FIG.1

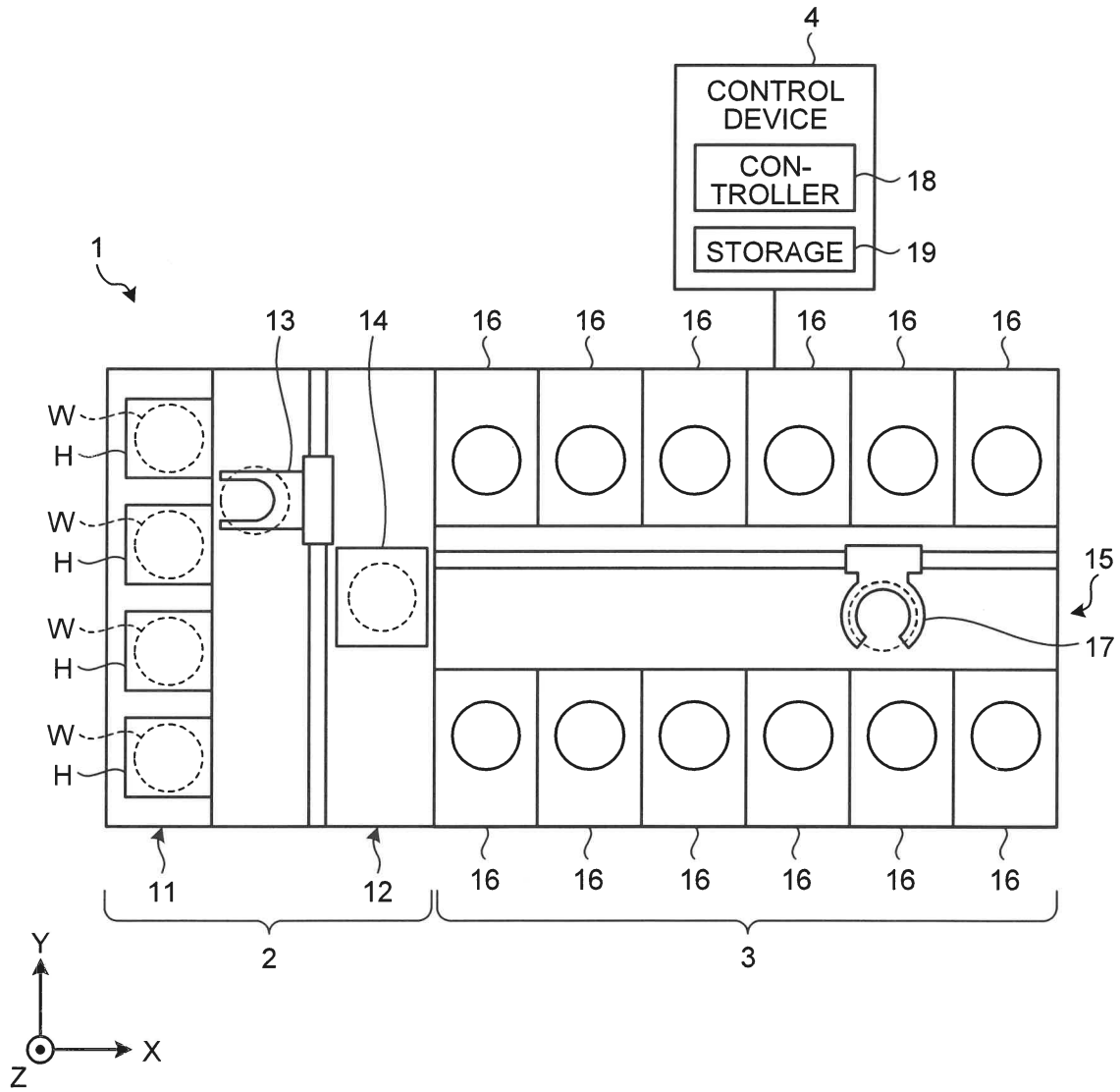

4
CONTROL DEVICE
CON-TROLLER
18
STORAGE
19
1
13
14
16
16
16
16
16
16
W
H
W
H
W
H
W
H
15
17
11
12
16
16
16
16
16
16
2
3
Y
X
Z

