FIG. 1

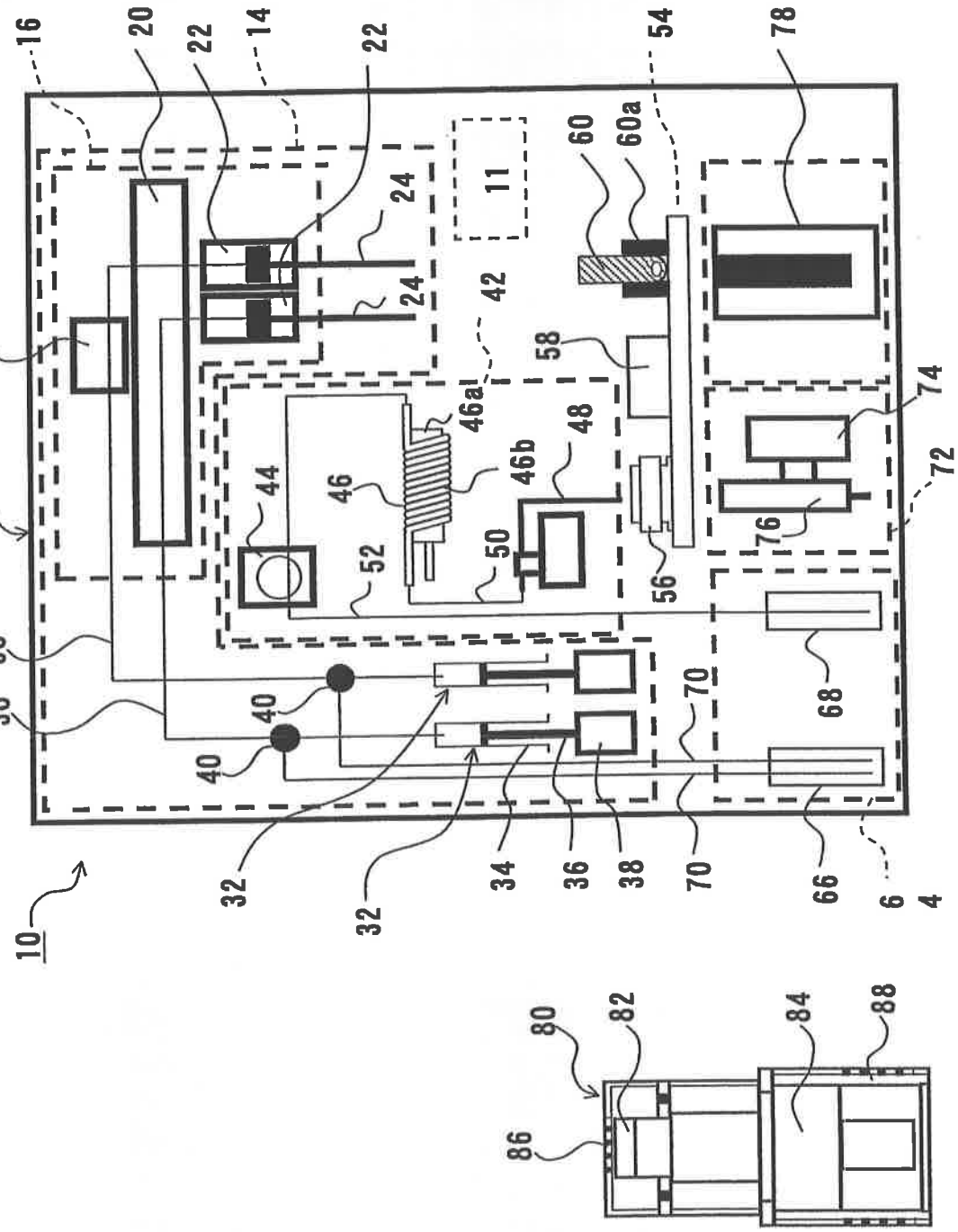

16
20
22
14
22
54
78
60
60a
11
24
24
42
18
58
74
46a
48
12
44
46
46b
72
76
50
52
56
30
30
40
40
68
70
32
32
34
36
38
70
66
6
4
10
80
82
84
88
86

