Fig. 1

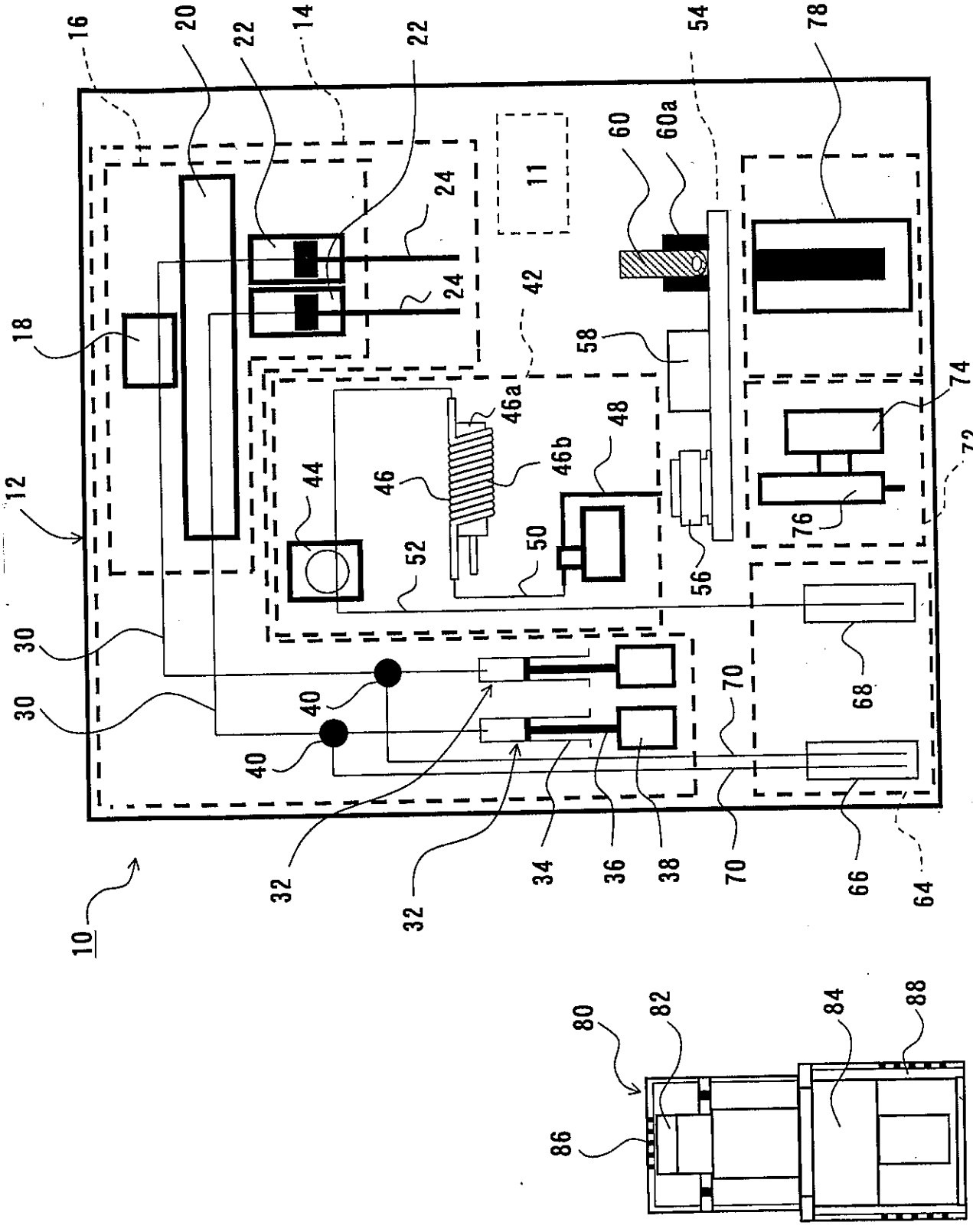

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46a
46b
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60a
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86
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Fig. 2

