FIG.1

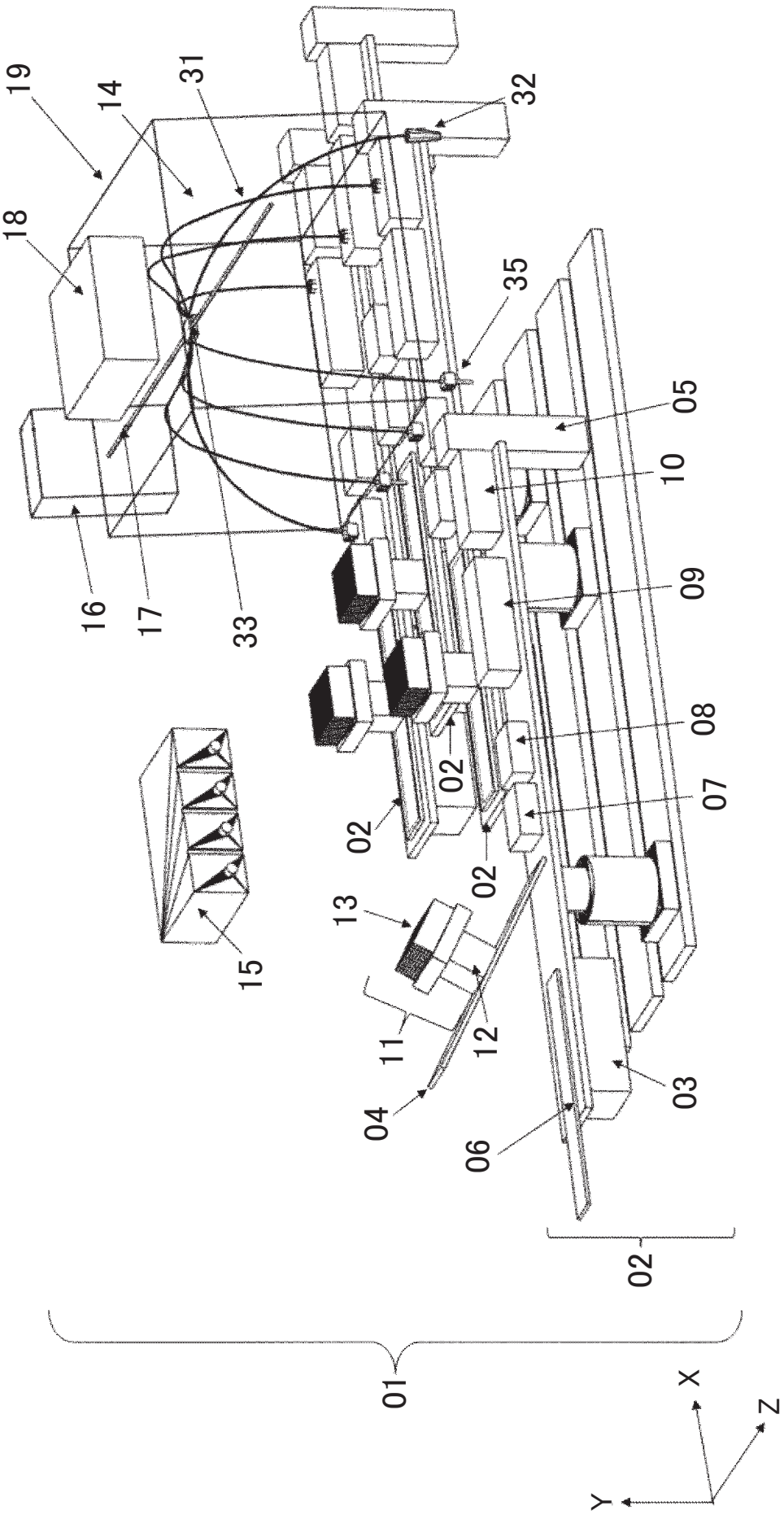

19
14
31
32
18
35
05
10
09
08
07
16
17
33
02
02
02
13
15
11
12
04
06
03
02
01
X
Z
Y

FIG.2A

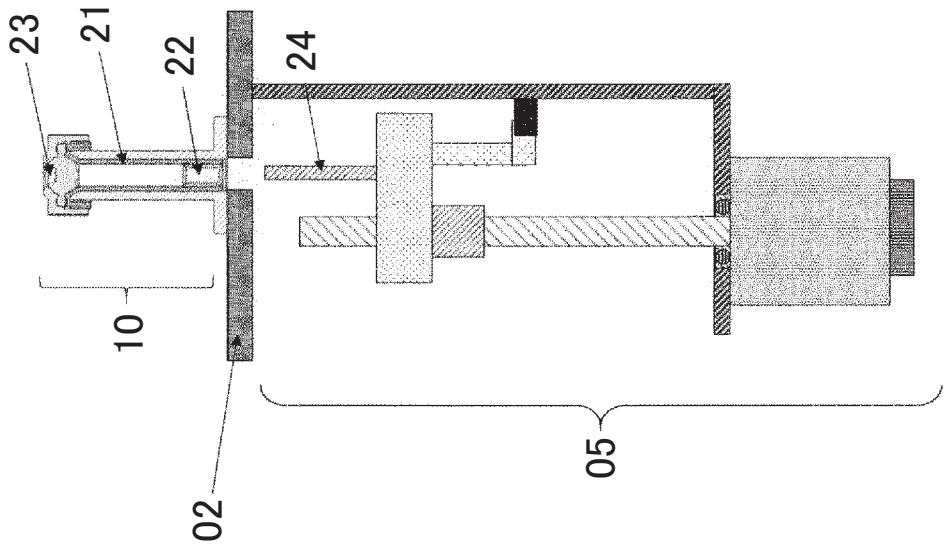


FIG.2B

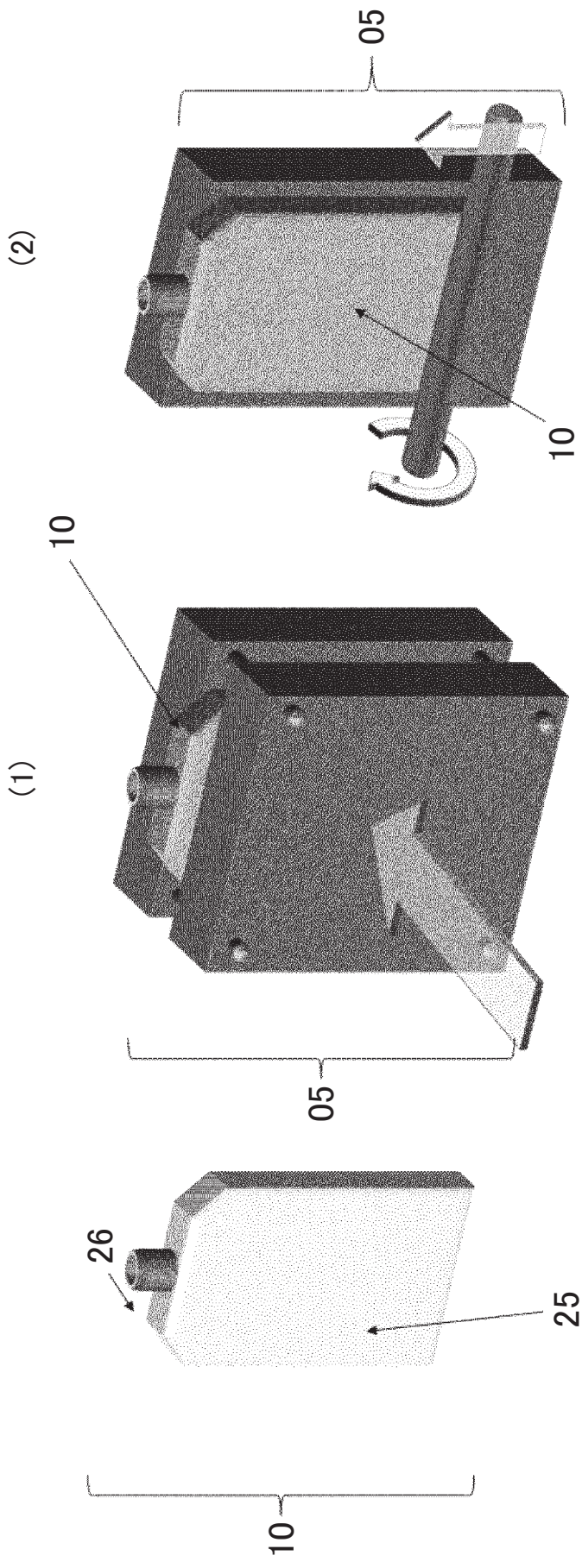


FIG.3A

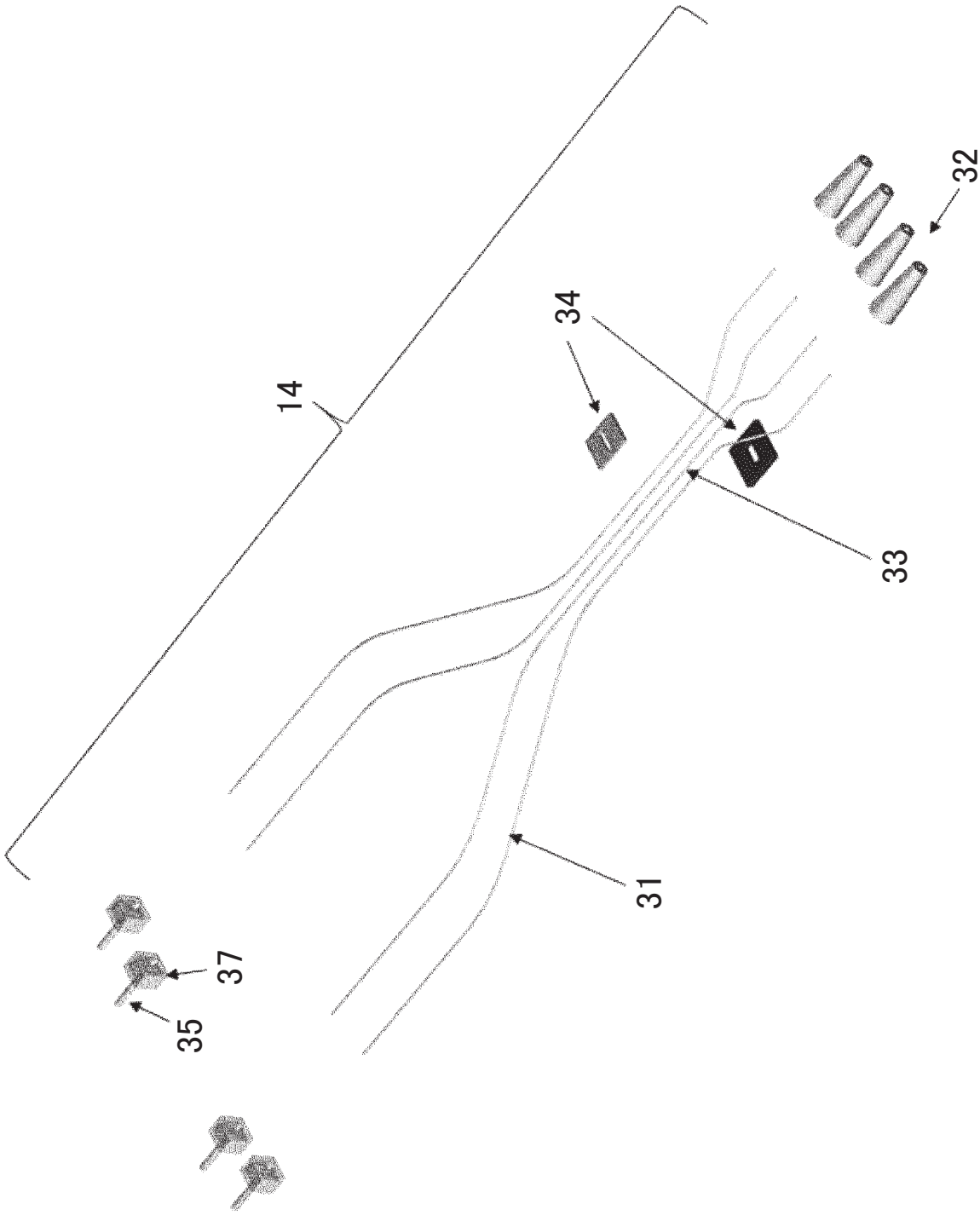


FIG.3B

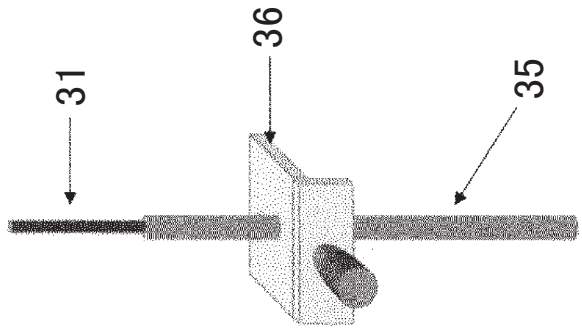


FIG.4

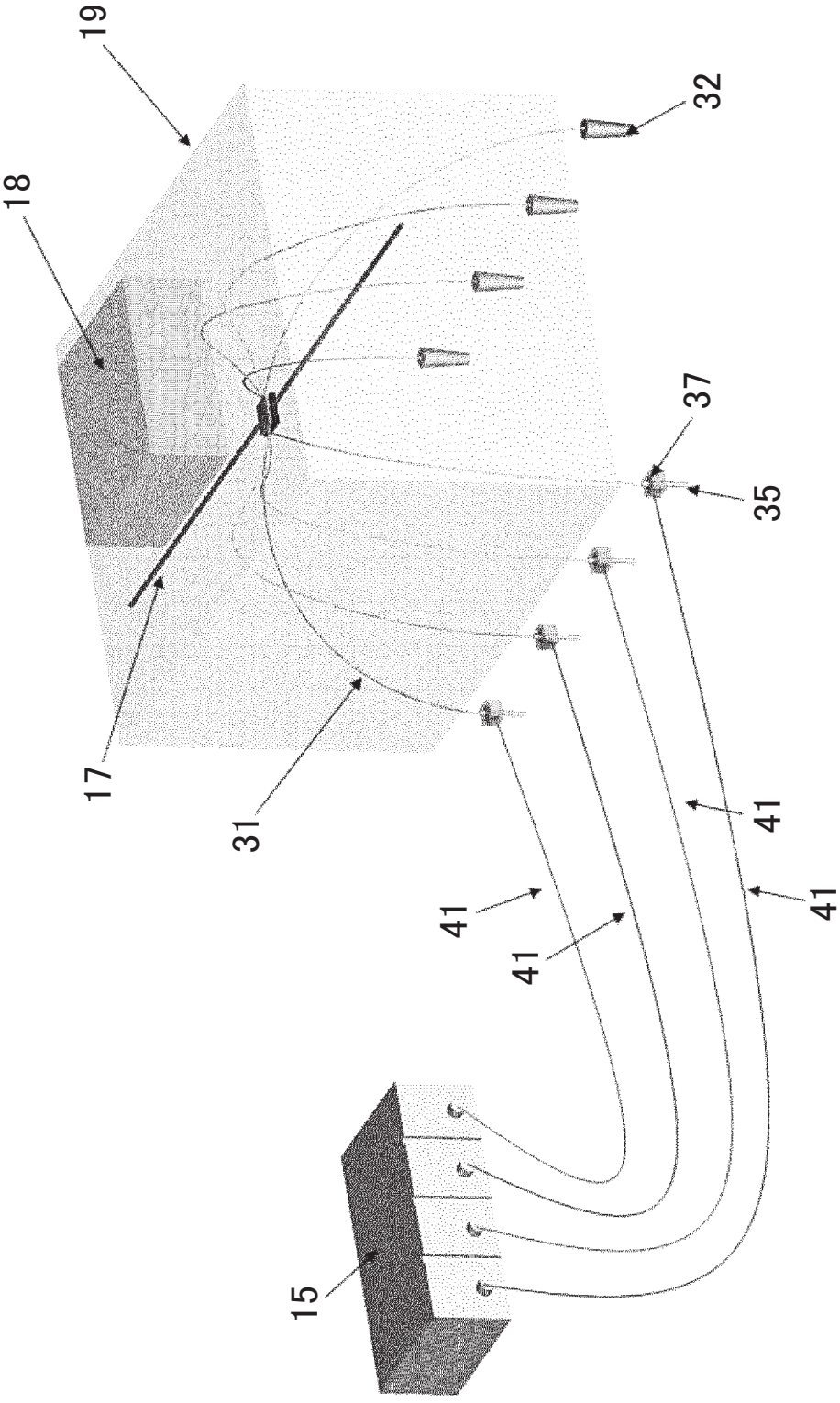


FIG.5