FIG. 2

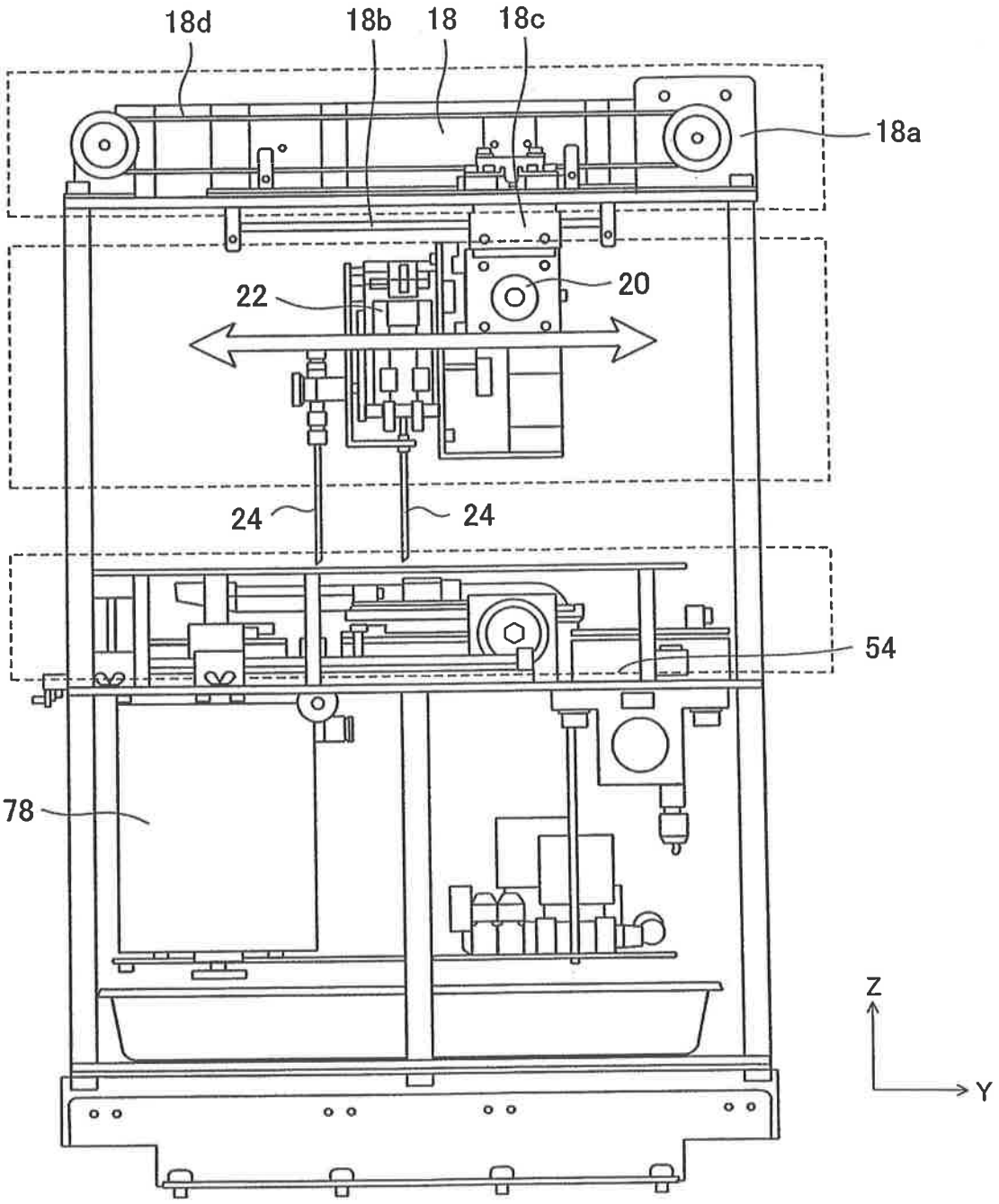


FIG. 3A

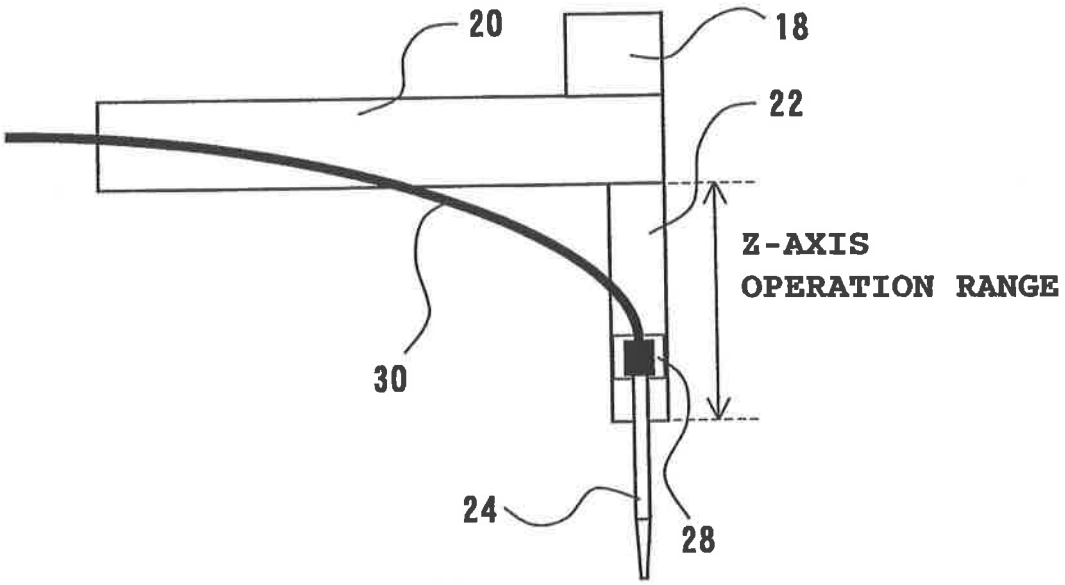

20
18
22
Z-AXIS
OPERATION RANGE
30
24
28

FIG. 3B