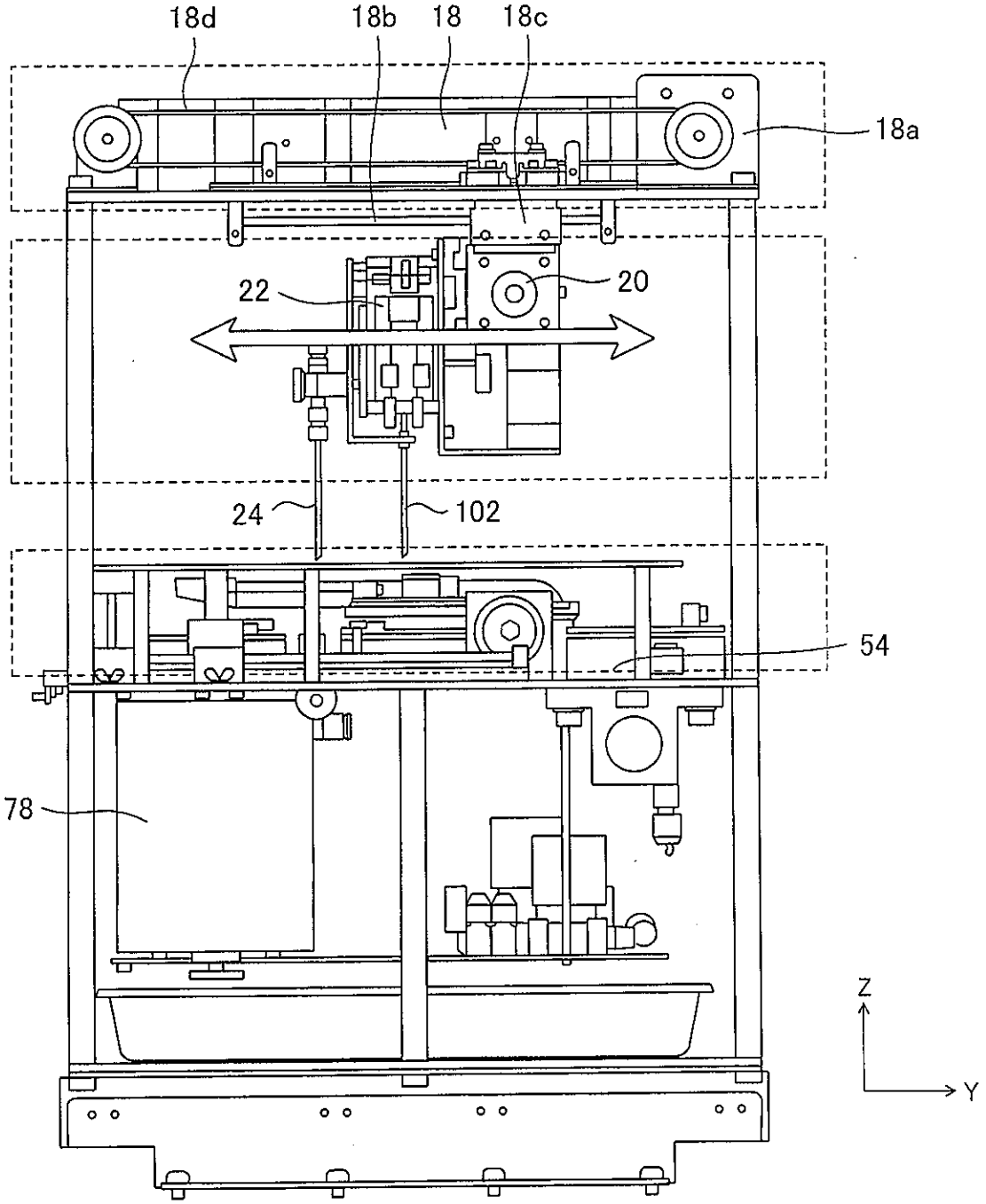


Fig. 3-A

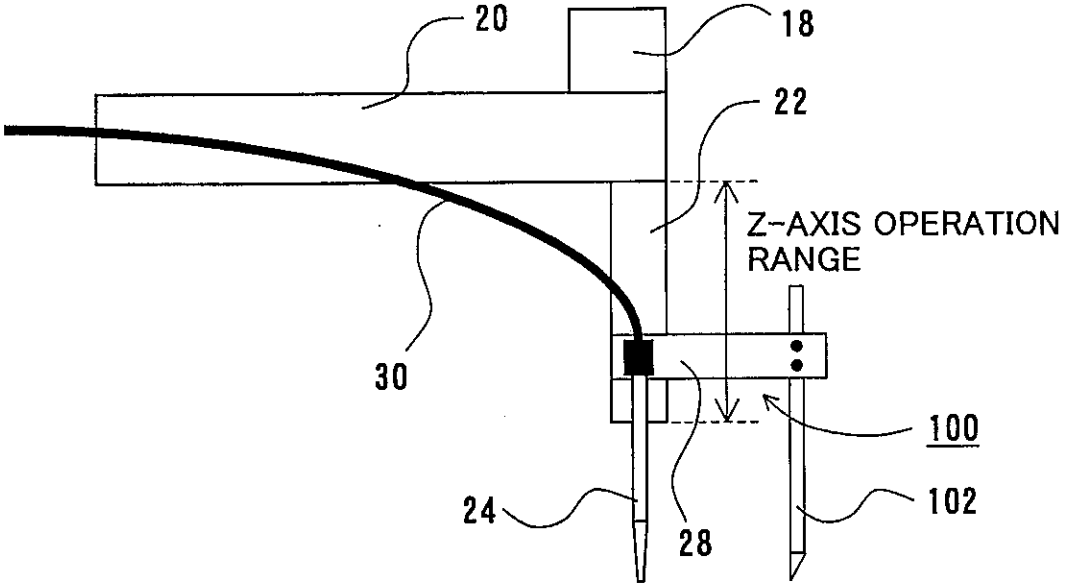

20
18
22
Z-AXIS OPERATION RANGE
30
100
24
28
102

Fig. 3-B

