FIG. 1

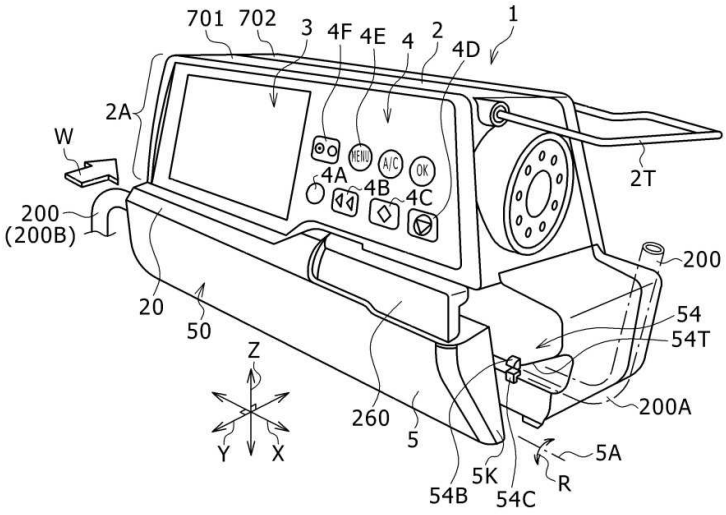

701
702
3
4F
4E
4
2
4D
1
2A
W
4A
4B
4C
2T
200
(200B)
200
20
50
54
54T
Z
Y
X
260
5
200A
5A
5K
R
54B
54C

FIG. 2

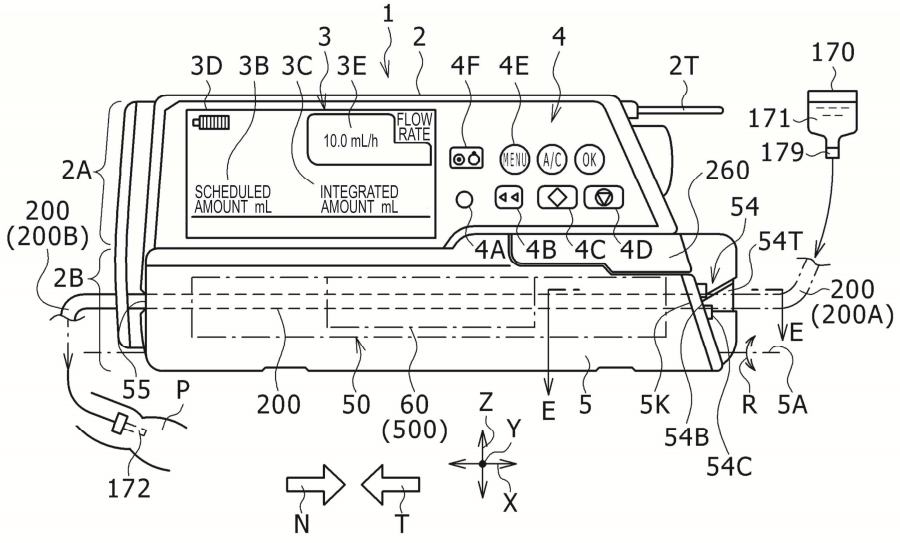

1
3
2
4
3D
3B
3C
3E
4F
4E
2T
170
171
179
FLOW RATE
10.0 mL/h
SCHEDULED AMOUNT mL
INTEGRATED AMOUNT mL
MENU
A/C
OK
2A
200
(200B)
2B
260
54
54T
4A
4B
4C
4D
200
(200A)
E
55
P
200
50
60
(500)
Z
Y
E
5
5K
R
5A
54B
54C
172
N
T
X