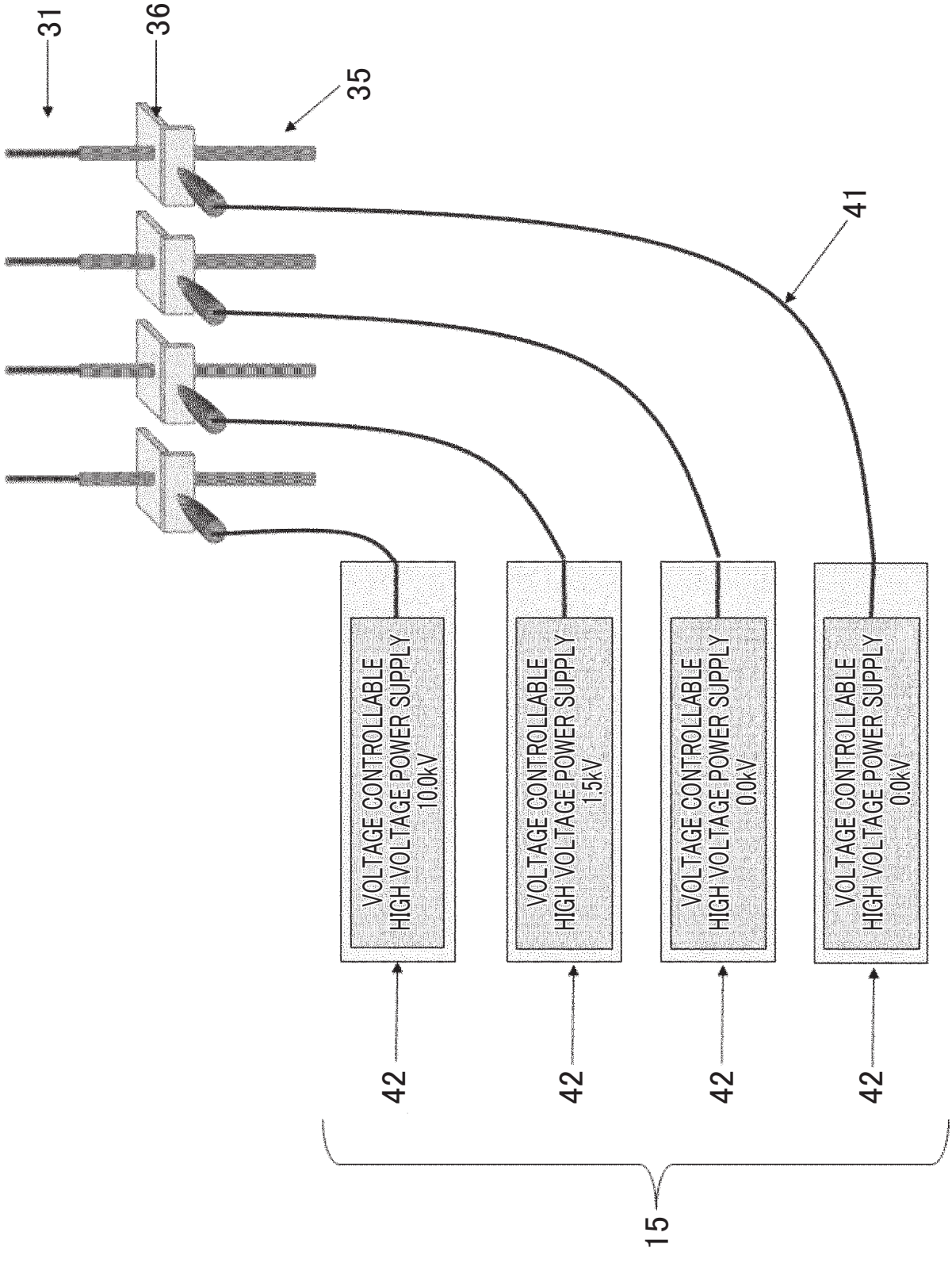

31
36
35
41
VOLTAGE CONTROLLABLE HIGH VOLTAGE POWER SUPPLY 10.0kV
VOLTAGE CONTROLLABLE HIGH VOLTAGE POWER SUPPLY 1.5kV
VOLTAGE CONTROLLABLE HIGH VOLTAGE POWER SUPPLY 0.0kV
VOLTAGE CONTROLLABLE HIGH VOLTAGE POWER SUPPLY 0.0kV
42
42
42
42
15

FIG.6

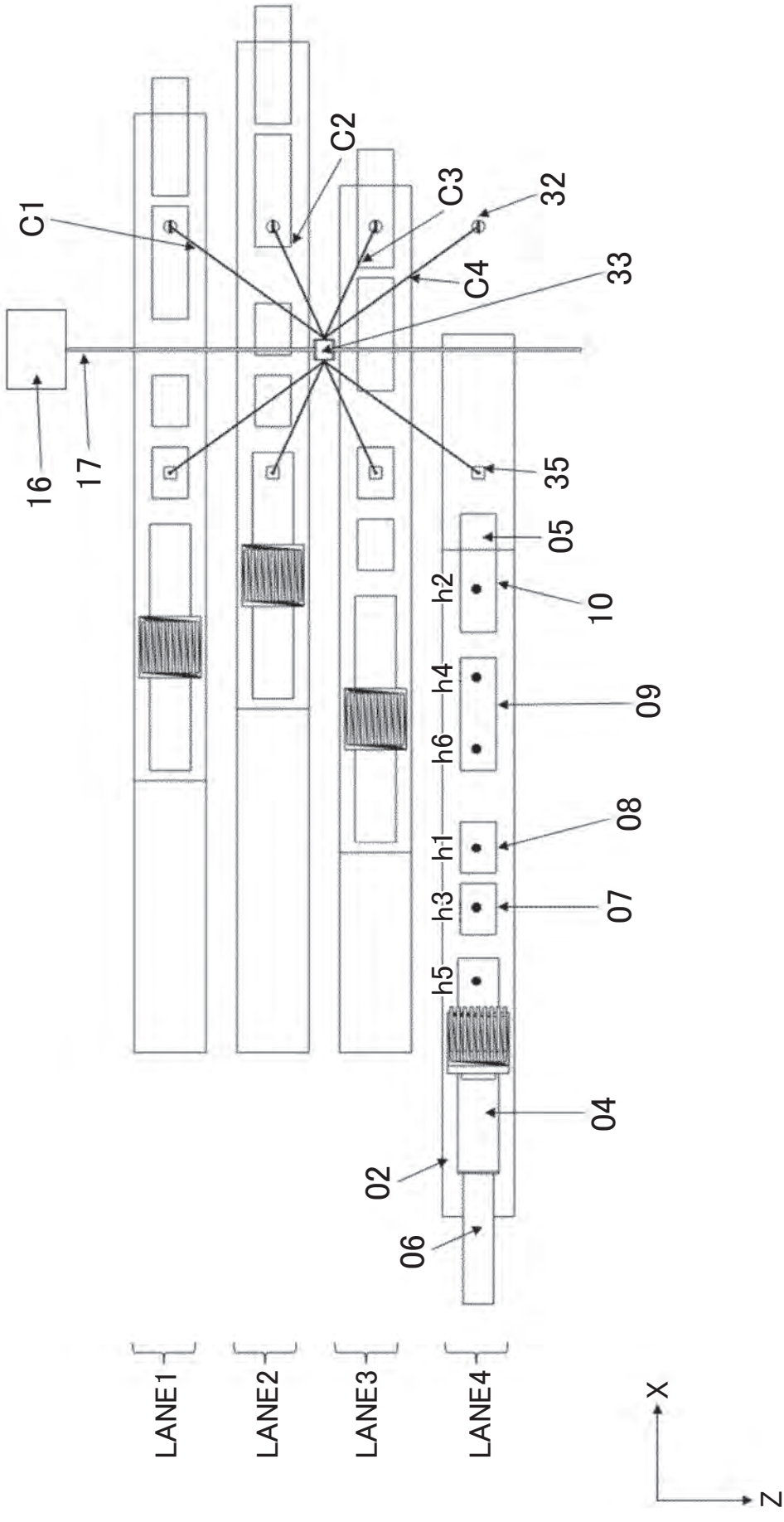

C1
C2
C3
C4
32
33
16
17
35
05
10
h2
h4
h6
09
08
h1
h3
07
h5
04
02
06
LANE1
LANE2
LANE3
LANE4
X
Z