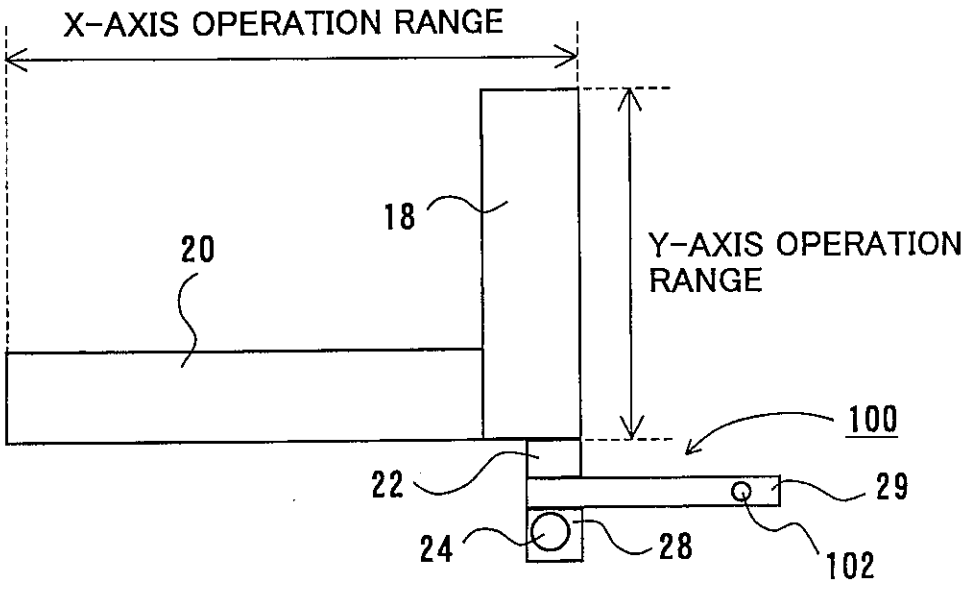

X-AXIS OPERATION RANGE
18
20
Y-AXIS OPERATION RANGE
100
22
29
24
28
102

Fig. 4

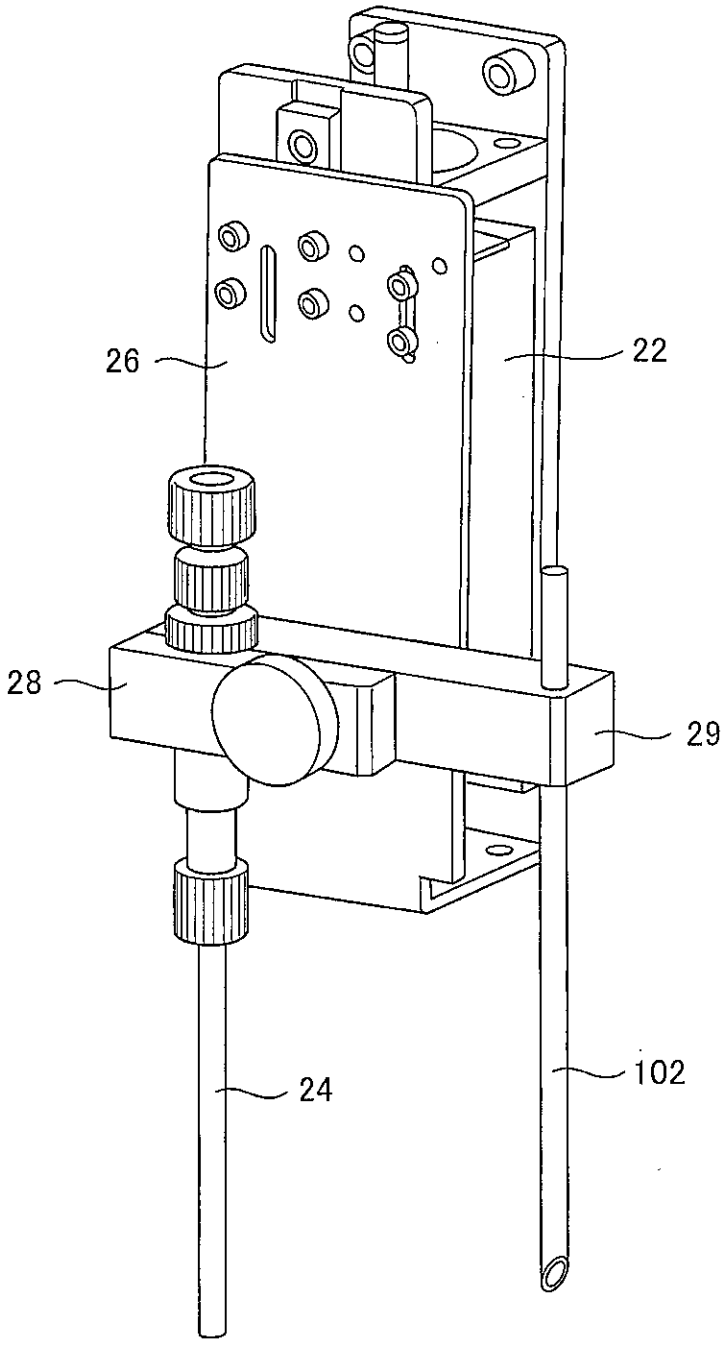


Fig. 5-A