FIG. 3

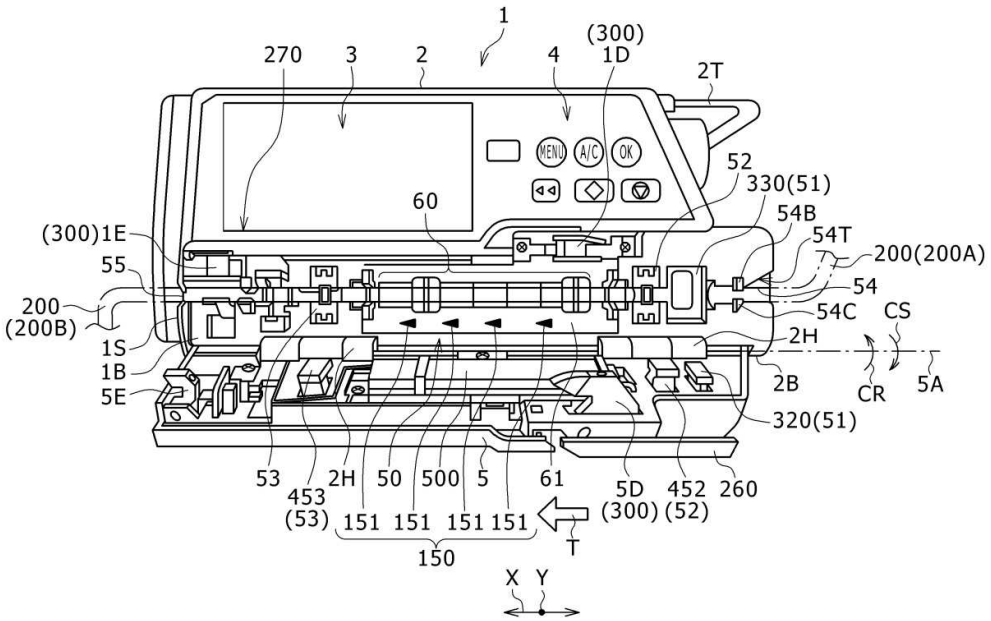

1
270
3
2
4
(300)
1D
2T
MENU
A/C
OK
52
330(51)
54B
54T
200(200A)
60
(300)1E
55
54
200
(200B)
54C
CS
1S
2H
1B
2B
CR
5A
5E
320(51)
53
453
(53)
2H
50
500
5
61
5D
(300)
452
(52)
260
151
151
151
151
150
T
X
Y

