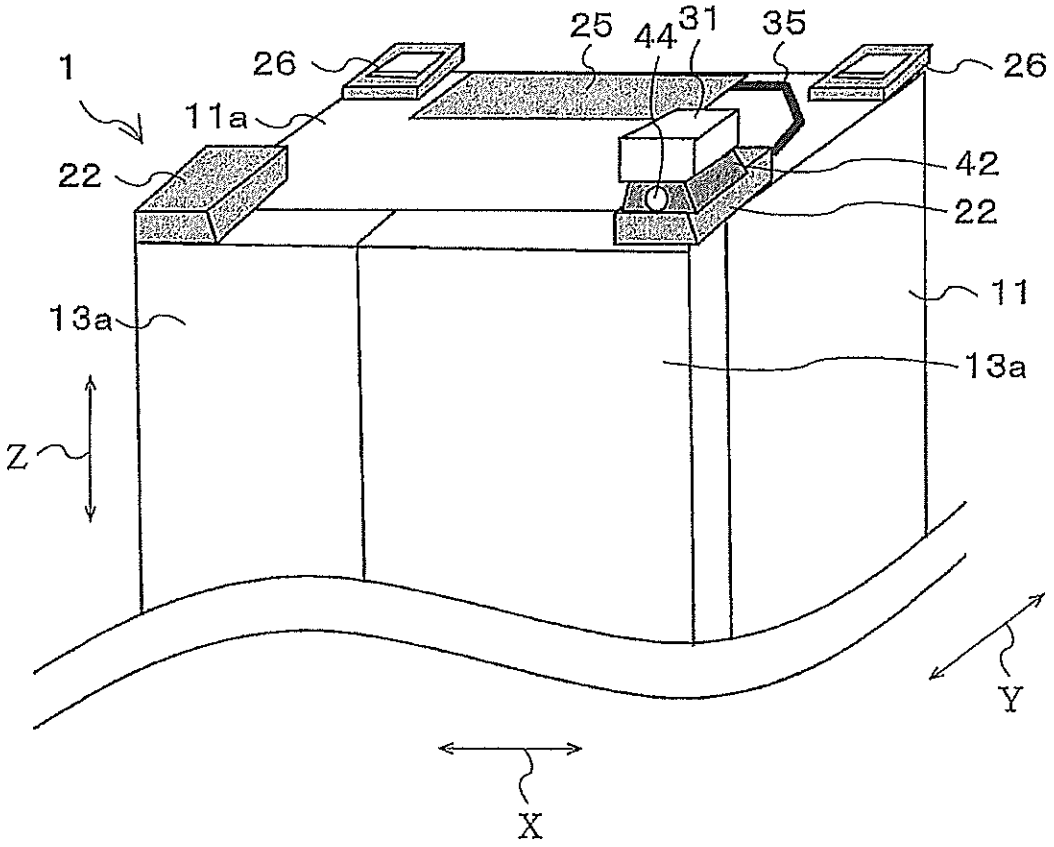


FIG. 17

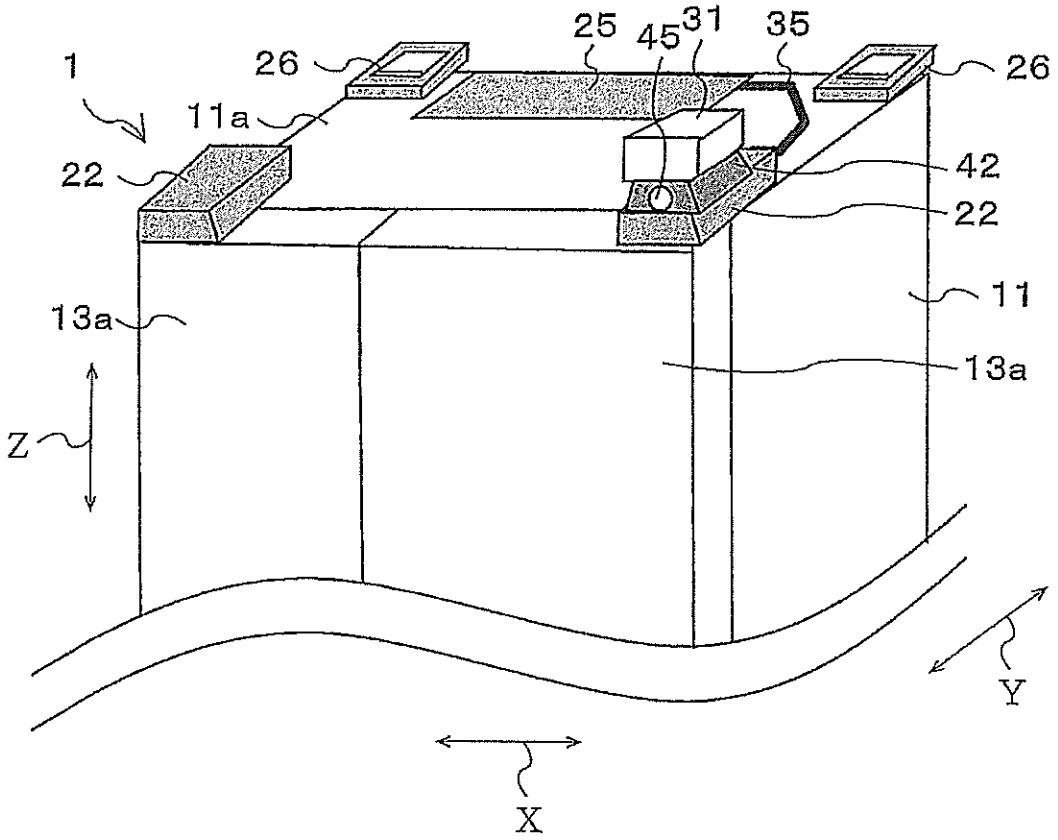
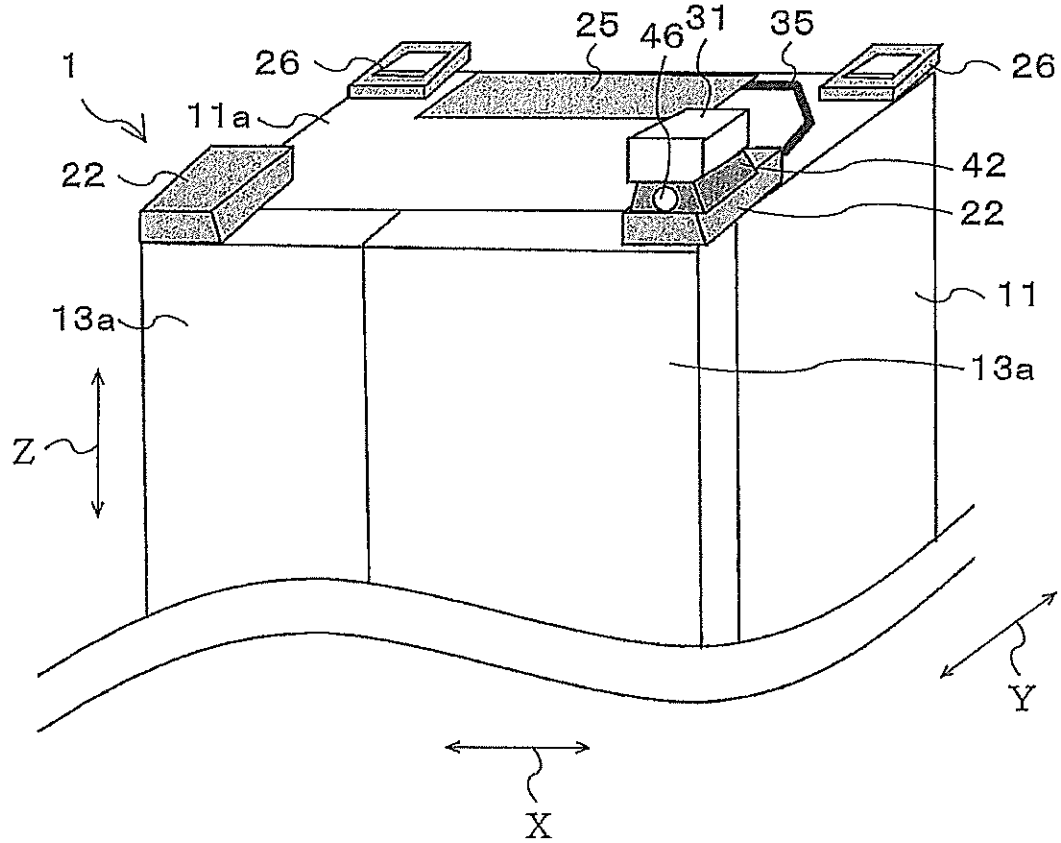

1
26
25
45
31
35
26
11a
22
42
22
11
13a
13a
Z
Y
X

FIG. 18


1
26
25
46
31
35
26
11a
22
42
22
11
13a
13a
Z
Y
X