FIG.2

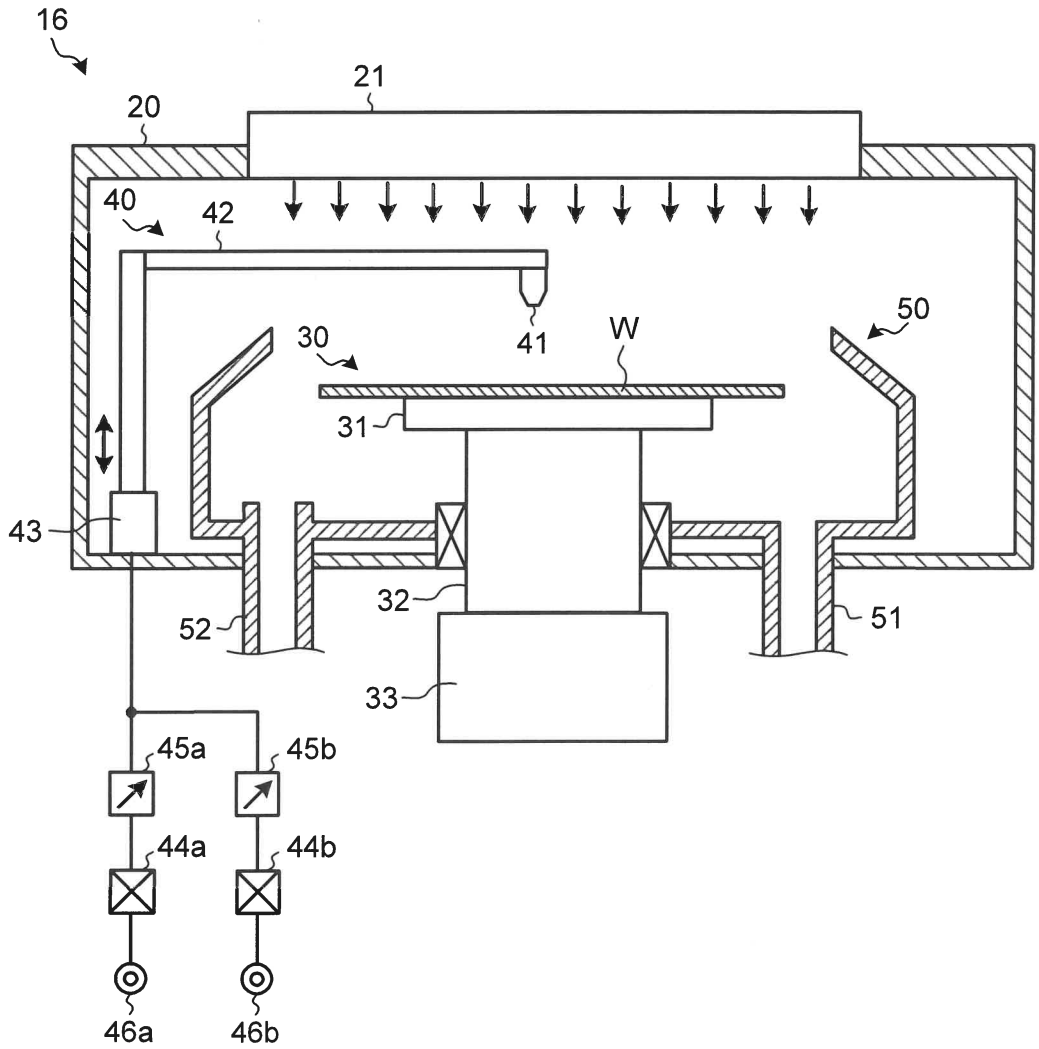


FIG.3

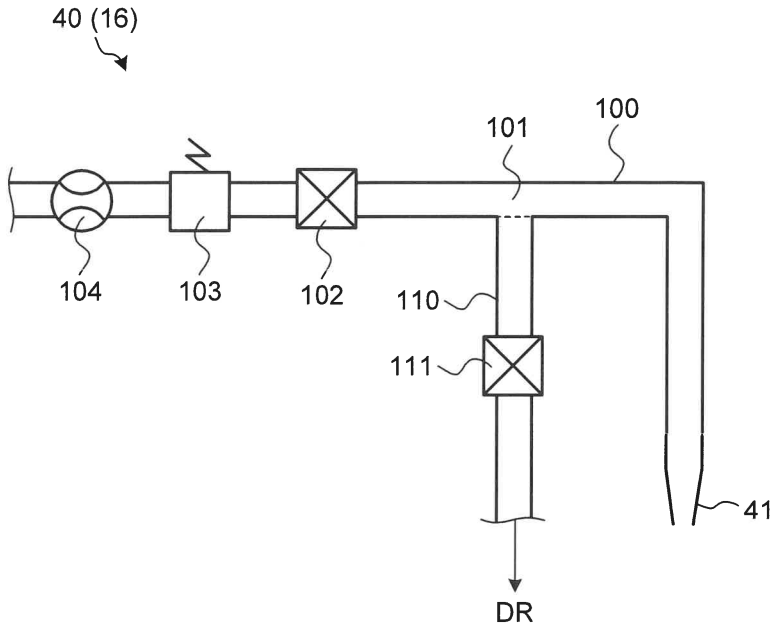

40 (16)
101
100
104
103
102
110
111
41
DR

FIG.4

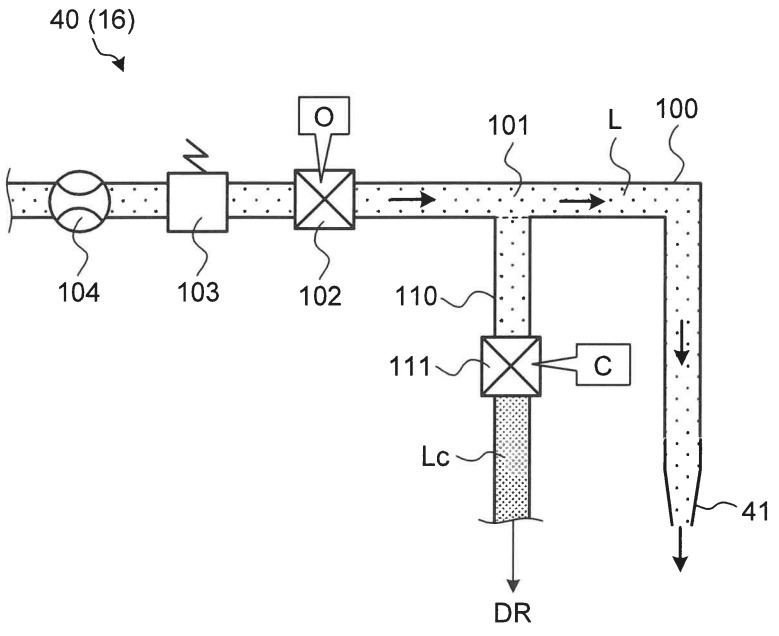

40 (16)
O
101
L
100
104
103
102
110
111
C
Lc
41
DR

FIG.5

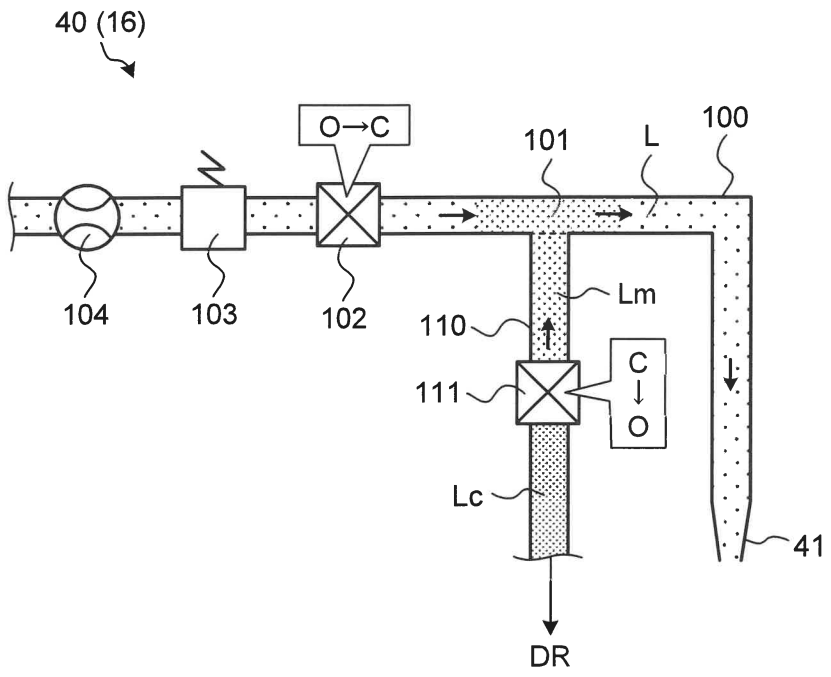

40 (16)
O→C
101
L
100
104
103
102
Lm
110
111
C
↓
O
Lc
41
DR

FIG.6