FIG. 4

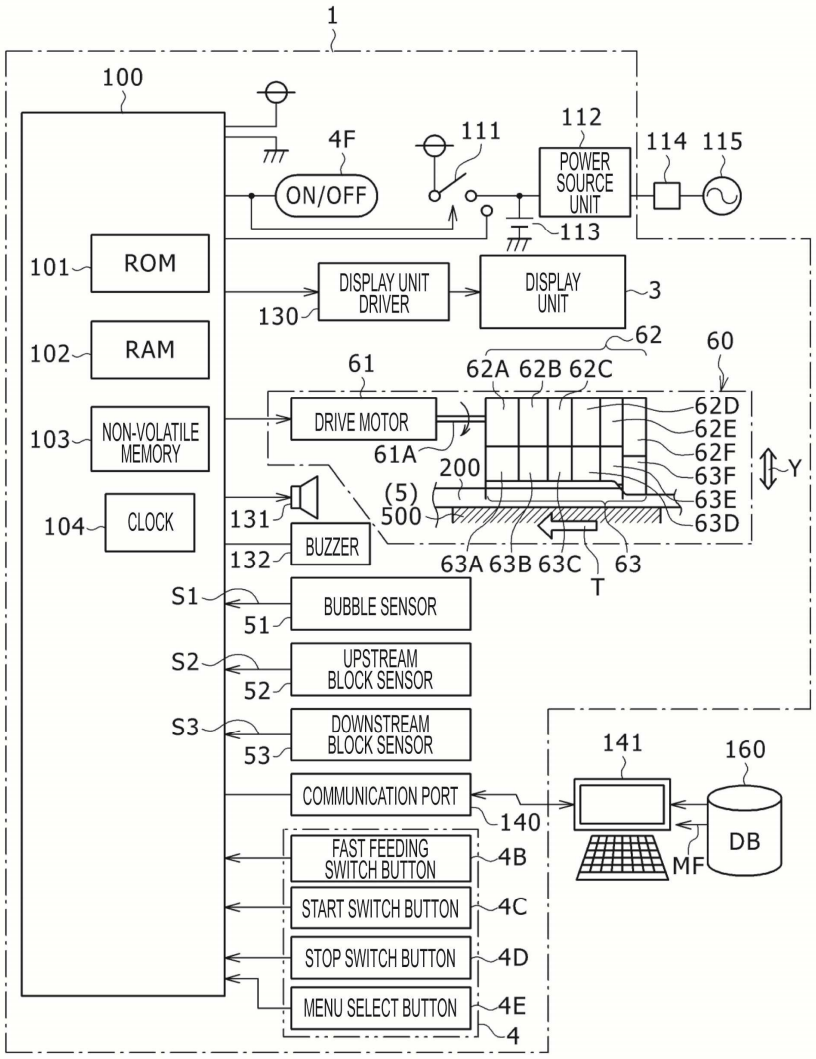

1
100
4F
ON/OFF
111
112
POWER SOURCE UNIT
114
115
113
101
ROM
102
RAM
103
NON-VOLATILE MEMORY
104
CLOCK
DISPLAY UNIT DRIVER
130
DISPLAY UNIT
3
62
60
61
62A 62B 62C
DRIVE MOTOR
61A
62D
62E
62F
63F
63E
63D
Y
200
(5)
500
131
BUZZER
132
63A 63B 63C
63
T
S1
BUBBLE SENSOR
51
S2
UPSTREAM BLOCK SENSOR
52
S3
DOWNSTREAM BLOCK SENSOR
53
141
160
COMMUNICATION PORT
140
MF
DB
FAST FEEDING SWITCH BUTTON
4B
START SWITCH BUTTON
4C
STOP SWITCH BUTTON
4D
MENU SELECT BUTTON
4E
4