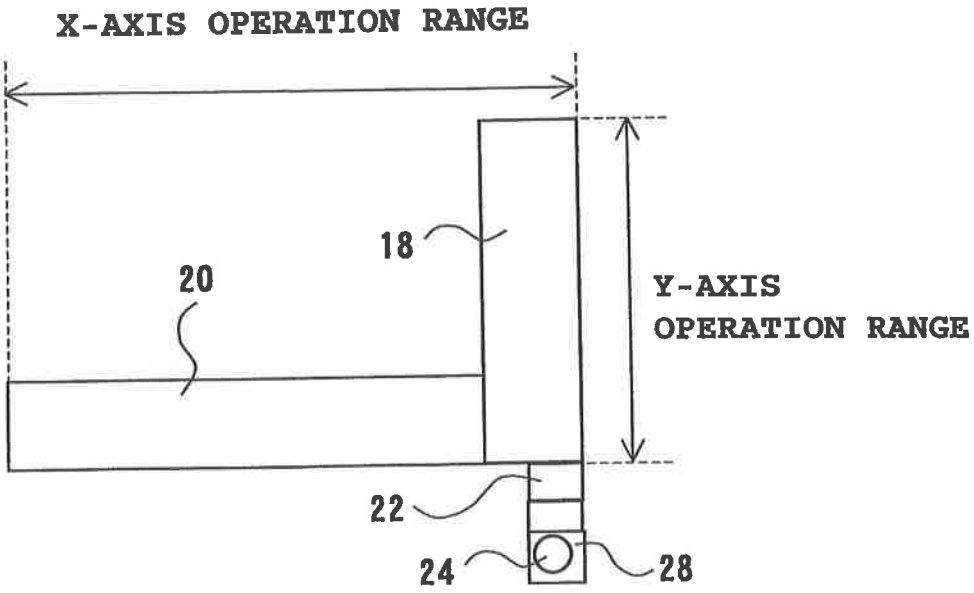

X-AXIS OPERATION RANGE
18
20
Y-AXIS
OPERATION RANGE
22
24
28

FIG. 4

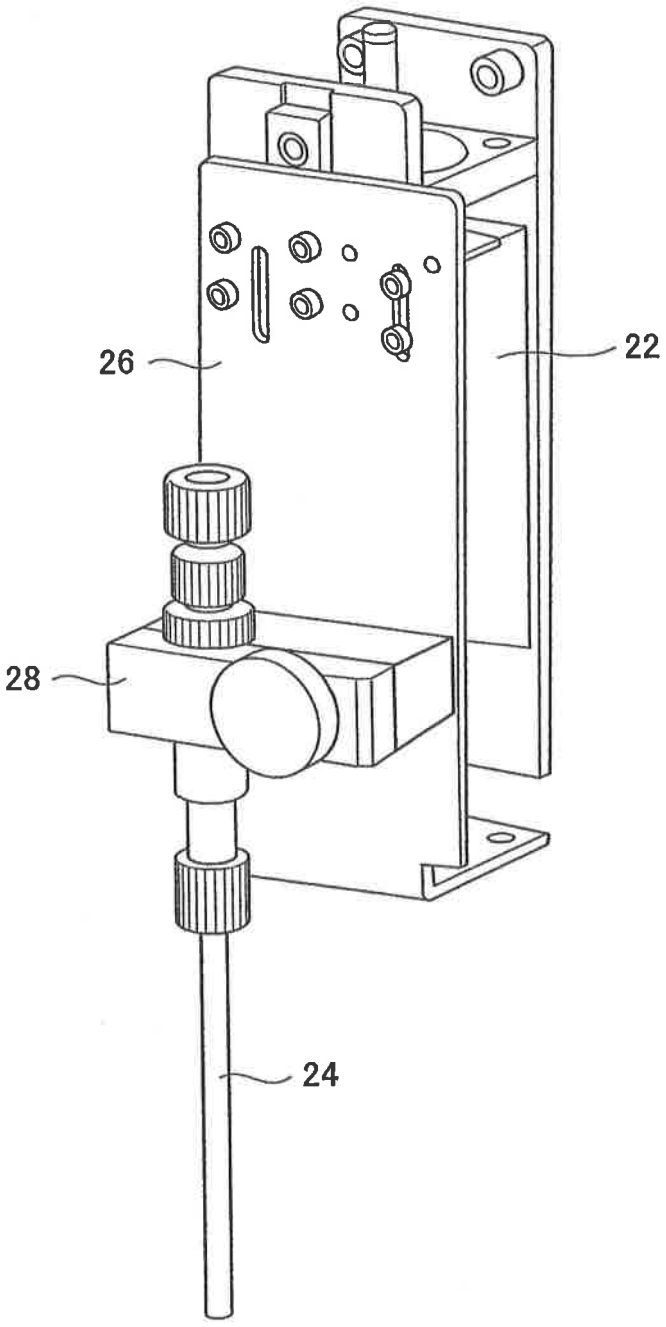


FIG. 5A

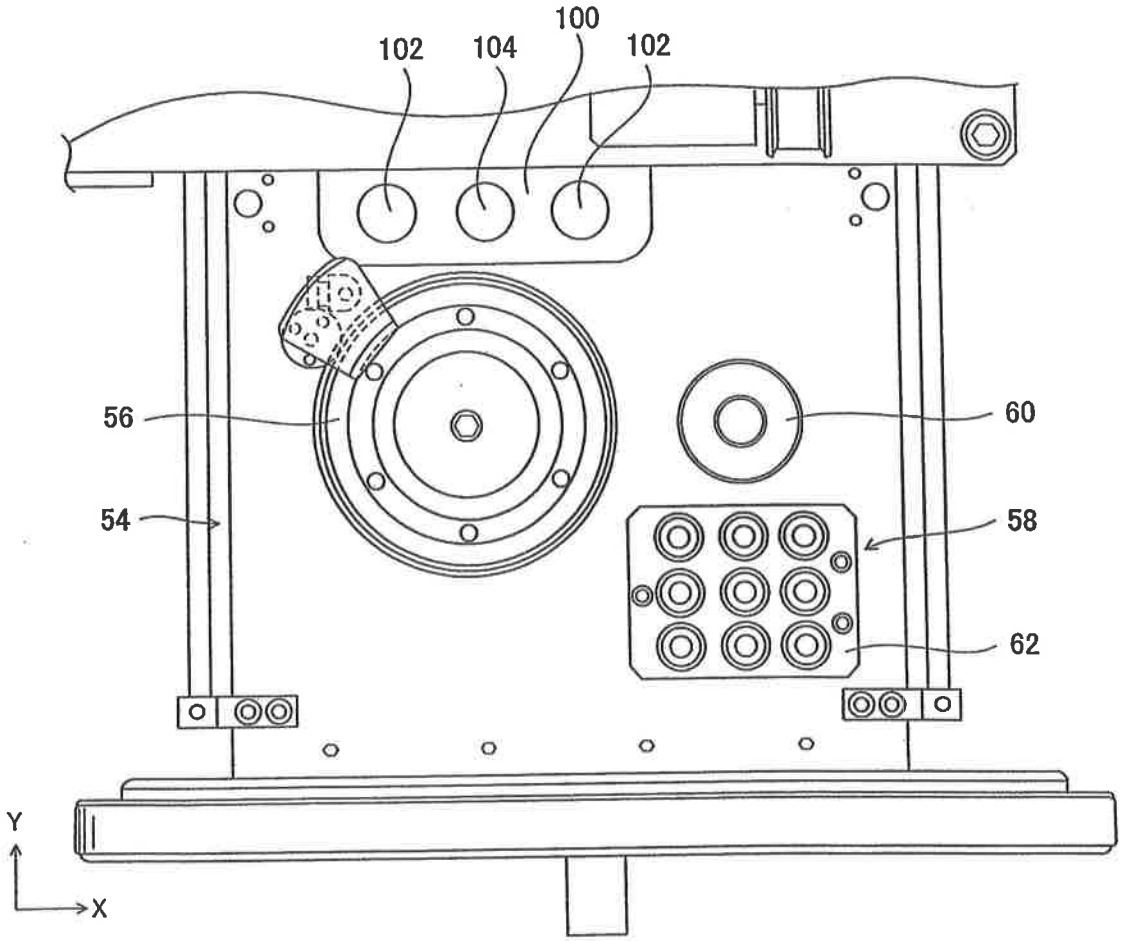