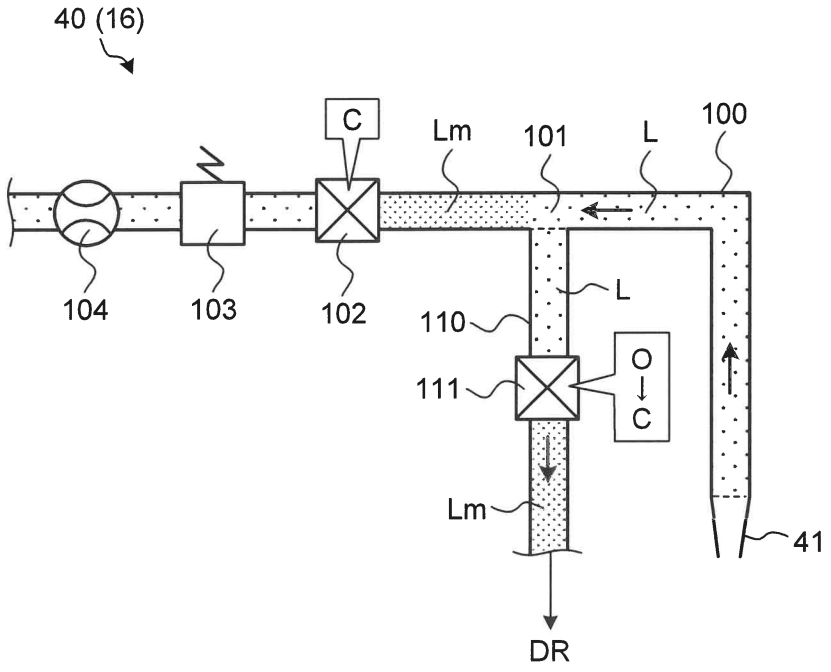

40 (16)
C
Lm
101
L
100
104
103
102
L
110
111
O
↓
C
Lm
41
DR

FIG.7

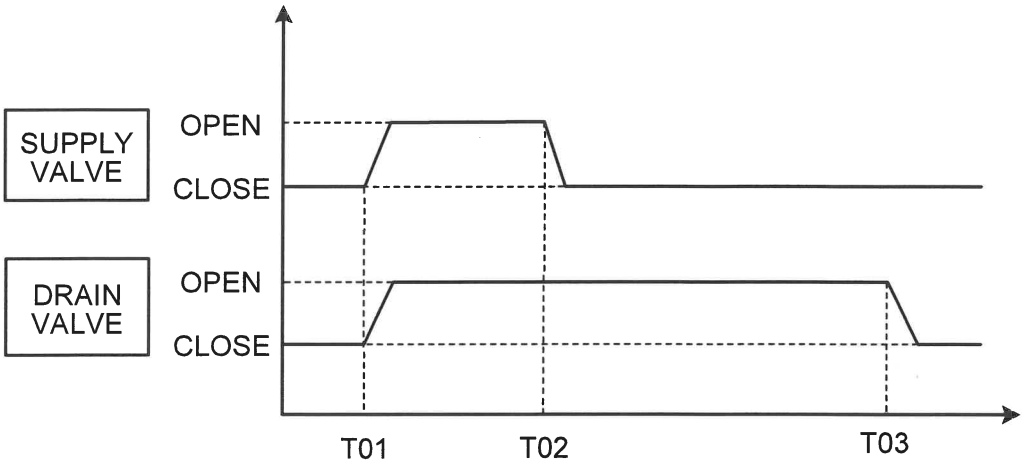

SUPPLY VALVE
OPEN
CLOSE
DRAIN VALVE
OPEN
CLOSE
T01
T02
T03

FIG.8

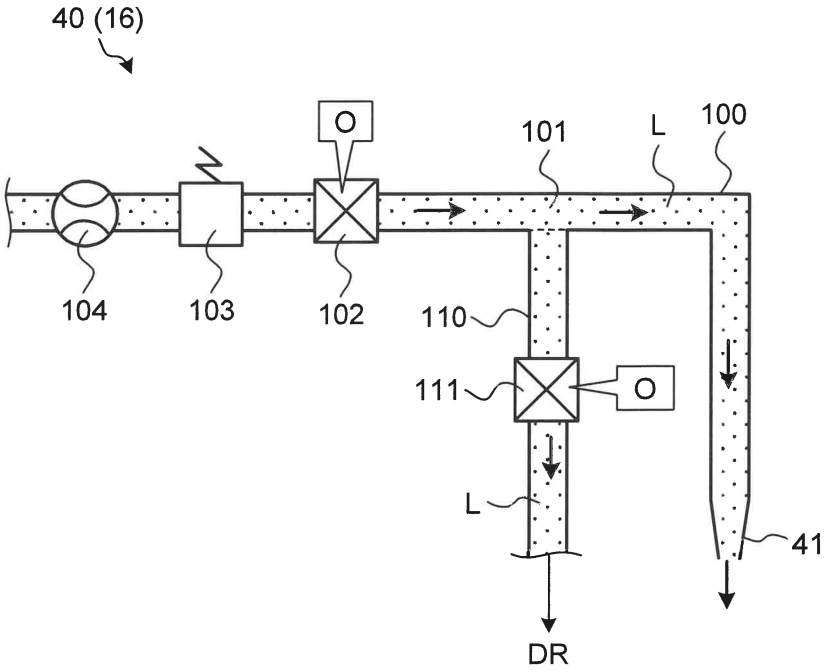

40 (16)
O
101
L
100
104
103
102
110
111
O
L
41
DR

FIG.9

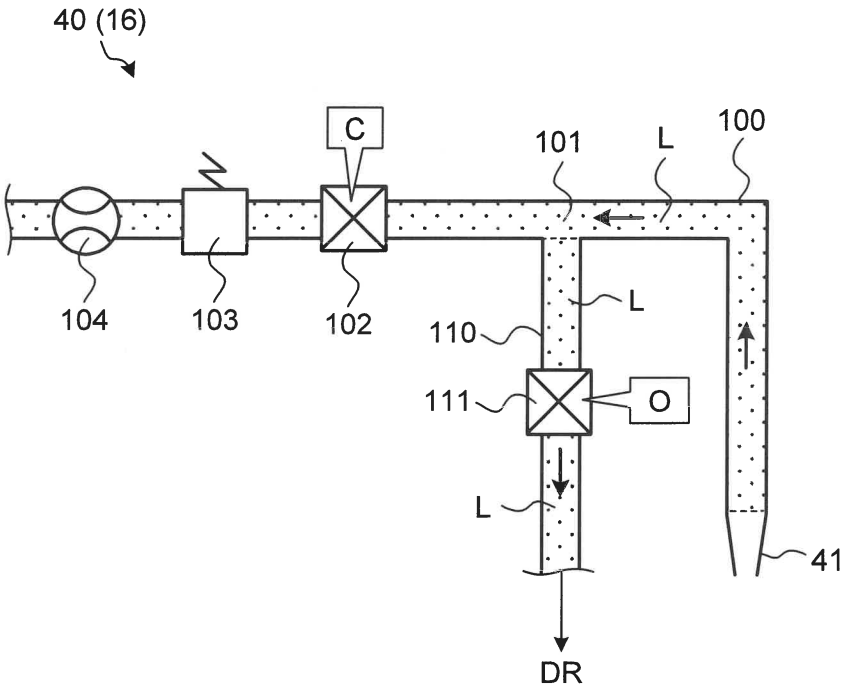

40 (16)