FIG. 5

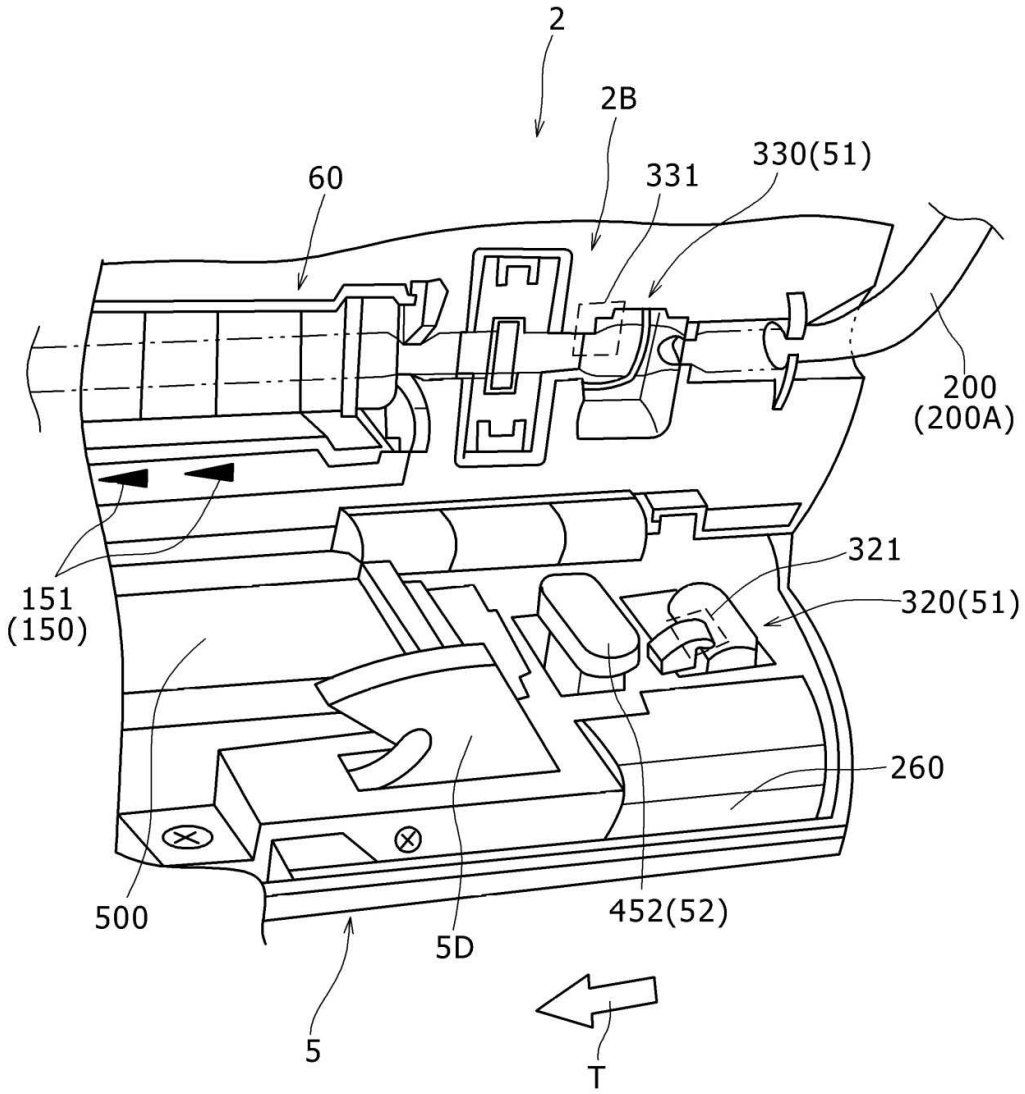


FIG. 6

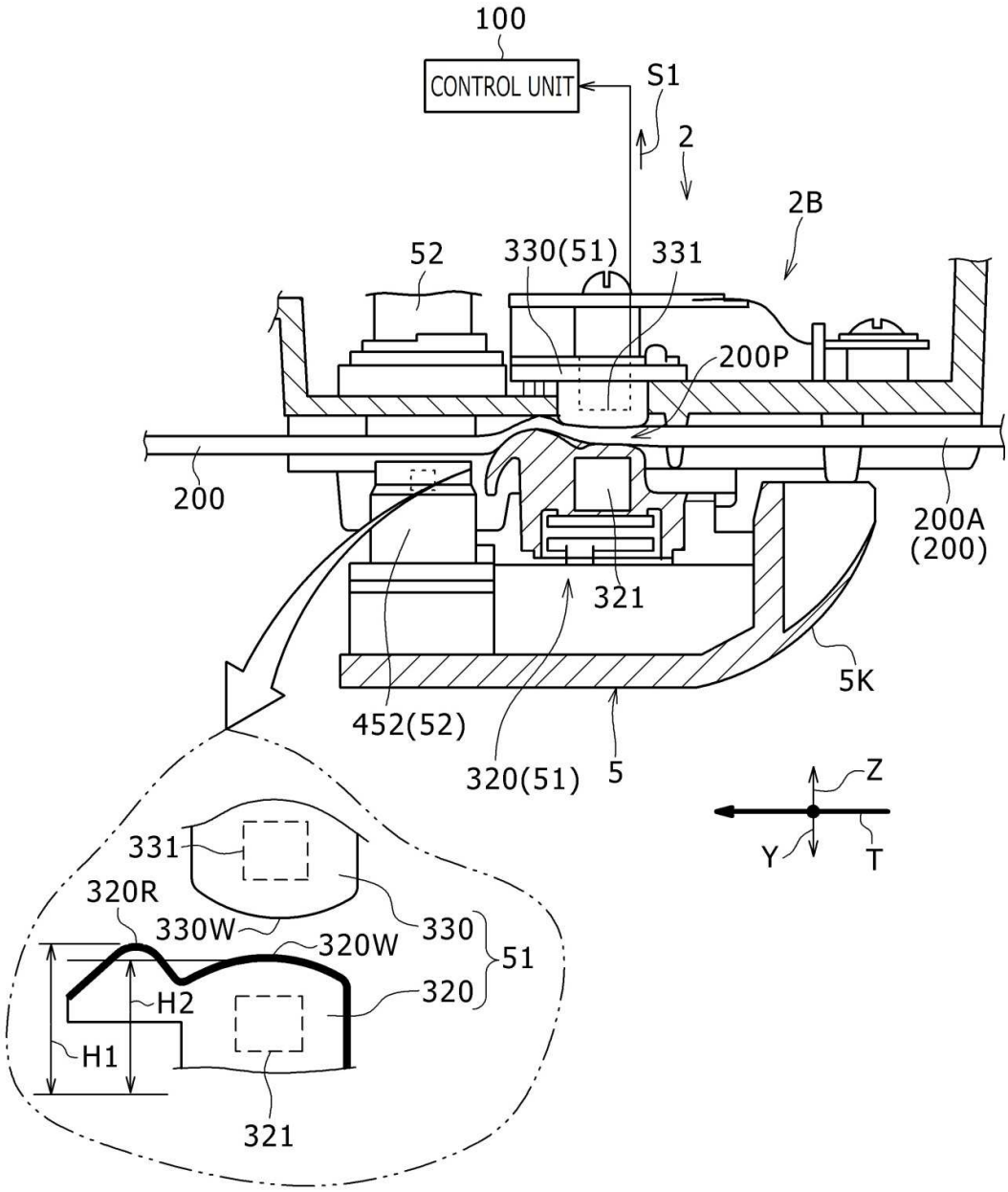

100
CONTROL UNIT
S1
2
2B
52
330(51)
331
200P
200
200A
(200)
321
5K
452(52)
320(51)
5
Z
Y
T
331
320R
330W
320W
330
51
320
H2
H1
321