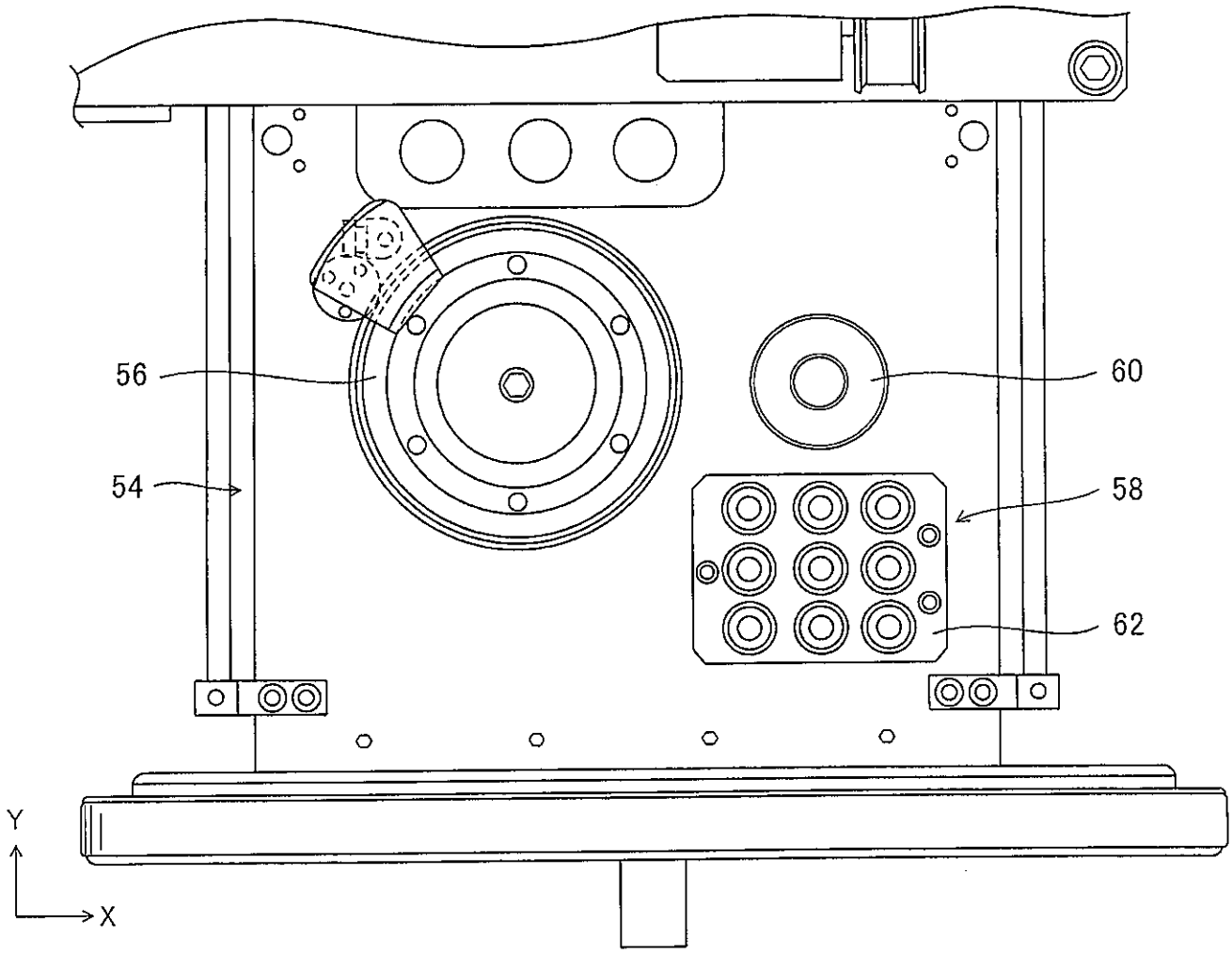


Fig. 5-B

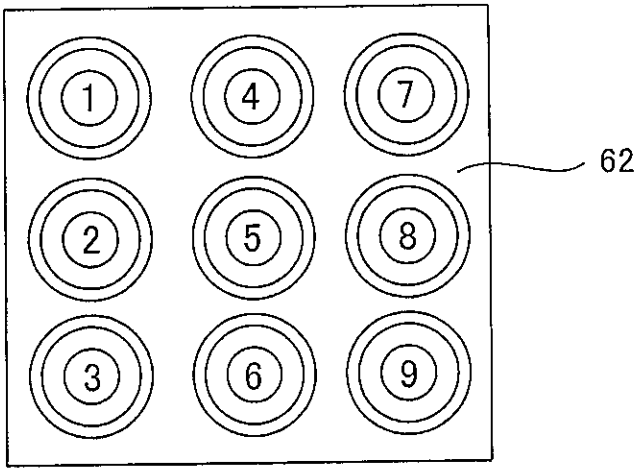


Fig. 6

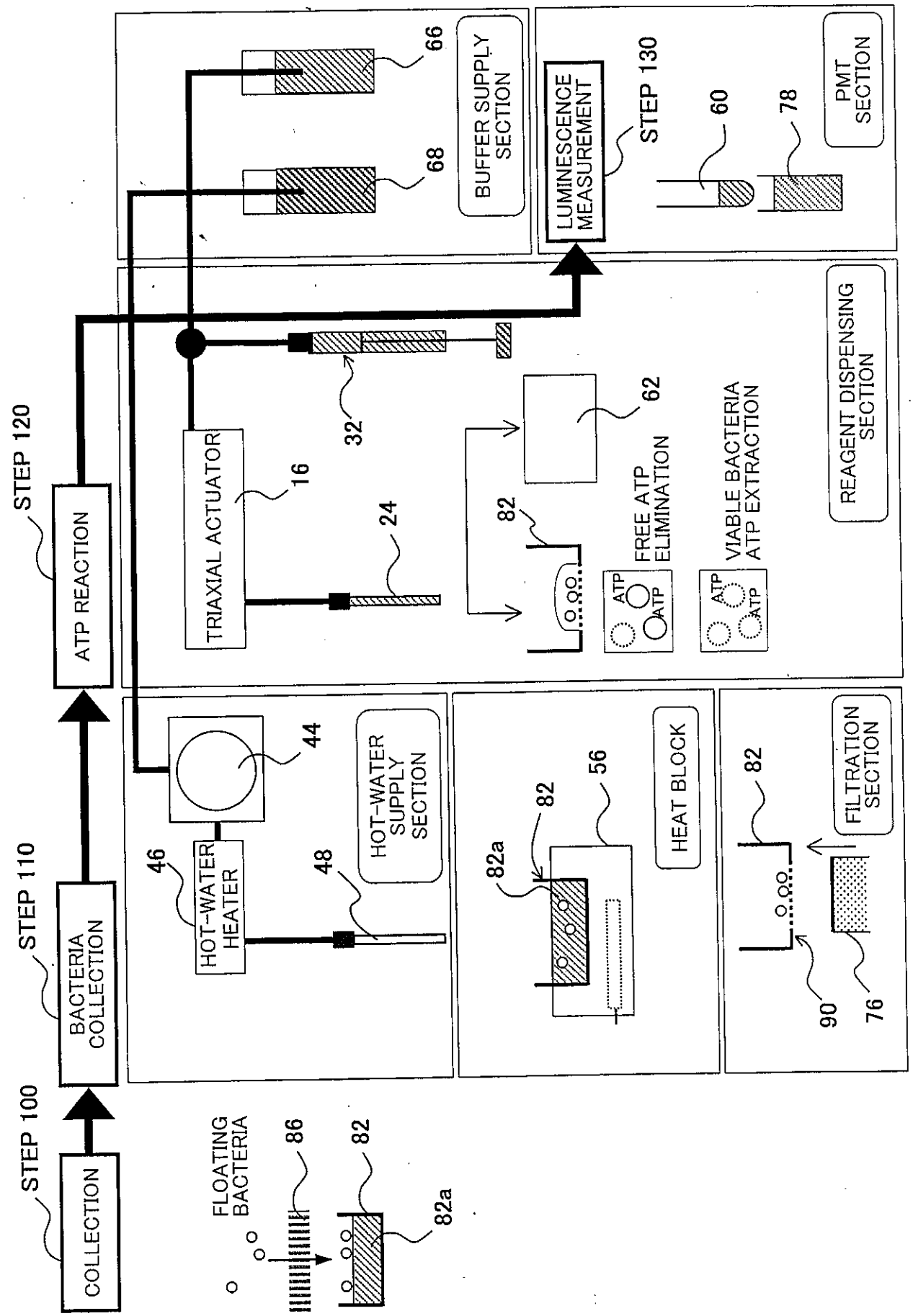

STEP 100
COLLECTION
FLOATING BACTERIA
86
82
82a
STEP 110
BACTERIA COLLECTION
STEP 120
ATP REACTION
HOT-WATER HEATER
46
44
48
HOT-WATER SUPPLY SECTION
TRIAXIAL ACTUATOR
16
24
32
82a
82
56
HEAT BLOCK
82
90
76
FILTRATION SECTION
82
62
FREE ATP ELIMINATION
ATP
ATP
VIABLE BACTERIA ATP EXTRACTION
ATP
ATP
REAGENT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