C
101
L
100
104
103
102
110
L
111
O
L
41
DR

FIG.10

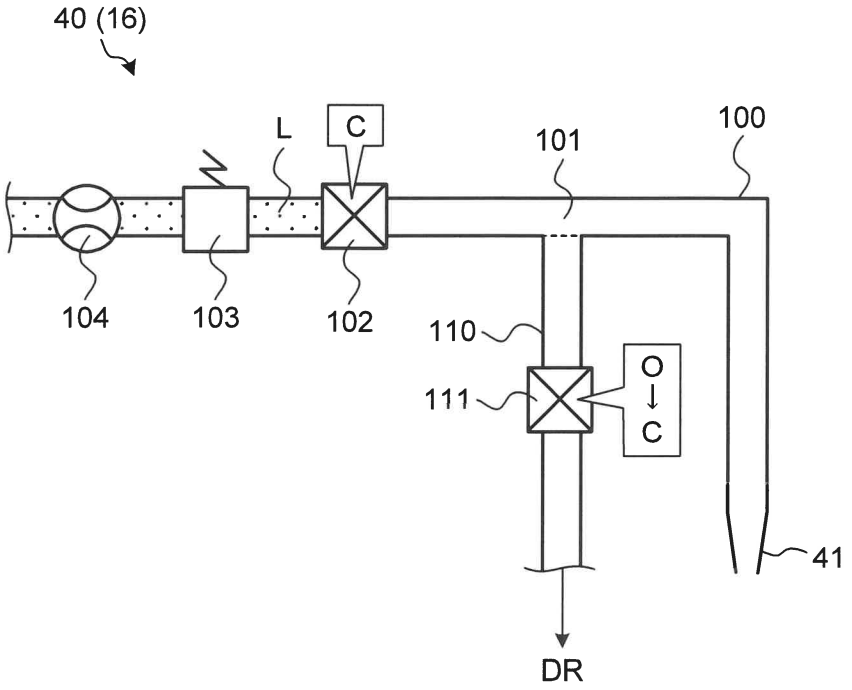

40 (16)
L
C
101
100
104
103
102
110
111
O
C
41
DR

FIG.11

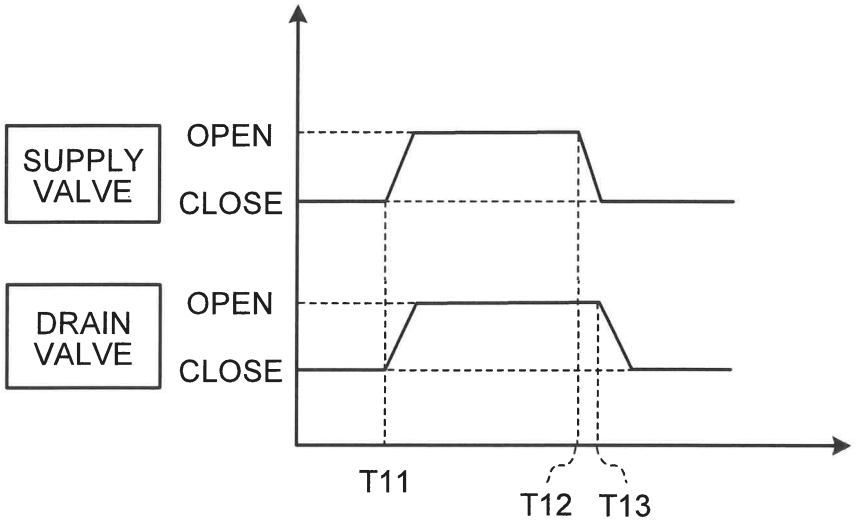

SUPPLY VALVE
OPEN
CLOSE
DRAIN VALVE
OPEN
CLOSE
T11
T12
T13

FIG.12

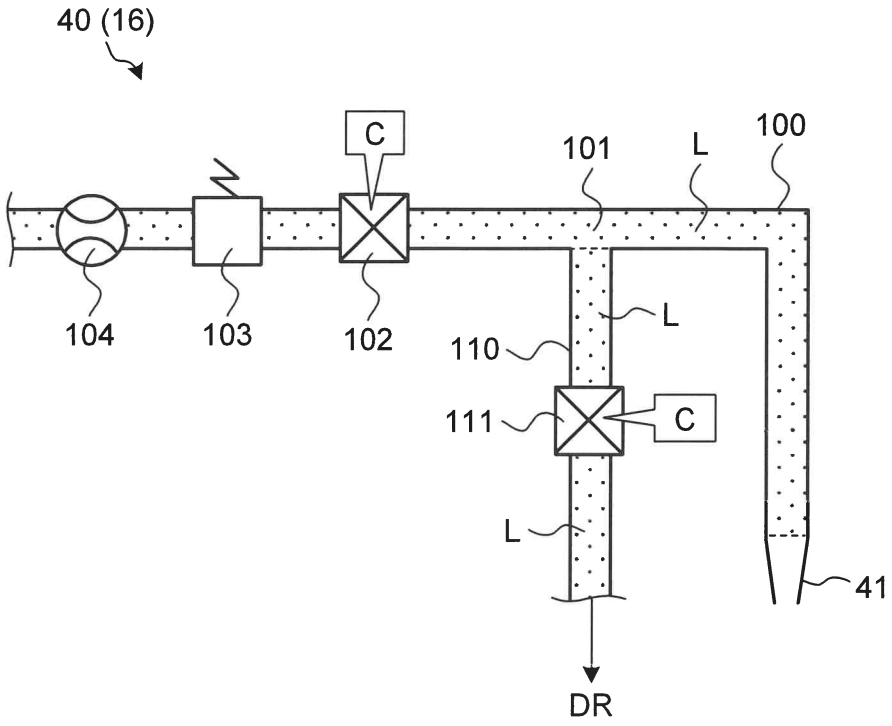

40 (16)
C
101
L
100
104
103
102
110
L
111
C
L
41
DR