FIG.7

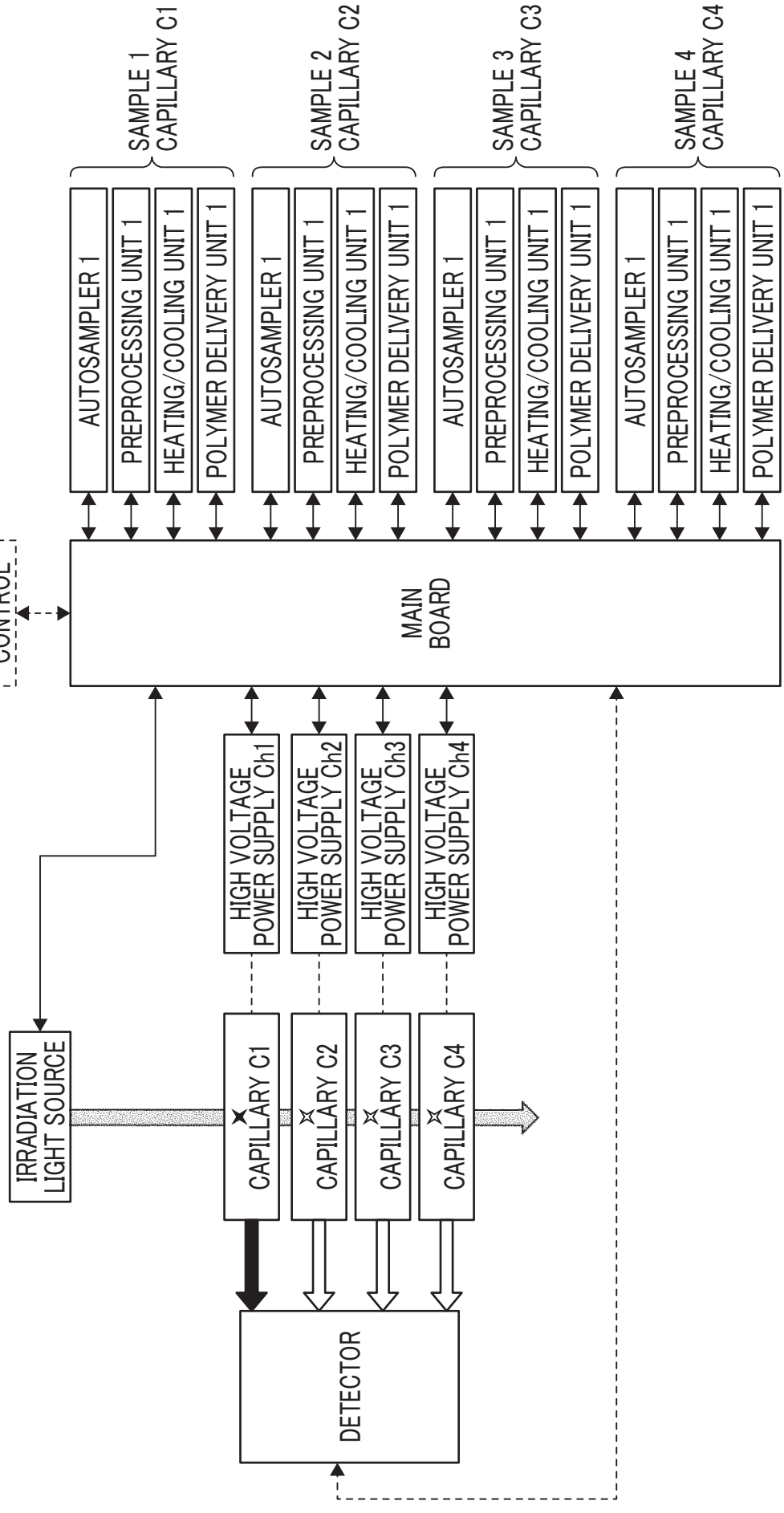

SAMPLE 1 CAPILLARY C1
SAMPLE 2 CAPILLARY C2
SAMPLE 3 CAPILLARY C3
SAMPLE 4 CAPILLARY C4
AUTOSAMPLER 1
PREPROCESSING UNIT 1
HEATING/COOLING UNIT 1
POLYMER DELIVERY UNIT 1
SOFTWARE CONTROL
MAIN BOARD
HIGH VOLTAGE POWER SUPPLY Ch1
HIGH VOLTAGE POWER SUPPLY Ch2
HIGH VOLTAGE POWER SUPPLY Ch3
HIGH VOLTAGE POWER SUPPLY Ch4
IRRADIATION LIGHT SOURCE
CAPILLARY C1
CAPILLARY C2
CAPILLARY C3
CAPILLARY C4
DETECTOR