FIG. 5B

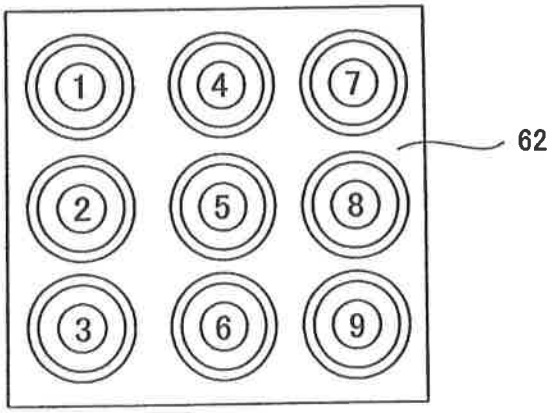


FIG. 6

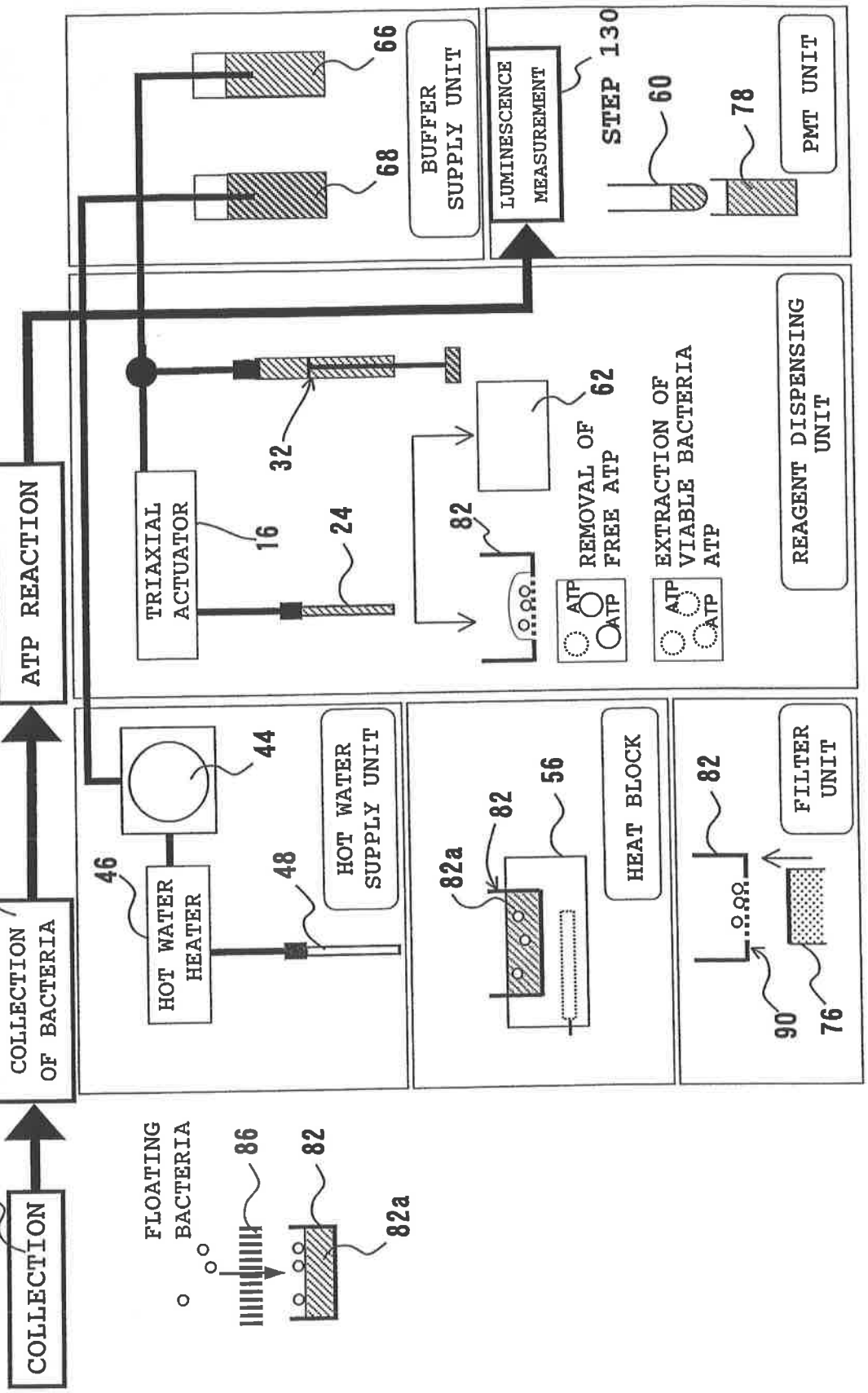

STEP 100
COLLECTION
FLOATING BACTERIA
86
82
82a
STEP 110
COLLECTION OF BACTERIA
STEP 120
ATP REACTION
HOT WATER HEATER
46
44
48
HOT WATER SUPPLY UNIT
TRIAXIAL ACTUATOR
16
24
32
82a
82
56
HEAT BLOCK
82
90
76
FILTER UNIT
82
62
REMOVAL OF FREE ATP
ATP
EXTRACTION OF VIABLE BACTERIA ATP
ATP
REAGENT DISPENSING UNIT
66
68
BUFFER SUPPLY UNIT
LUMINESCENCE MEASUREMENT
STEP 130
60
78
PMT UNIT