FIG.13

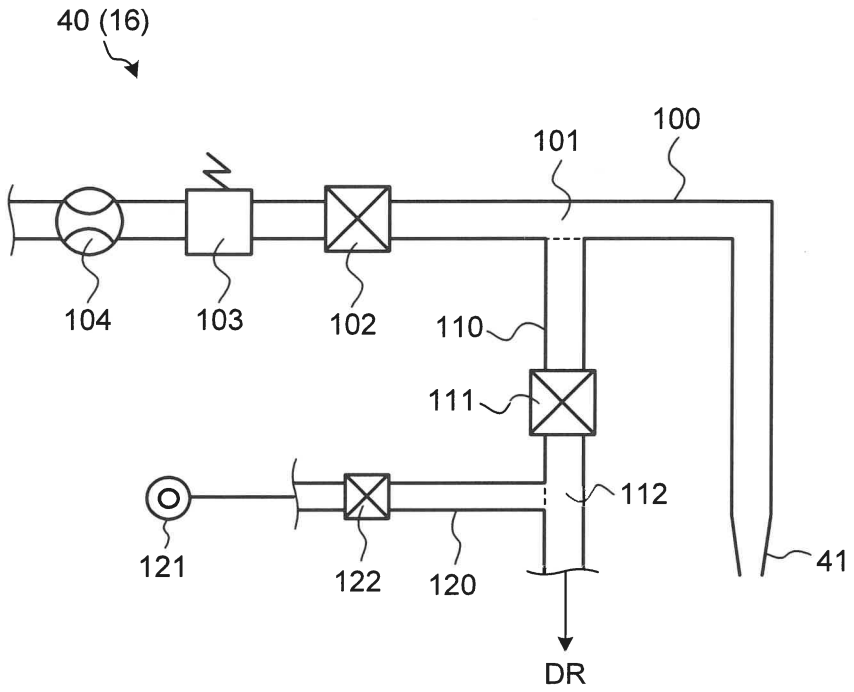

40 (16)
101
100
104
103
102
110
111
112
121
122
120
41
DR

FIG.14

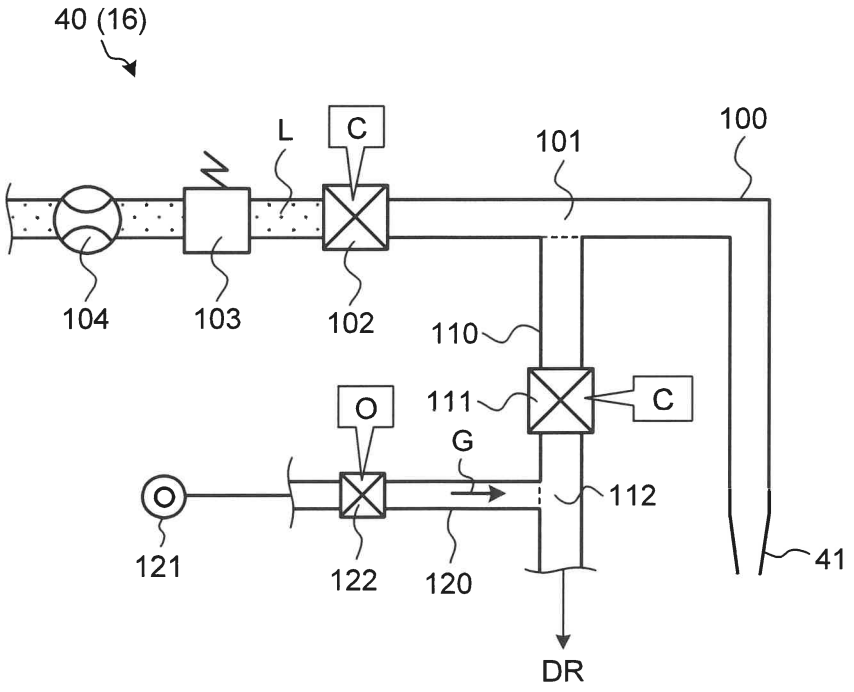

40 (16)
L
C
101
100
104
103
102
110
O
111
C
G
112
121
122
120
41
DR

FIG.15

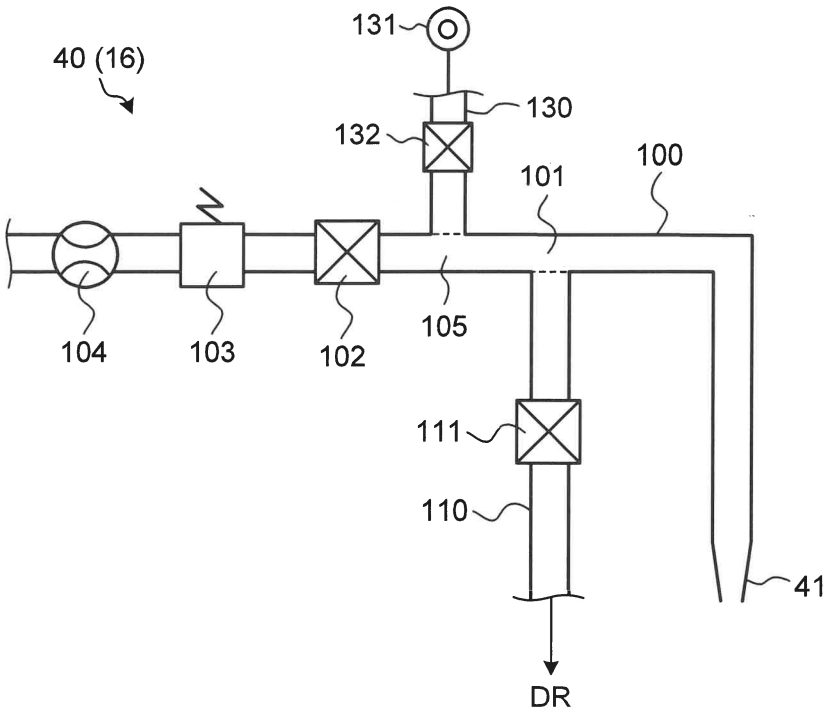

131
40 (16)
130
132
100
101
104
103
102
105
111
110
41
DR

FIG.16