FIG.8

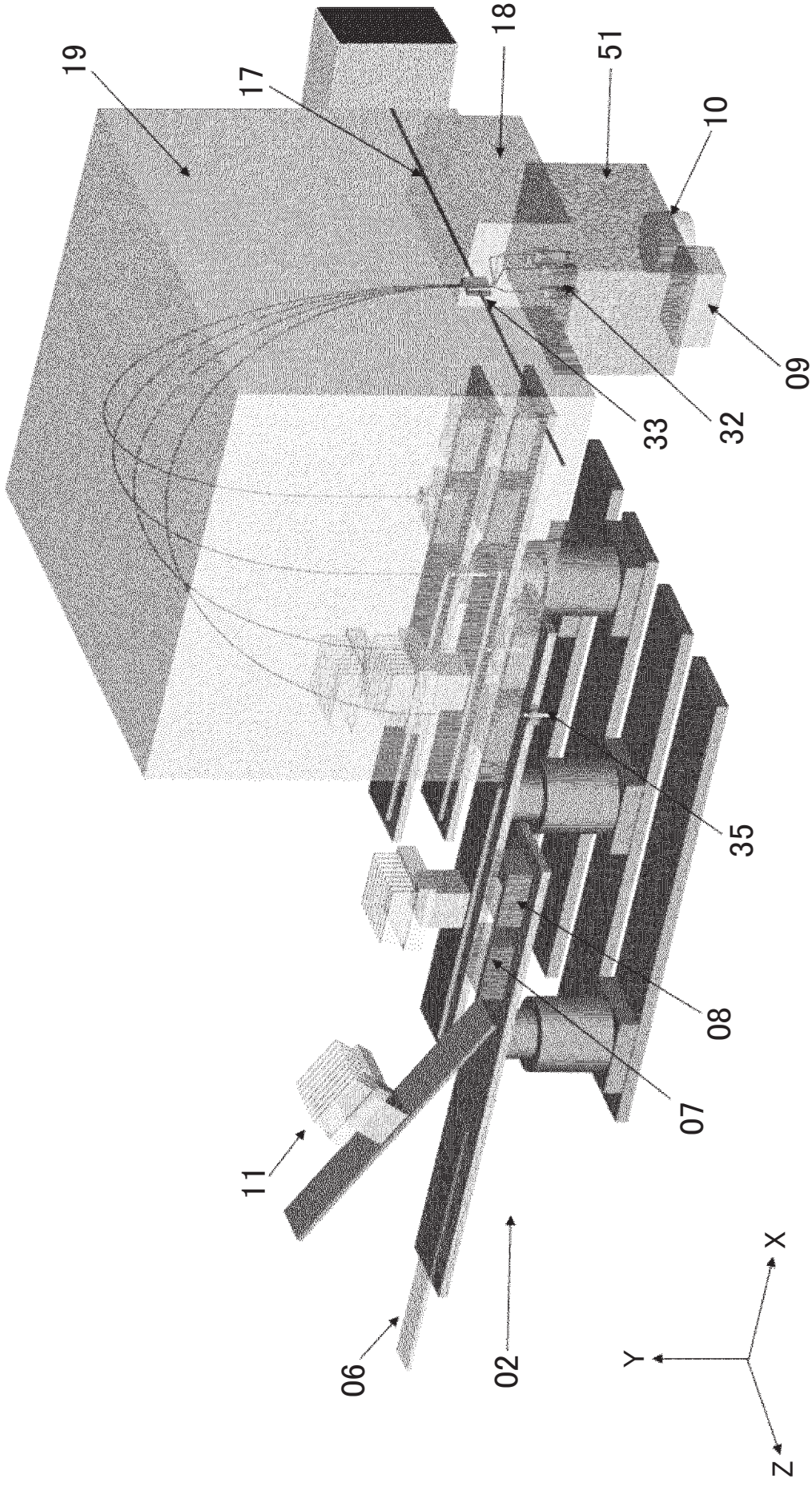


FIG.9

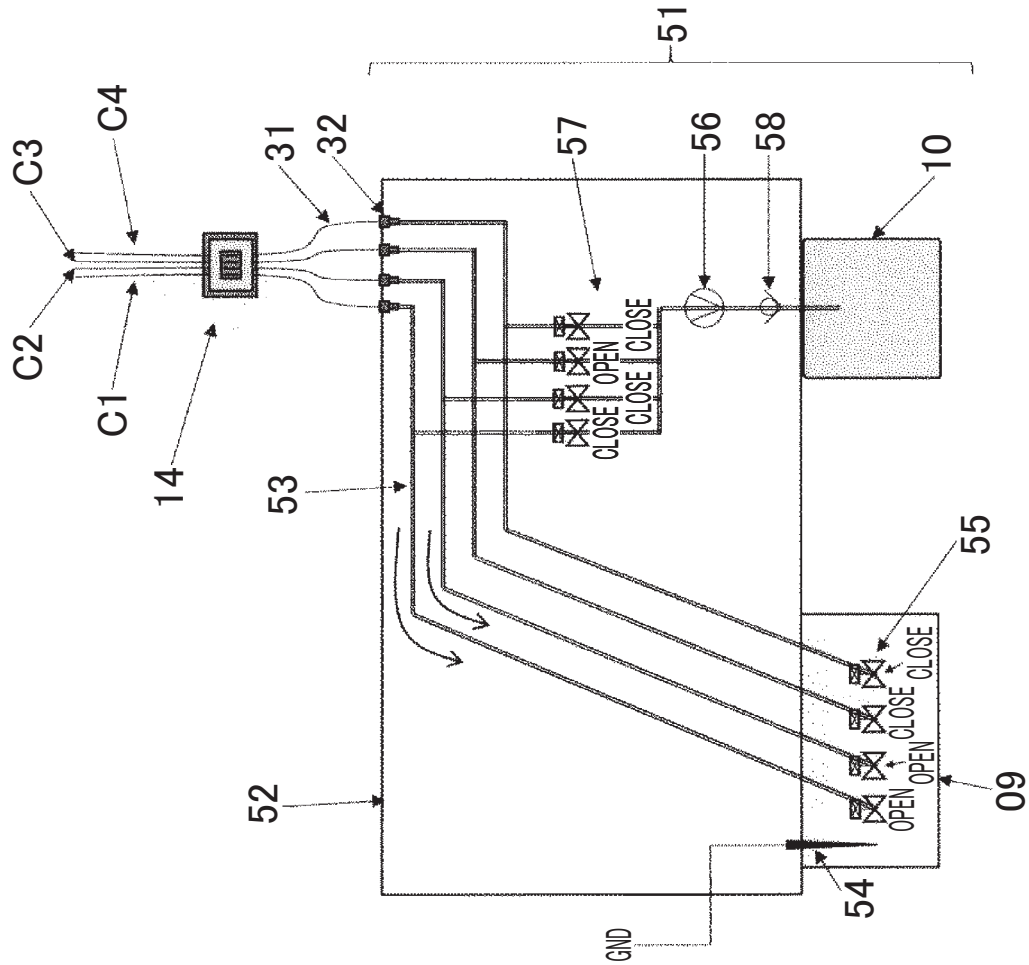

51
C3
C4
31
32
57
56
58
10
C2
C1
14
53
CLOSE
OPEN
CLOSE
CLOSE
55
CLOSE
CLOSE
OPEN
OPEN
52
09
54
GND

FIG.10

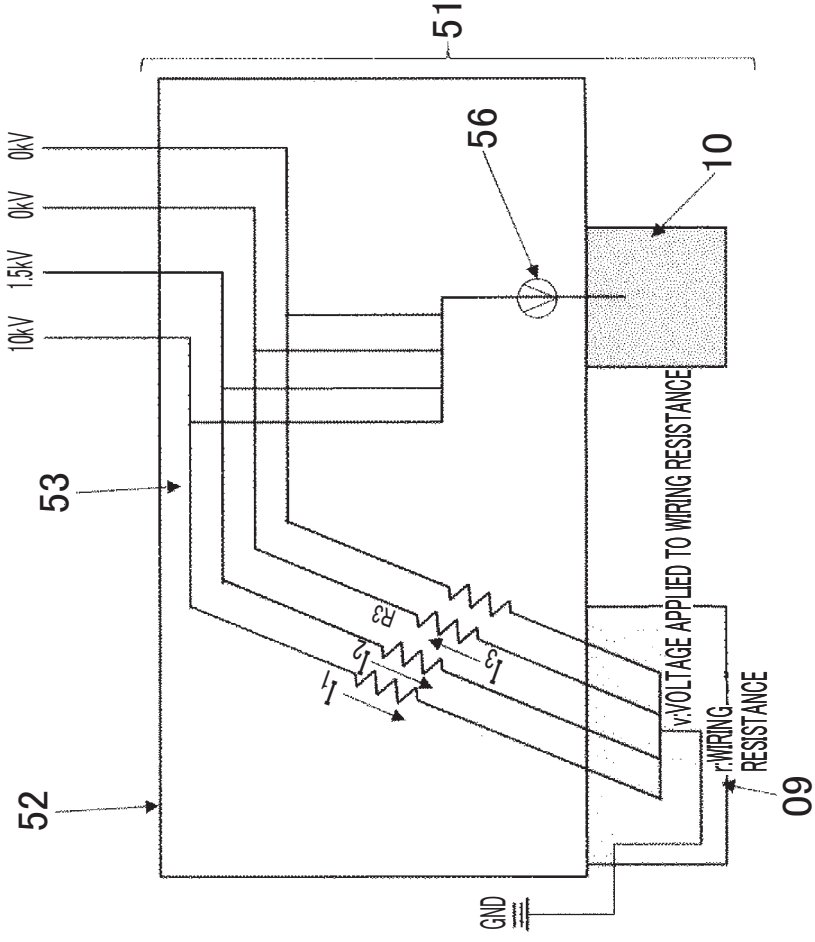

51
0kV
0kV
1.5kV
10kV
56
10
53
R3
R2
R1
v:VOLTAGE APPLIED TO WIRING RESISTANCE
r:WIRING RESISTANCE
52
09
GND

FIG.11