Fig. 7

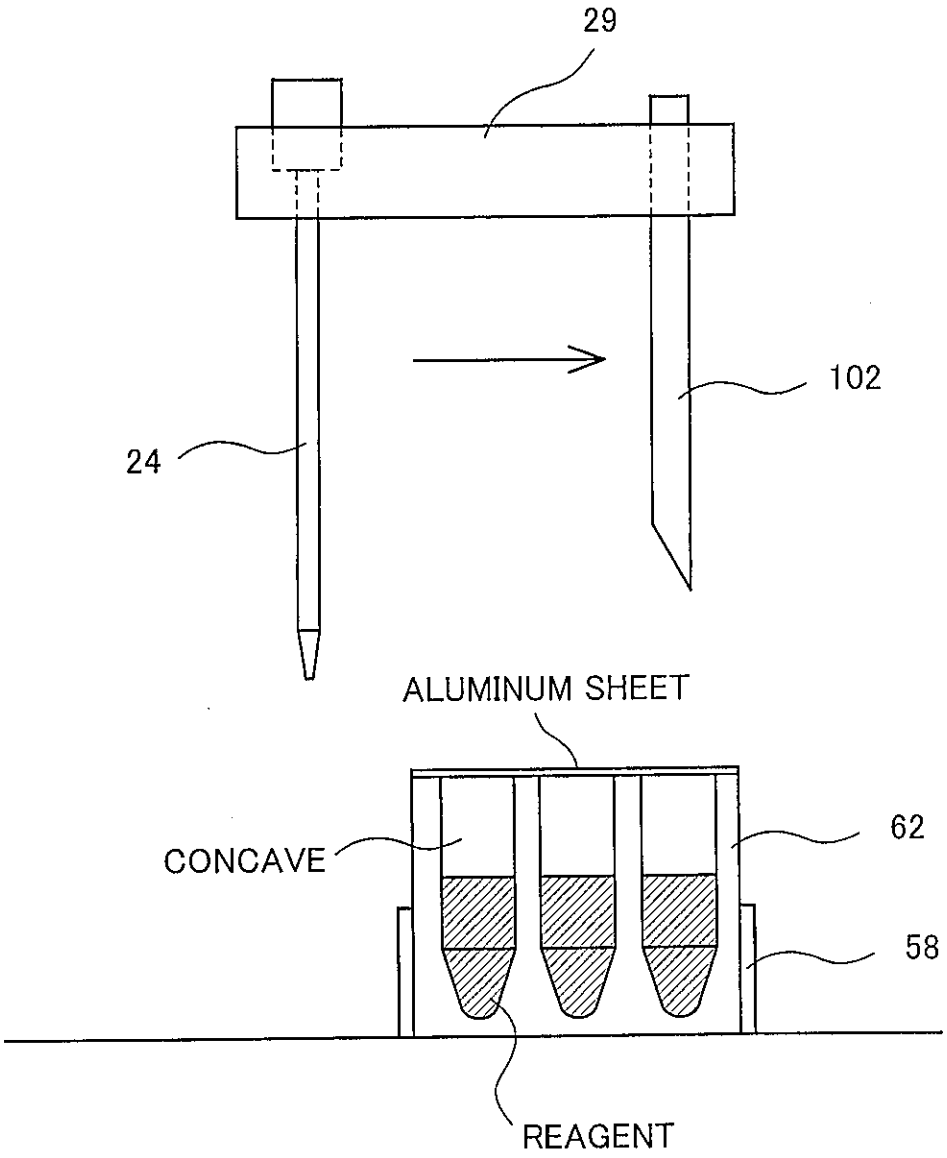


Fig. 8

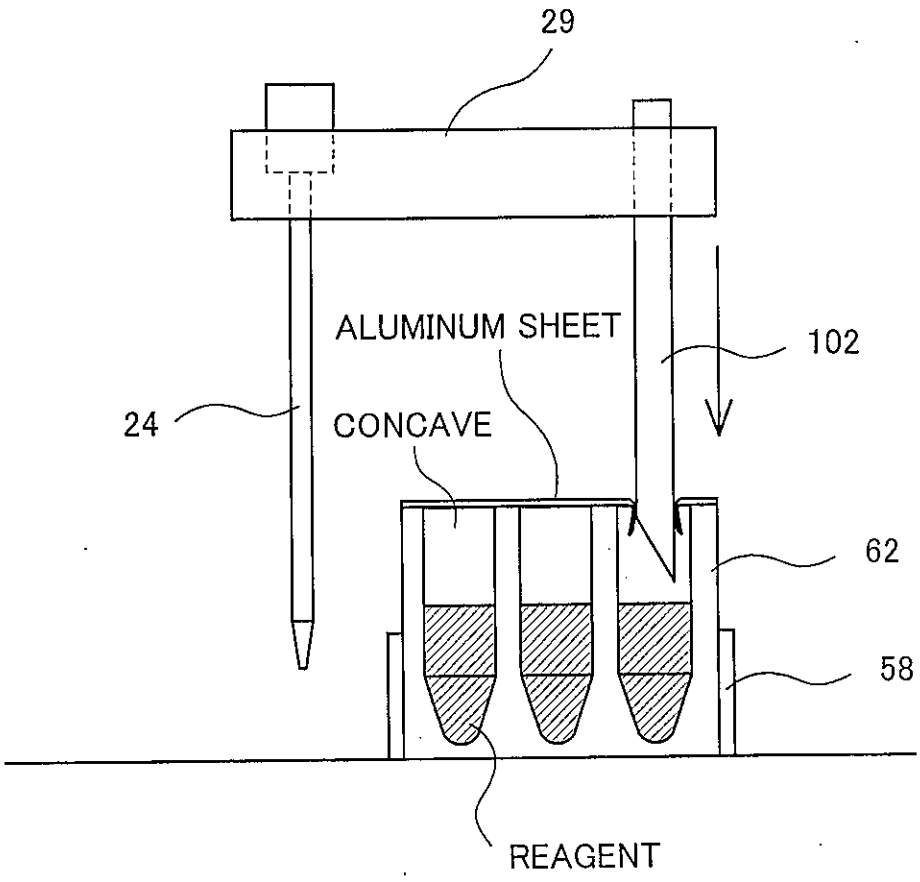