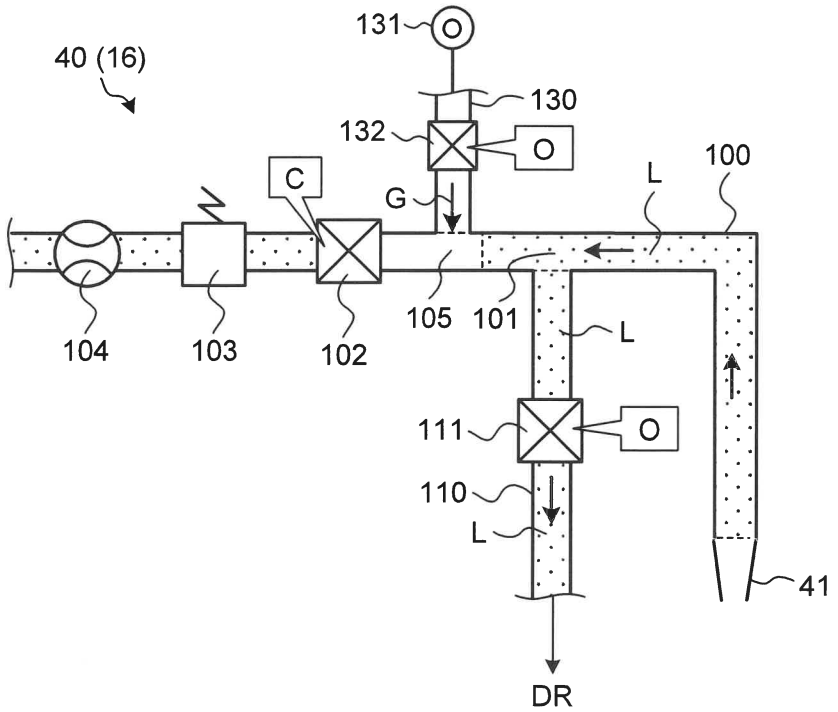

131
40 (16)
130
132
O
C
G
L
100
104
103
102
105
101
L
111
O
110
L
41
DR

FIG.17

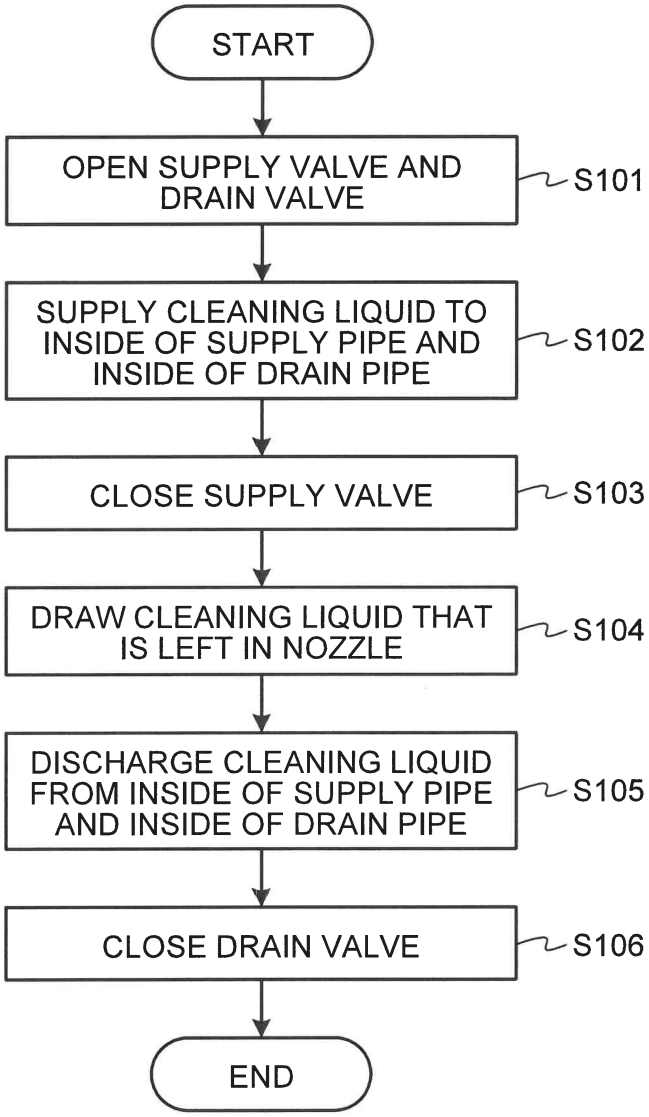

START
OPEN SUPPLY VALVE AND DRAIN VALVE
S101
SUPPLY CLEANING LIQUID TO INSIDE OF SUPPLY PIPE AND INSIDE OF DRAIN PIPE
S102
CLOSE SUPPLY VALVE
S103
DRAW CLEANING LIQUID THAT IS LEFT IN NOZZLE
S104