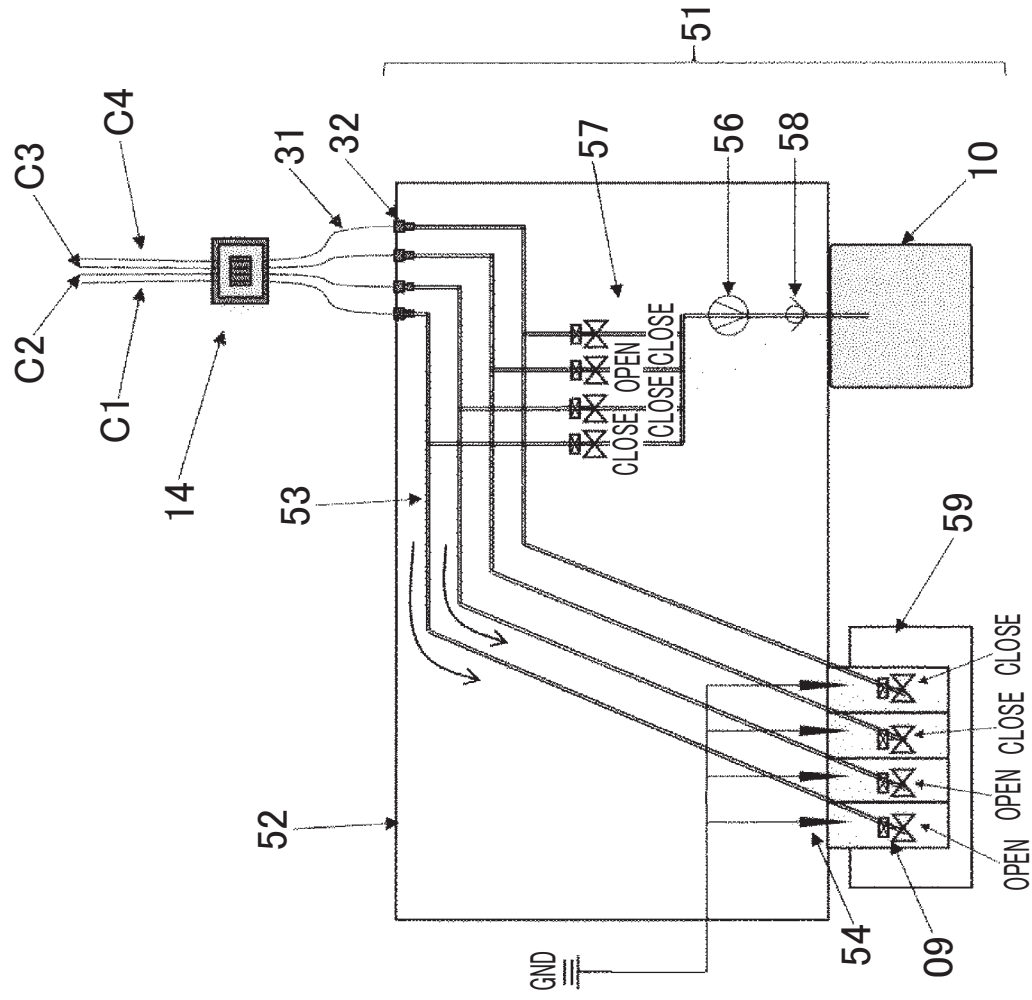

51
C3
C4
31
32
57
56
58
10
C2
C1
14
53
CLOSE
OPEN
CLOSE
CLOSE
59
52
OPEN
CLOSE
CLOSE
OPEN
54
09
GND

FIG.12

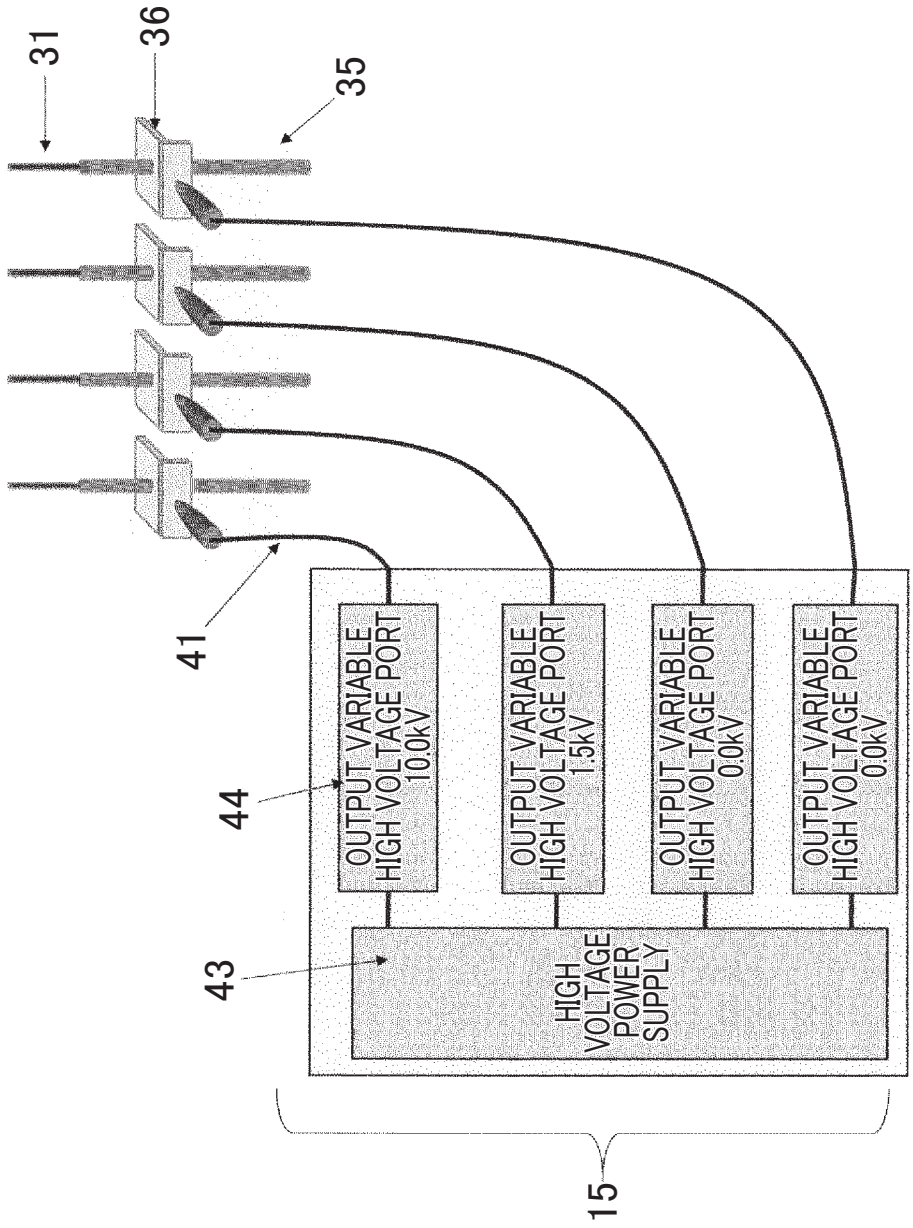

31
36
35
41
44
43
15
OUTPUT VARIABLE HIGH VOLTAGE PORT 10.0kV
OUTPUT VARIABLE HIGH VOLTAGE PORT 1.5kV
OUTPUT VARIABLE HIGH VOLTAGE PORT 0.0kV
OUTPUT VARIABLE HIGH VOLTAGE PORT 0.0kV
HIGH VOLTAGE POWER SUPPLY