FIG. 7

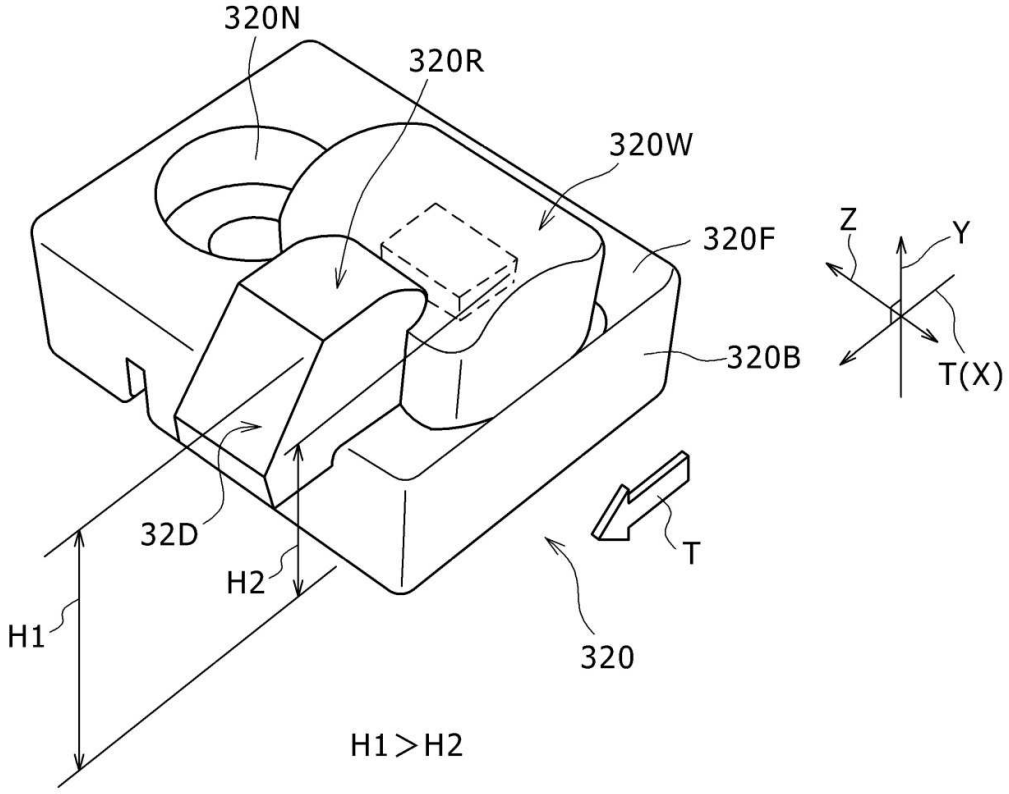
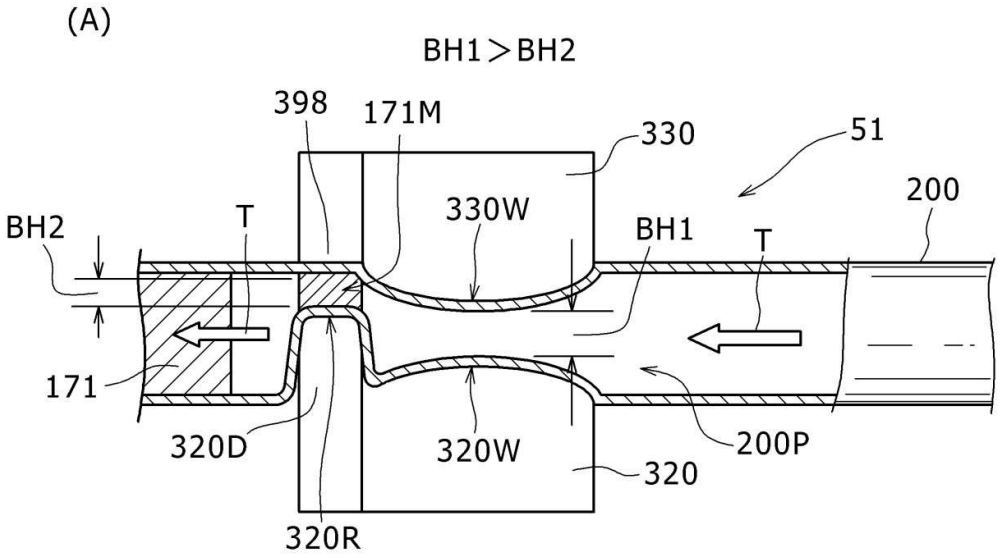
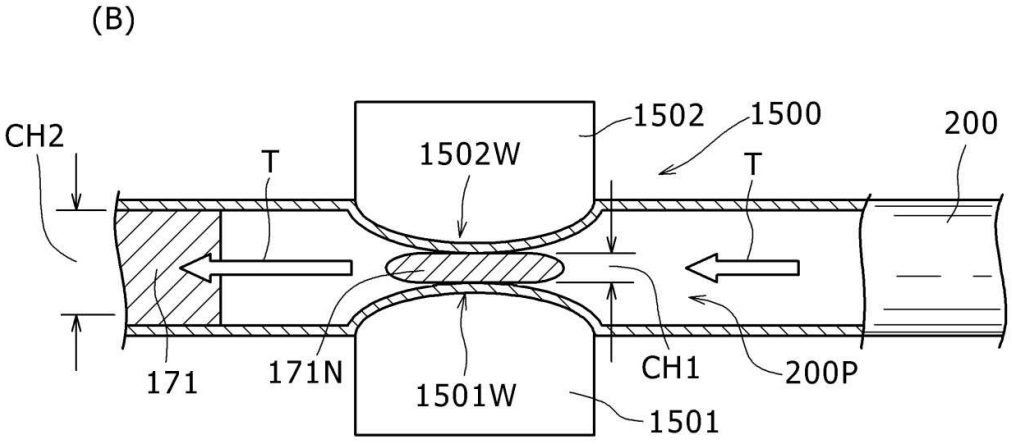