DISCHARGE CLEANING LIQUID FROM INSIDE OF SUPPLY PIPE AND INSIDE OF DRAIN PIPE
S105
CLOSE DRAIN VALVE
S106
END

FIG.18

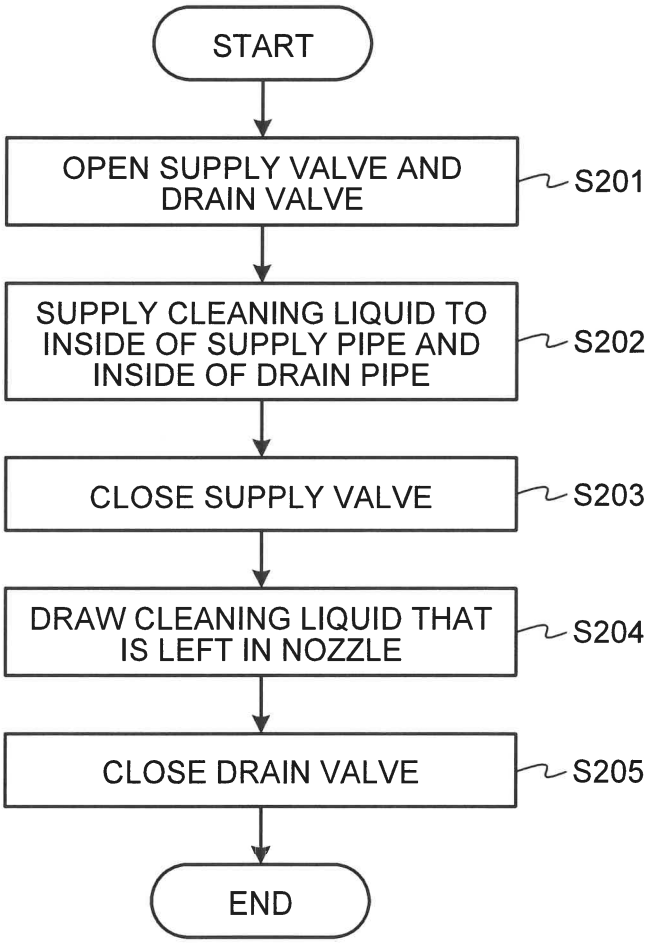

START
OPEN SUPPLY VALVE AND DRAIN VALVE
S201
SUPPLY CLEANING LIQUID TO INSIDE OF SUPPLY PIPE AND INSIDE OF DRAIN PIPE
S202
CLOSE SUPPLY VALVE
S203
DRAW CLEANING LIQUID THAT IS LEFT IN NOZZLE
S204
CLOSE DRAIN VALVE
S205
END