FIG. 7

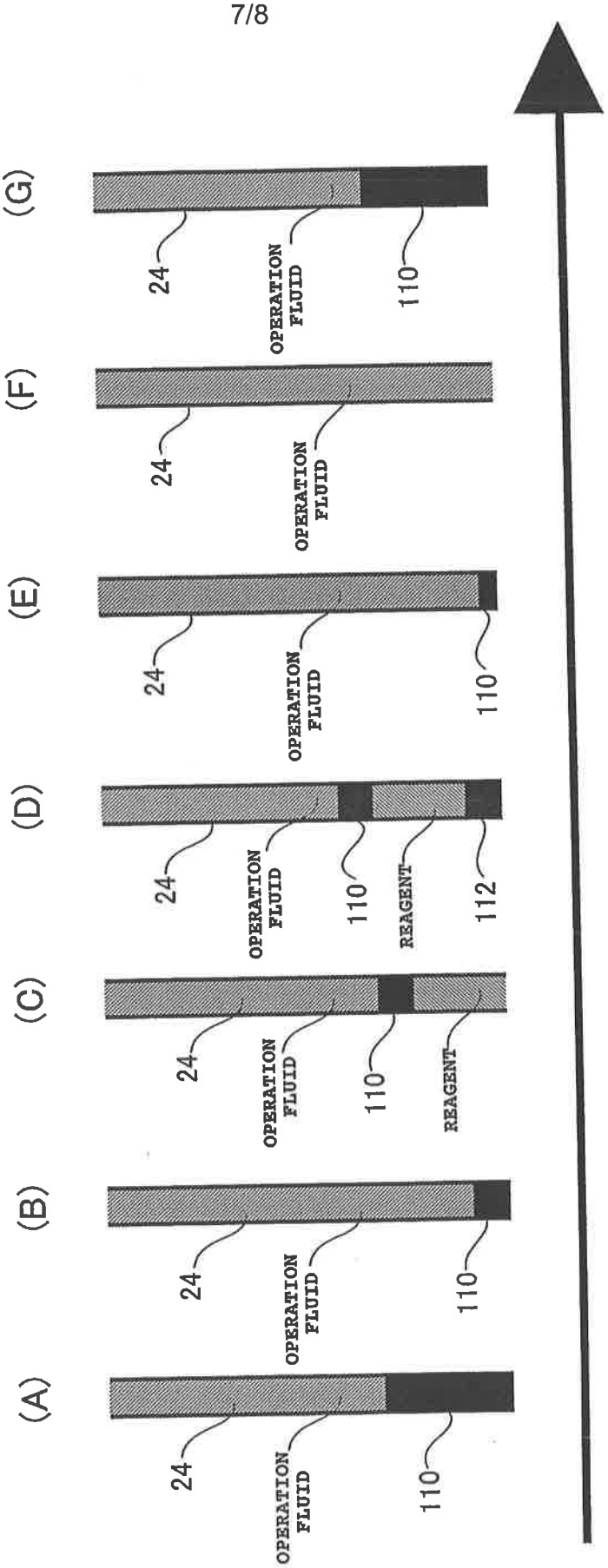
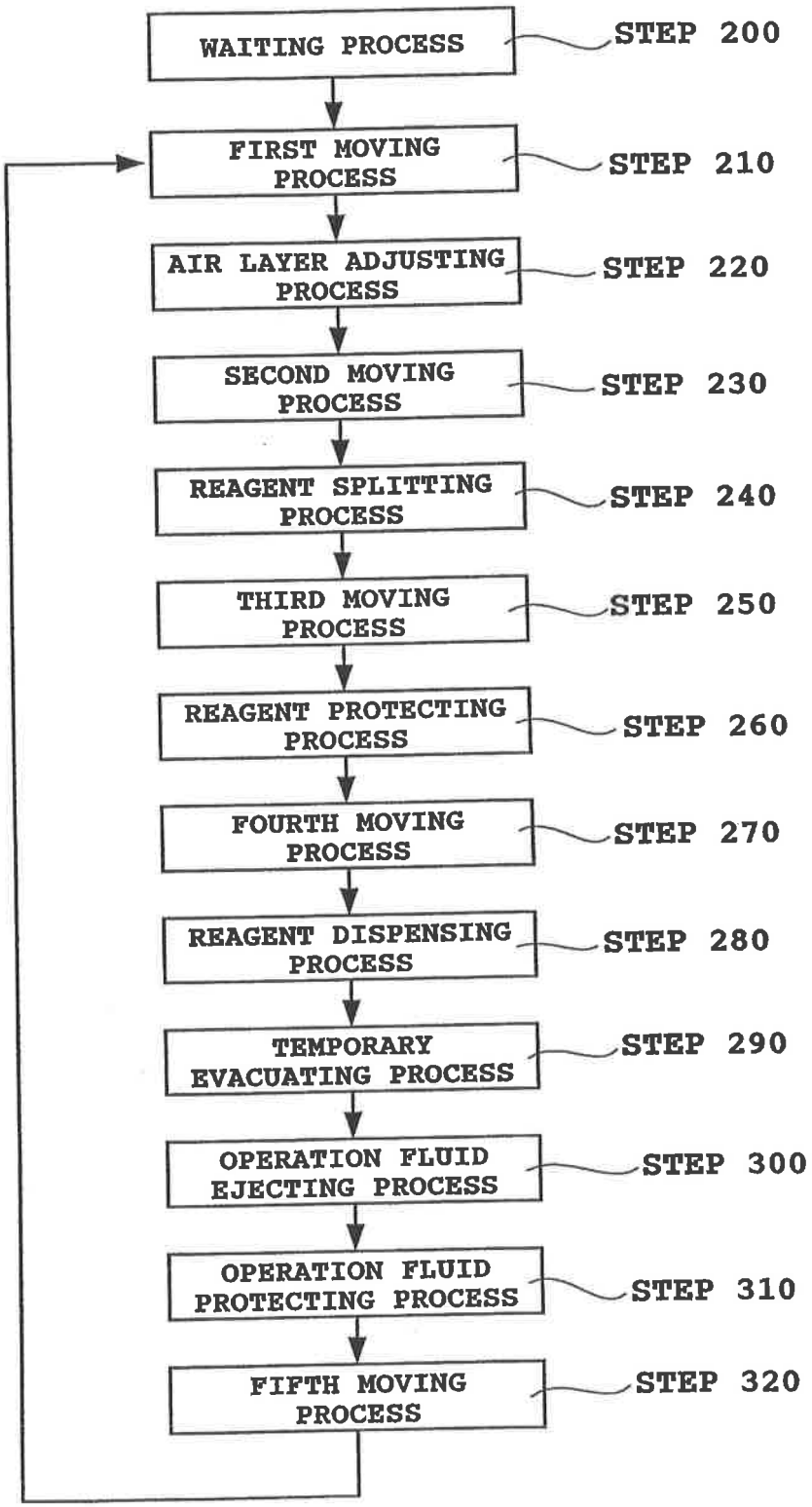


FIG. 8


WAITING PROCESS
STEP 200
FIRST MOVING PROCESS
STEP 210
AIR LAYER ADJUSTING PROCESS
STEP 220
SECOND MOVING PROCESS
STEP 230
REAGENT SPLITTING PROCESS
STEP 240
THIRD MOVING PROCESS
STEP 250
REAGENT PROTECTING PROCESS
STEP 260
FOURTH MOVING PROCESS
STEP 270
REAGENT DISPENSING PROCESS
STEP 280
TEMPORARY EVACUATING PROCESS
STEP 290
OPERATION FLUID EJECTING PROCESS
STEP 300
OPERATION FLUID PROTECTING PROCESS
STEP 310
FIFTH MOVING PROCESS
STEP 320