FIG.13

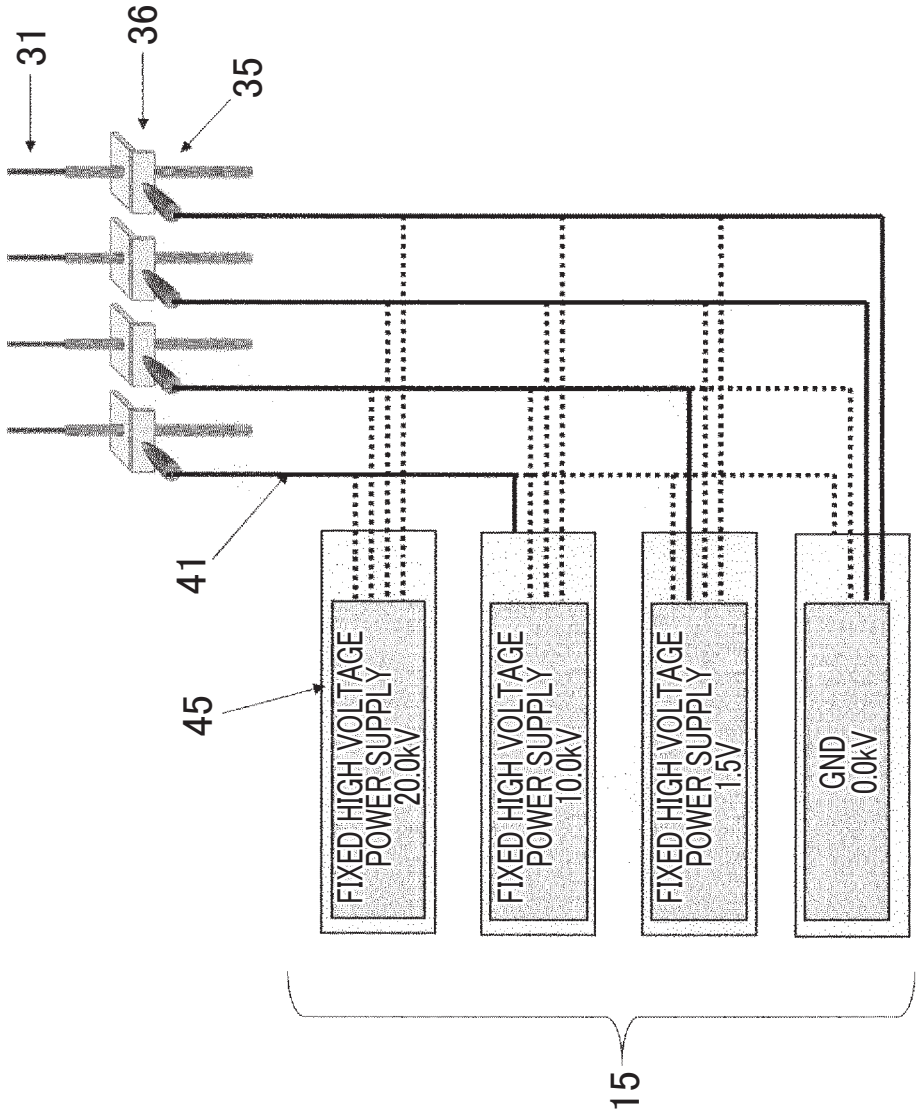

31
36
35
41
45
FIXED HIGH VOLTAGE POWER SUPPLY 20.0kV
FIXED HIGH VOLTAGE POWER SUPPLY 10.0kV
FIXED HIGH VOLTAGE POWER SUPPLY 1.5V
GND 0.0kV
15

FIG.14

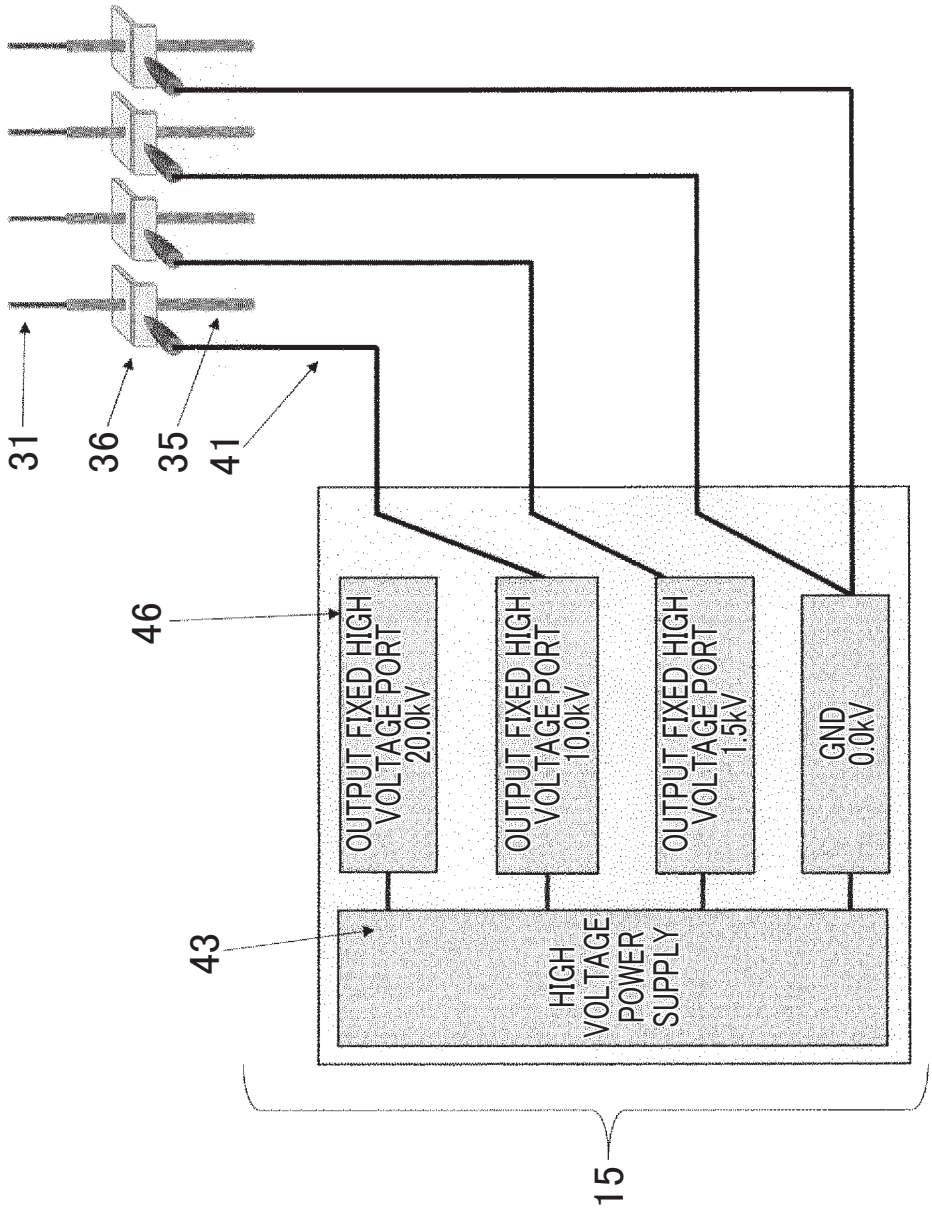

31
36
35
41
46
43
15
OUTPUT FIXED HIGH VOLTAGE PORT 20.0kV
OUTPUT FIXED HIGH VOLTAGE PORT 10.0kV
OUTPUT FIXED HIGH VOLTAGE PORT 1.5kV
GND 0.0kV
HIGH VOLTAGE POWER SUPPLY