FIG.19

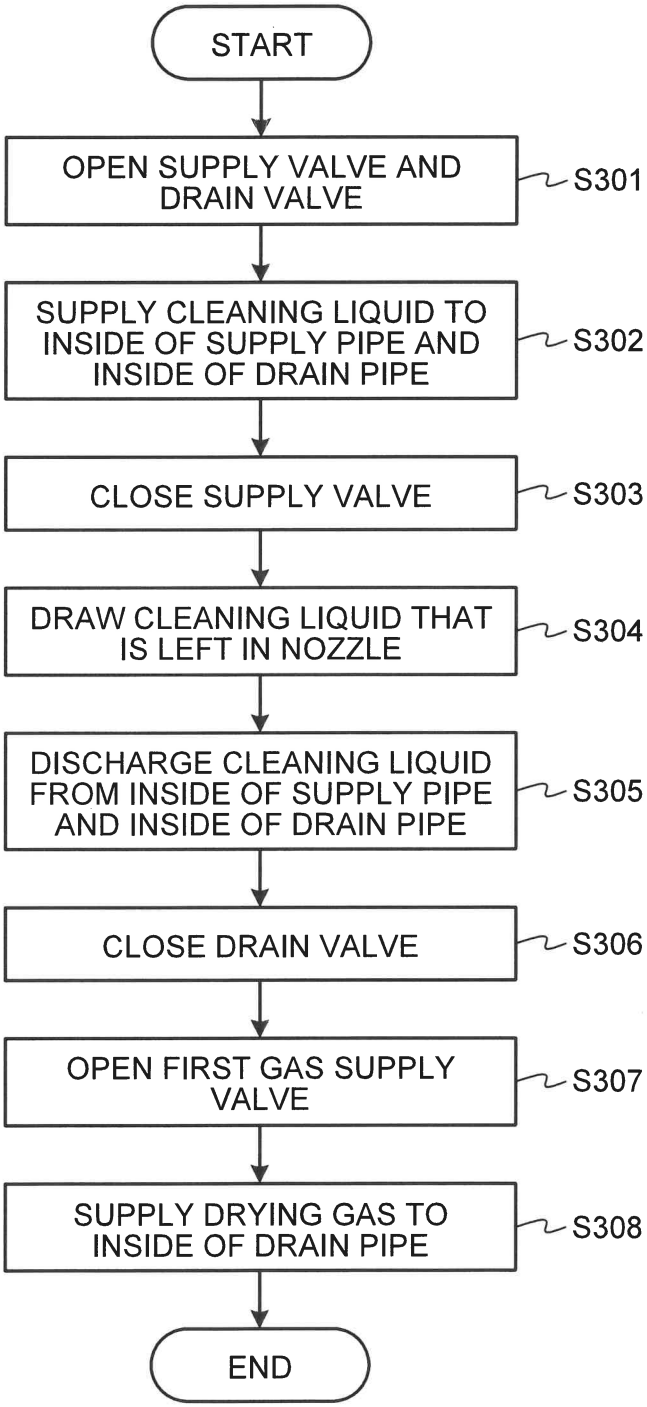
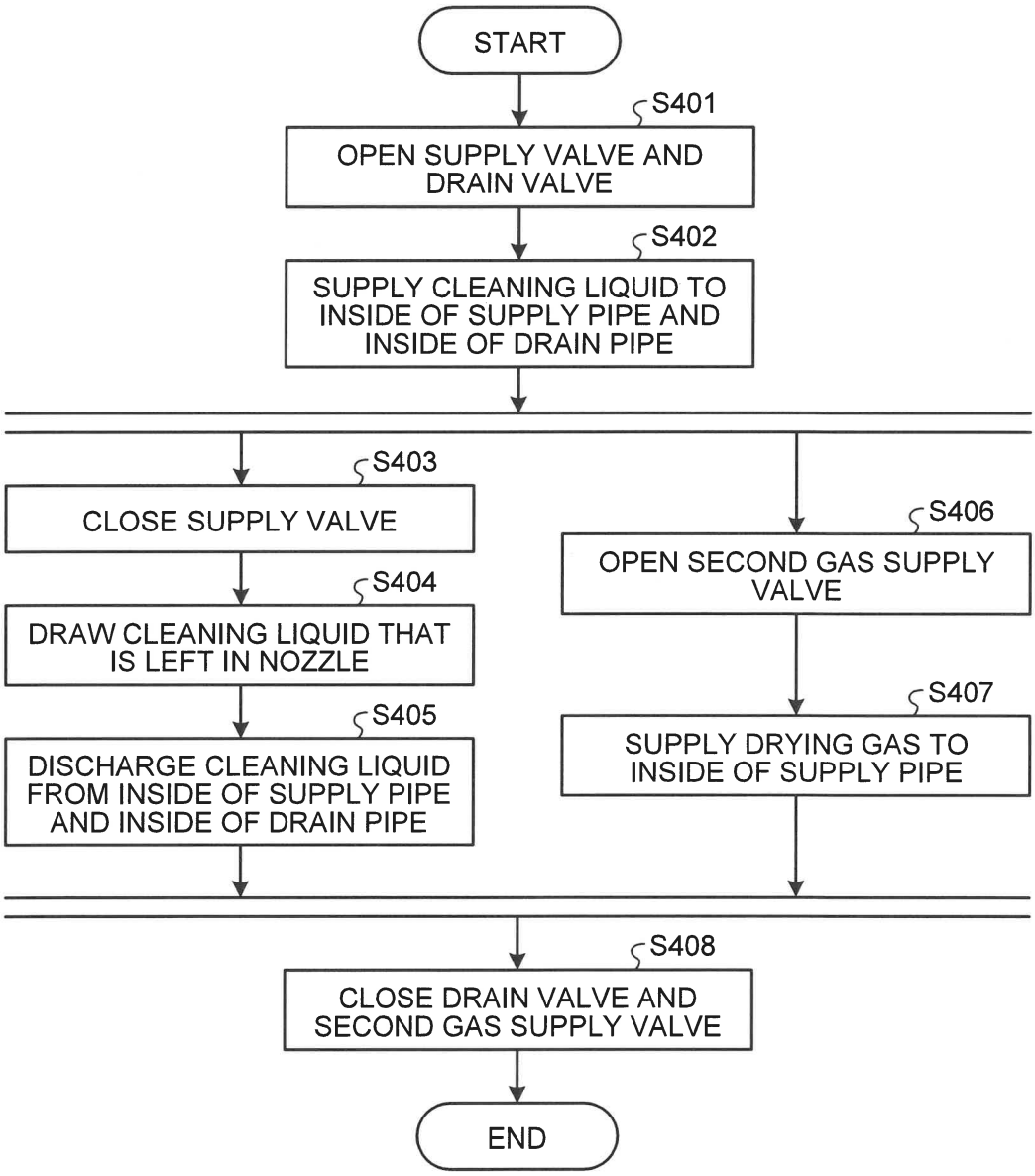

START
OPEN SUPPLY VALVE AND DRAIN VALVE
S301
SUPPLY CLEANING LIQUID TO INSIDE OF SUPPLY PIPE AND INSIDE OF DRAIN PIPE
S302
CLOSE SUPPLY VALVE
S303
DRAW CLEANING LIQUID THAT IS LEFT IN NOZZLE
S304
DISCHARGE CLEANING LIQUID FROM INSIDE OF SUPPLY PIPE AND INSIDE OF DRAIN PIPE
S305
CLOSE DRAIN VALVE
S306
OPEN FIRST GAS SUPPLY VALVE
S307
SUPPLY DRYING GAS TO INSIDE OF DRAIN PIPE
S308
END

FIG.20


START
S401
OPEN SUPPLY VALVE AND DRAIN VALVE
S402
SUPPLY CLEANING LIQUID TO INSIDE OF SUPPLY PIPE AND INSIDE OF DRAIN PIPE
S403
CLOSE SUPPLY VALVE
S404
DRAW CLEANING LIQUID THAT IS LEFT IN NOZZLE
S405
DISCHARGE CLEANING LIQUID FROM INSIDE OF SUPPLY PIPE AND INSIDE OF DRAIN PIPE
S406
OPEN SECOND GAS SUPPLY VALVE
S407
SUPPLY DRYING GAS TO INSIDE OF SUPPLY PIPE
S408
CLOSE DRAIN VALVE AND SECOND GAS SUPPLY VALVE
END