FIG. 8

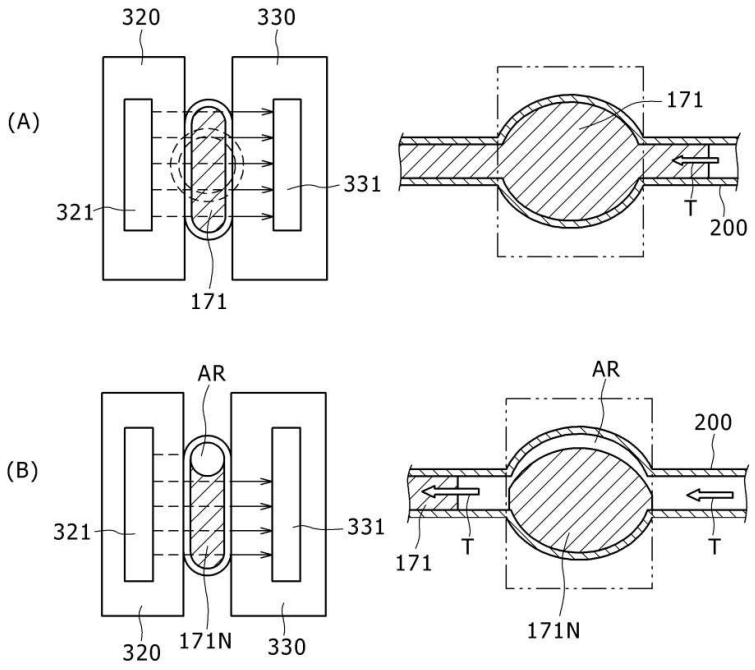


EMBODIMENT OF PRESENT INVENTION



COMPARATIVE EXAMPLE

FIG. 9


(A)
320
330
321
331
171
171
T
200
(B)
AR
321
331
320
171N
330
AR
200
171
T
T
171N