FIG.15

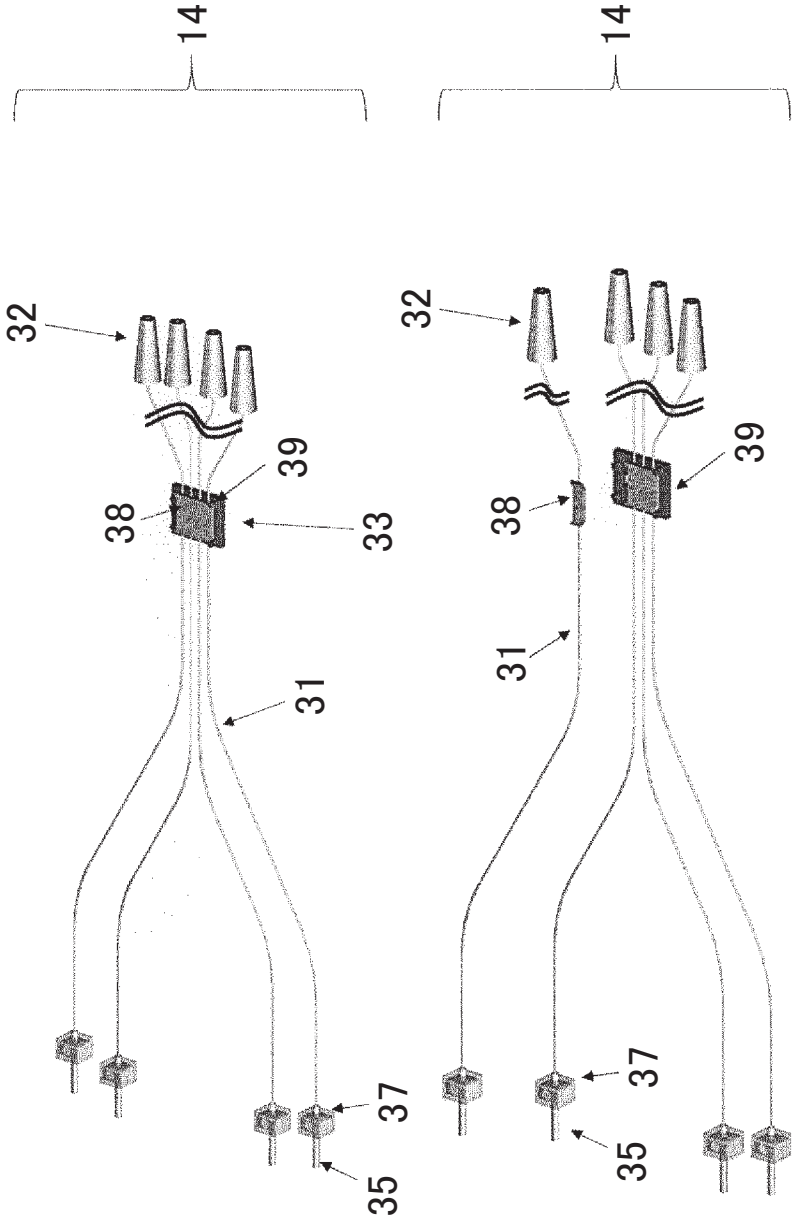


FIG.16

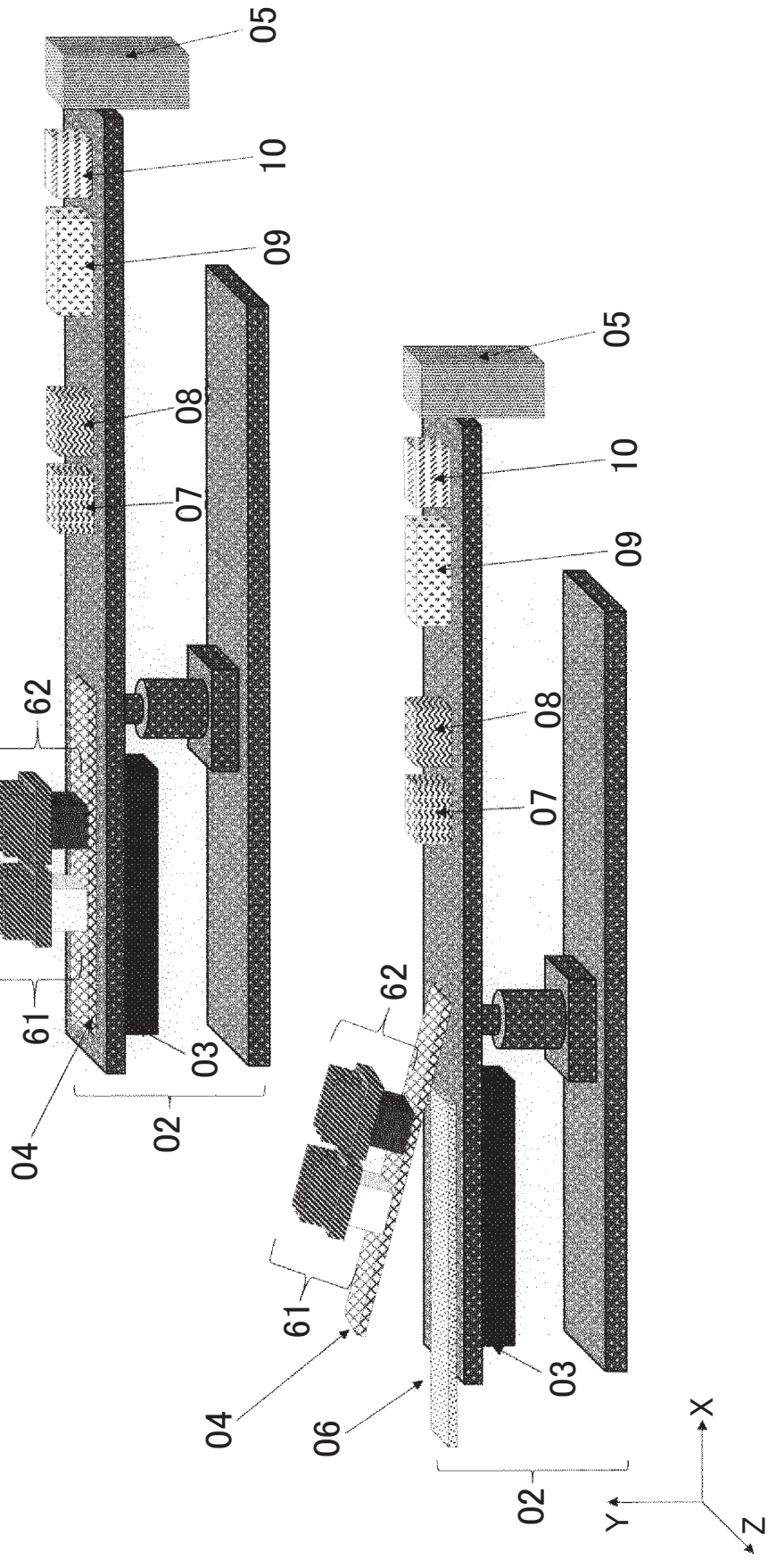


FIG.17

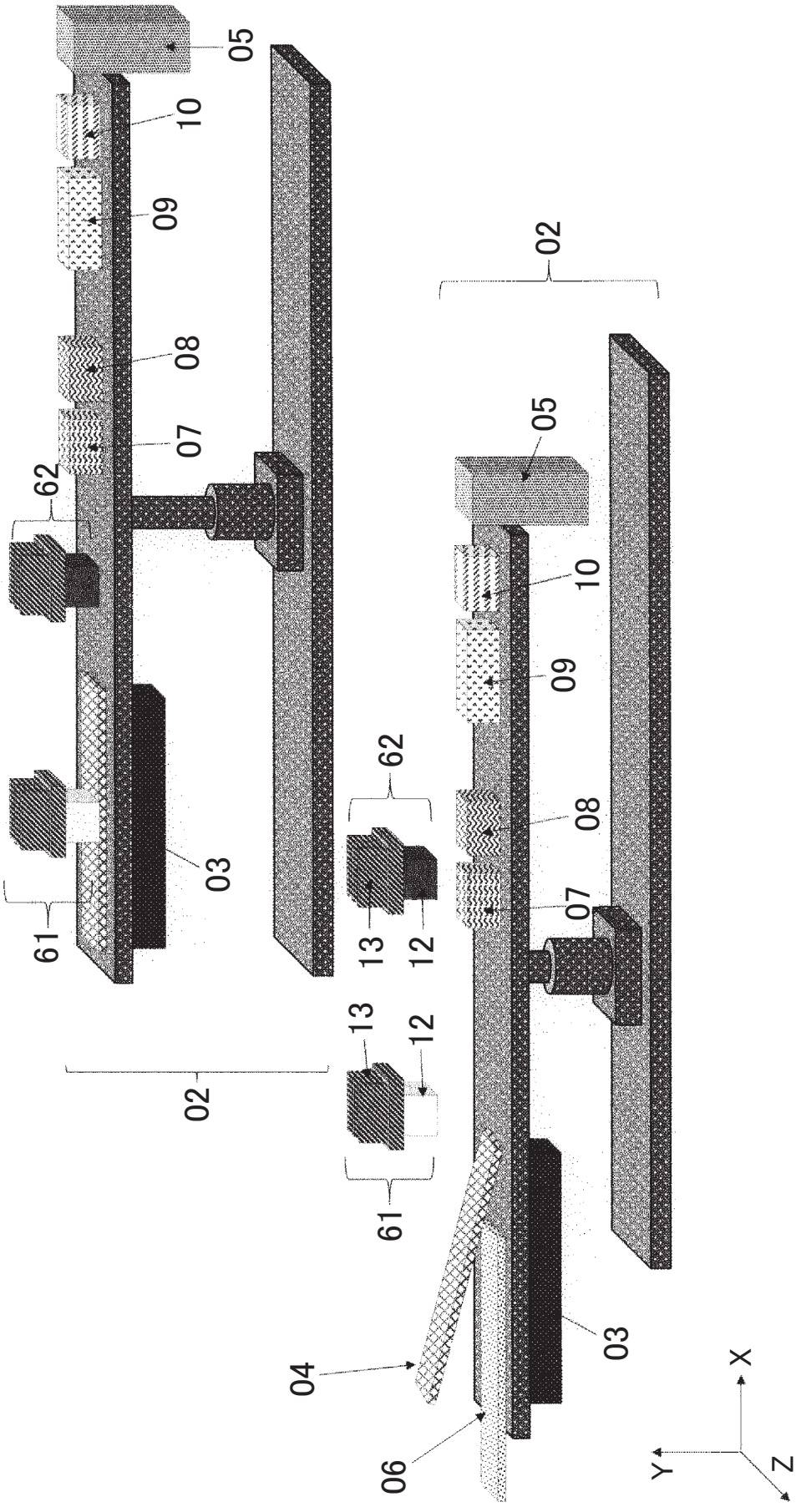