Fig. 9

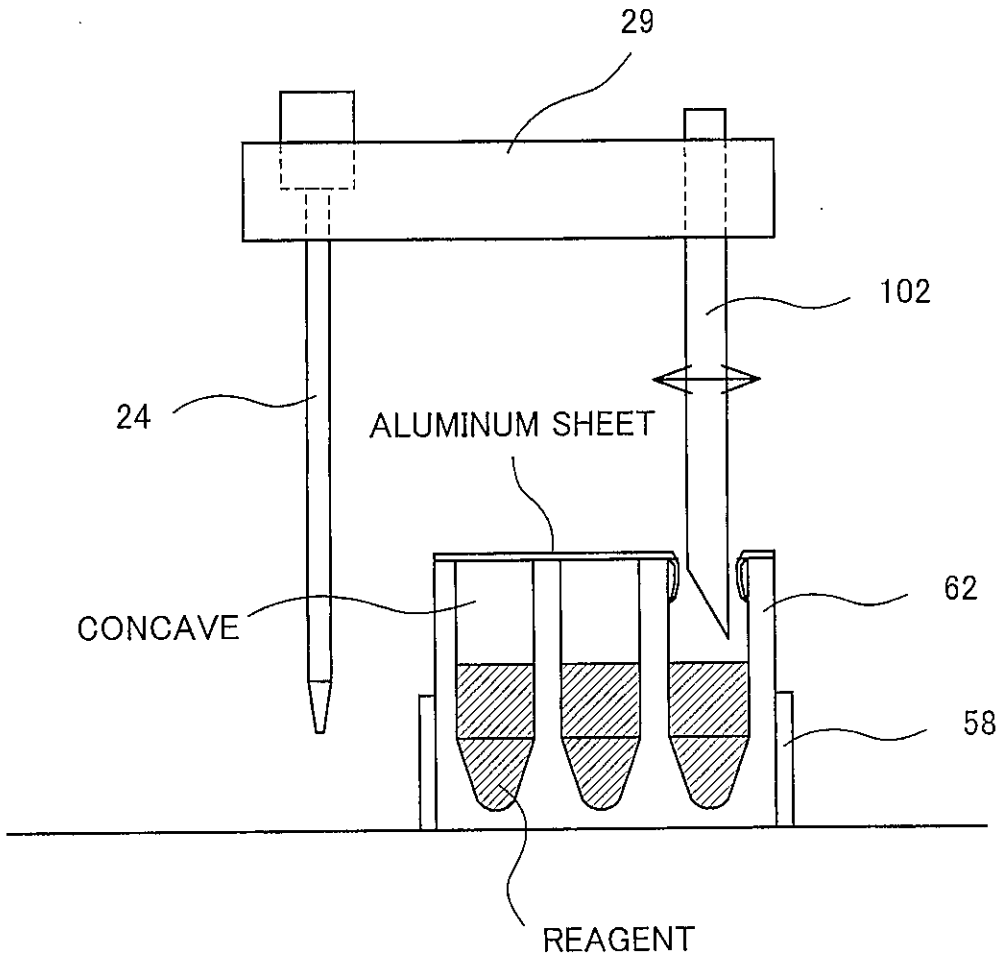


Fig. 10