FIG.18

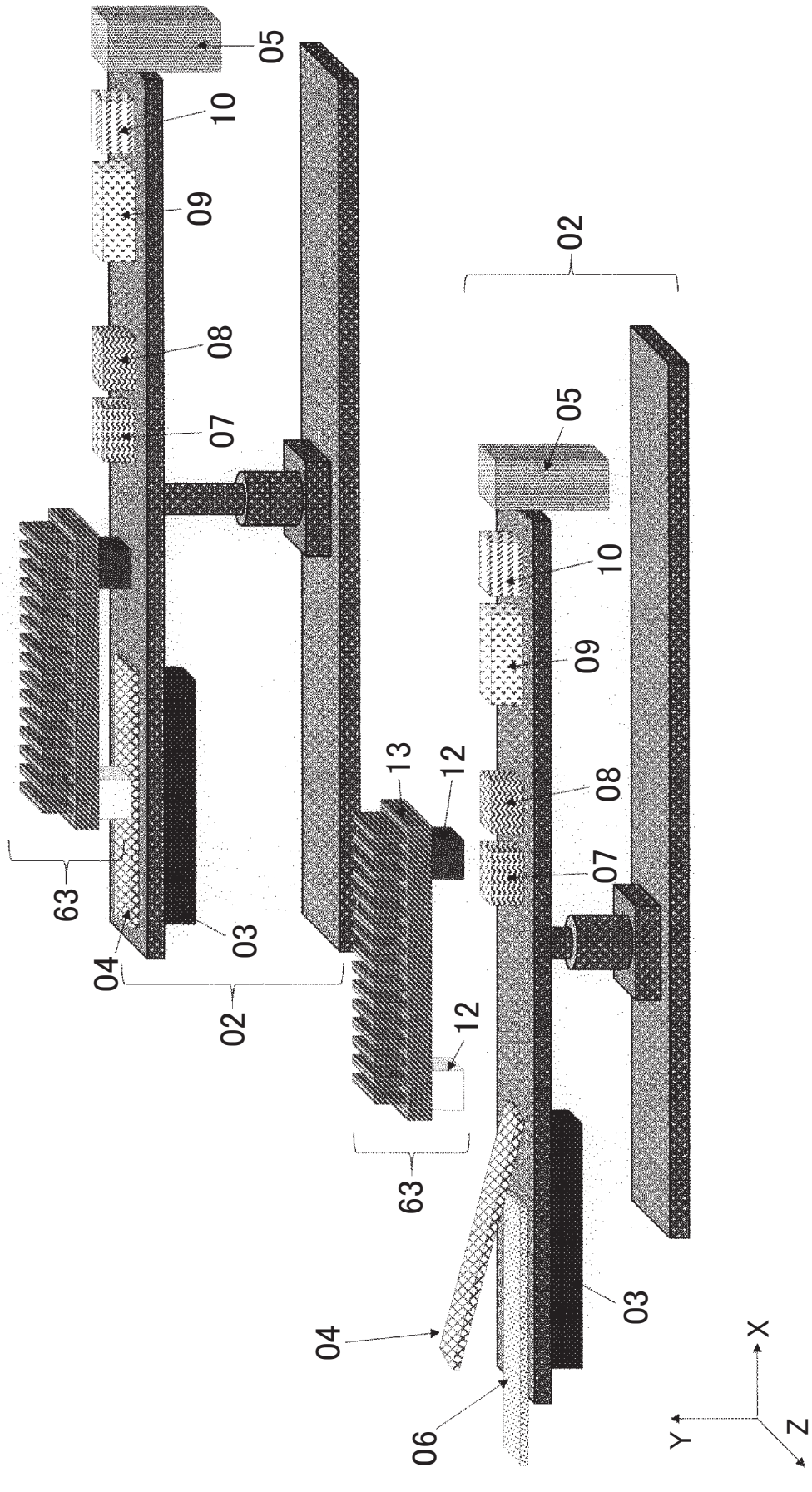


FIG.19

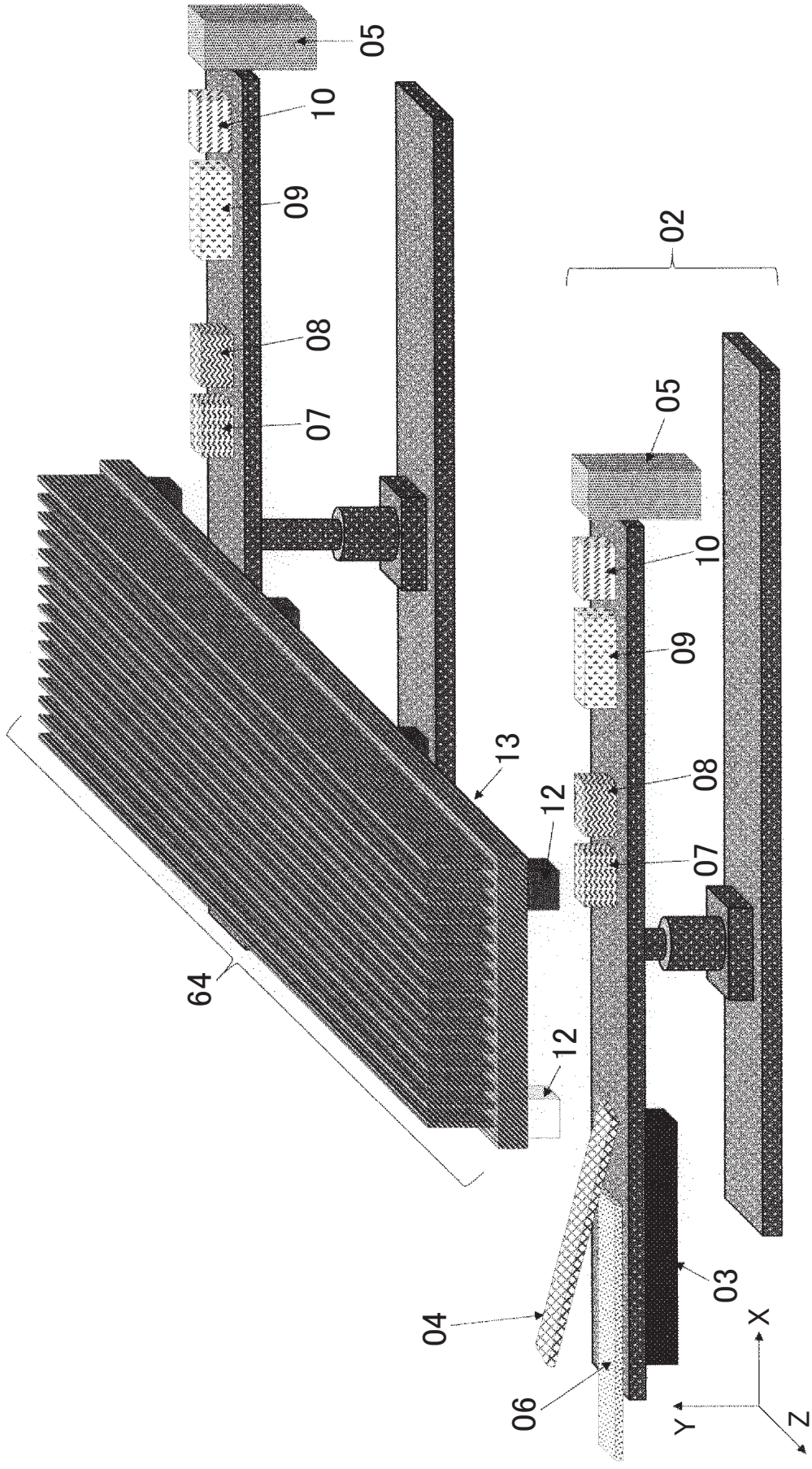


FIG.20

