Fig. 1

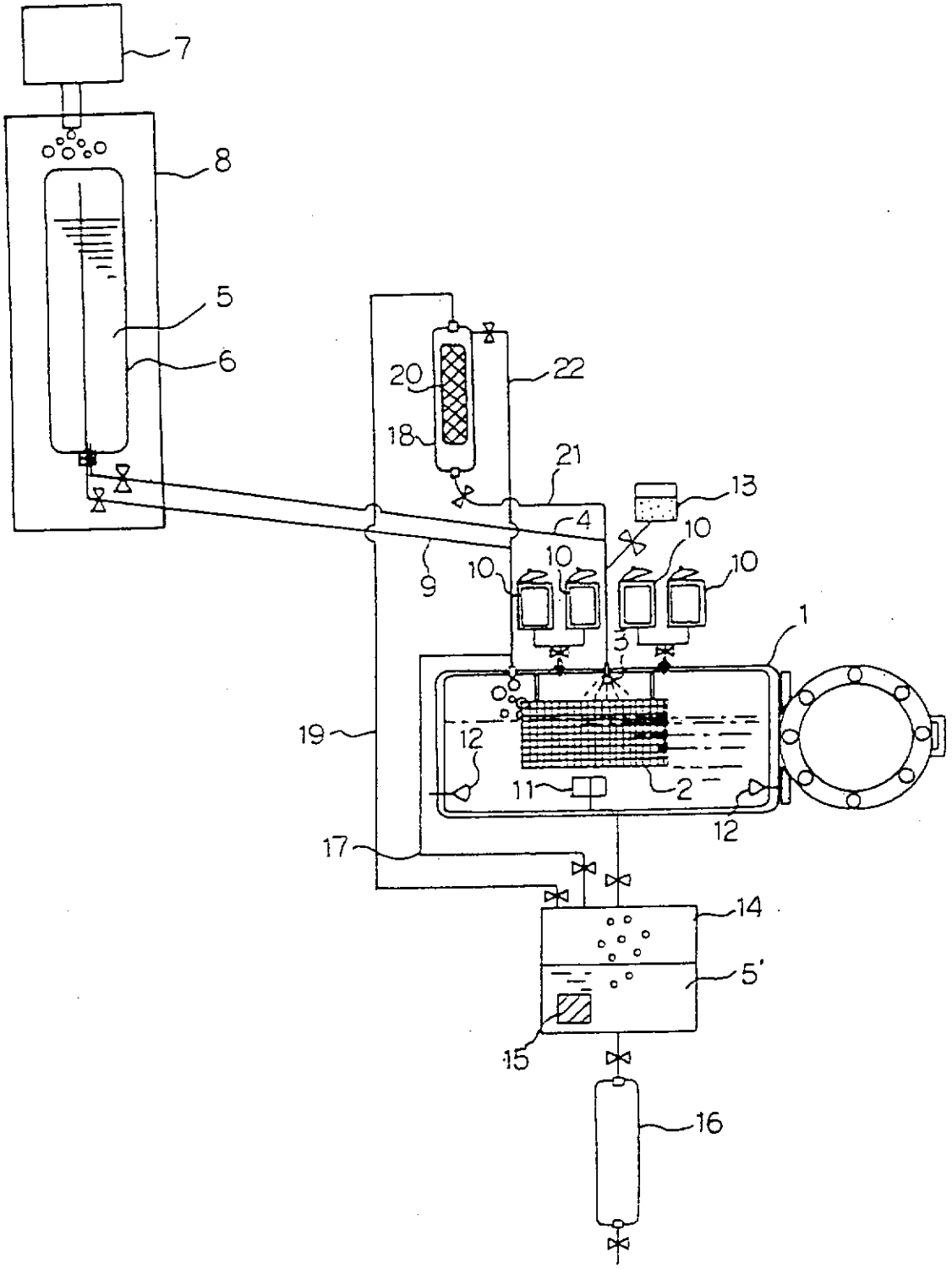


Fig. 2

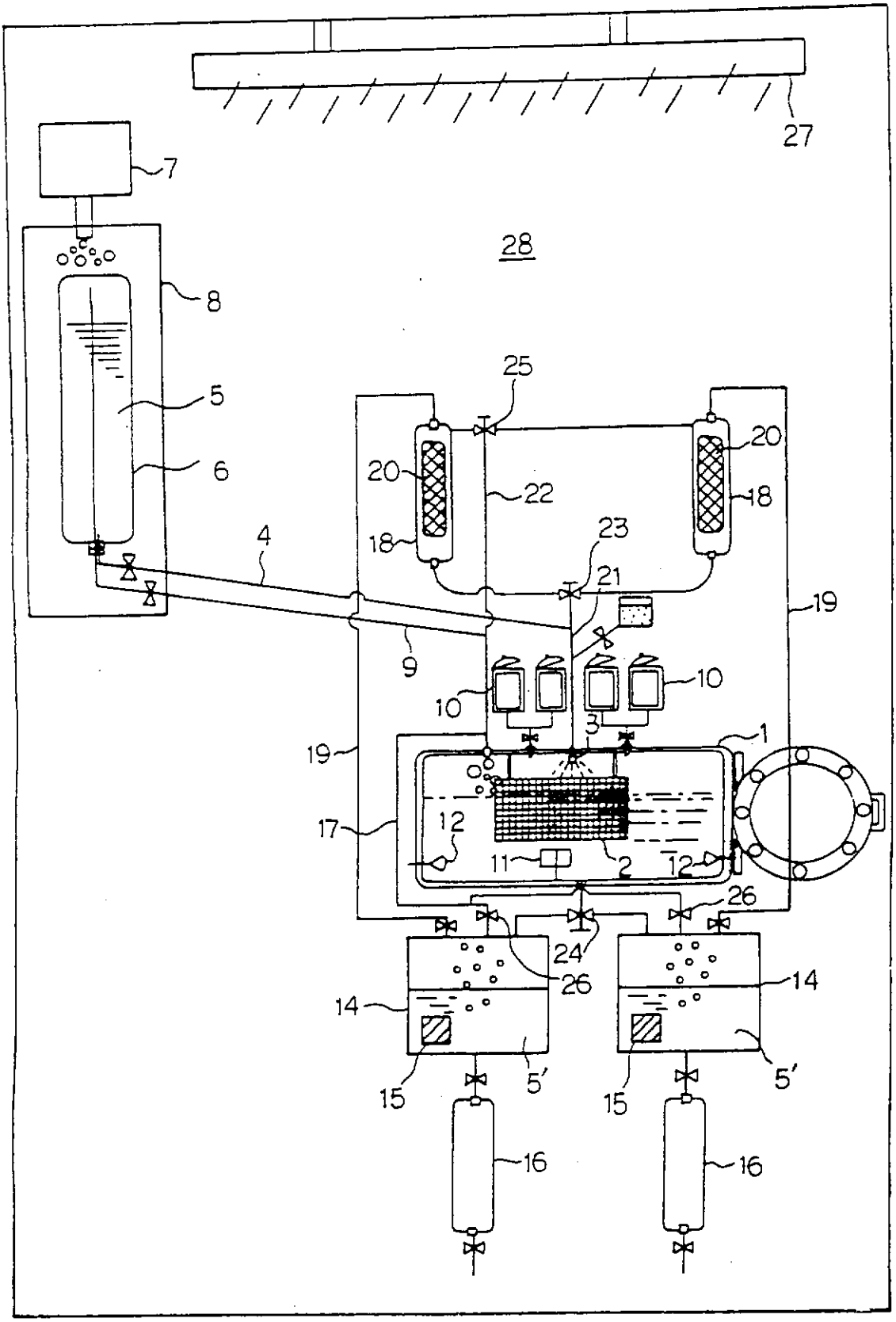
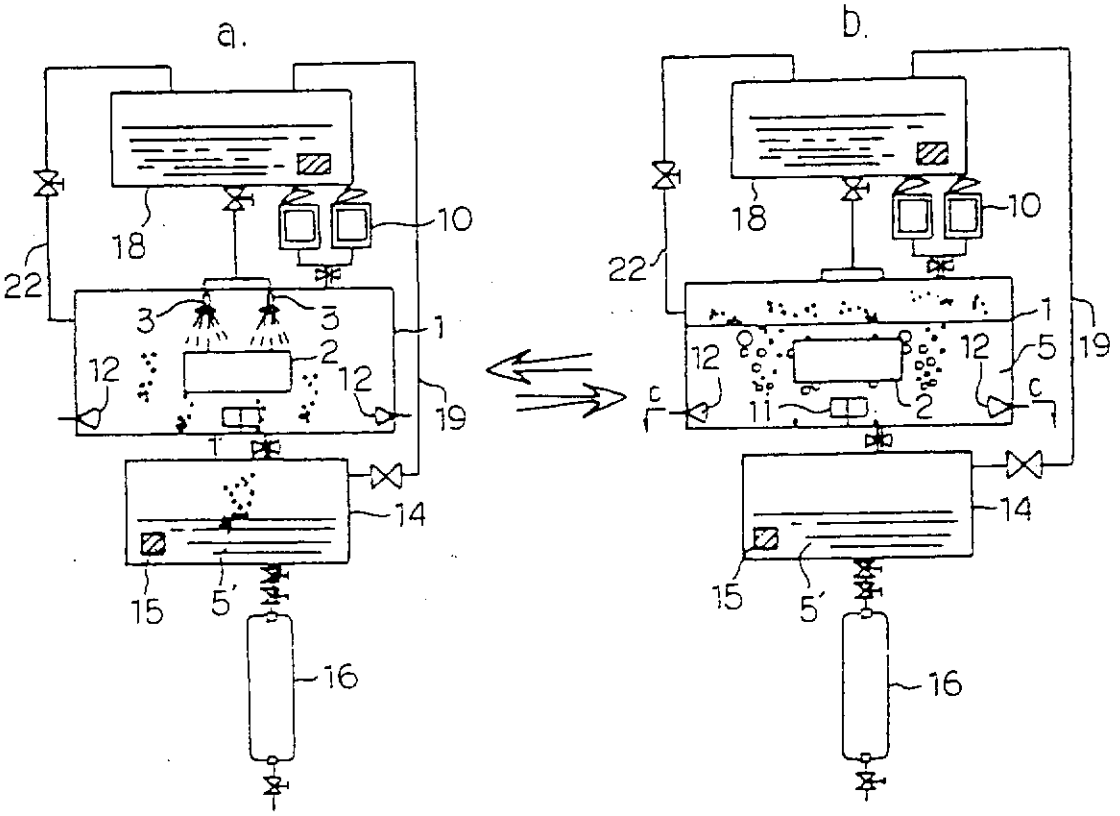


Fig. 3


a.
b.
18
10
22
3
3
1
2
12
12
19
14
15
5'
16
18
10
22
1
19
12
12
5
c
c
11
2
14
15
5'
16

C.

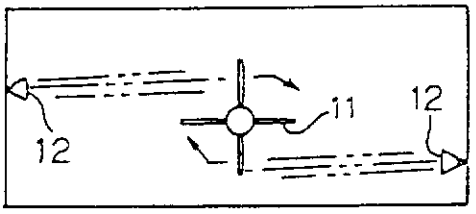
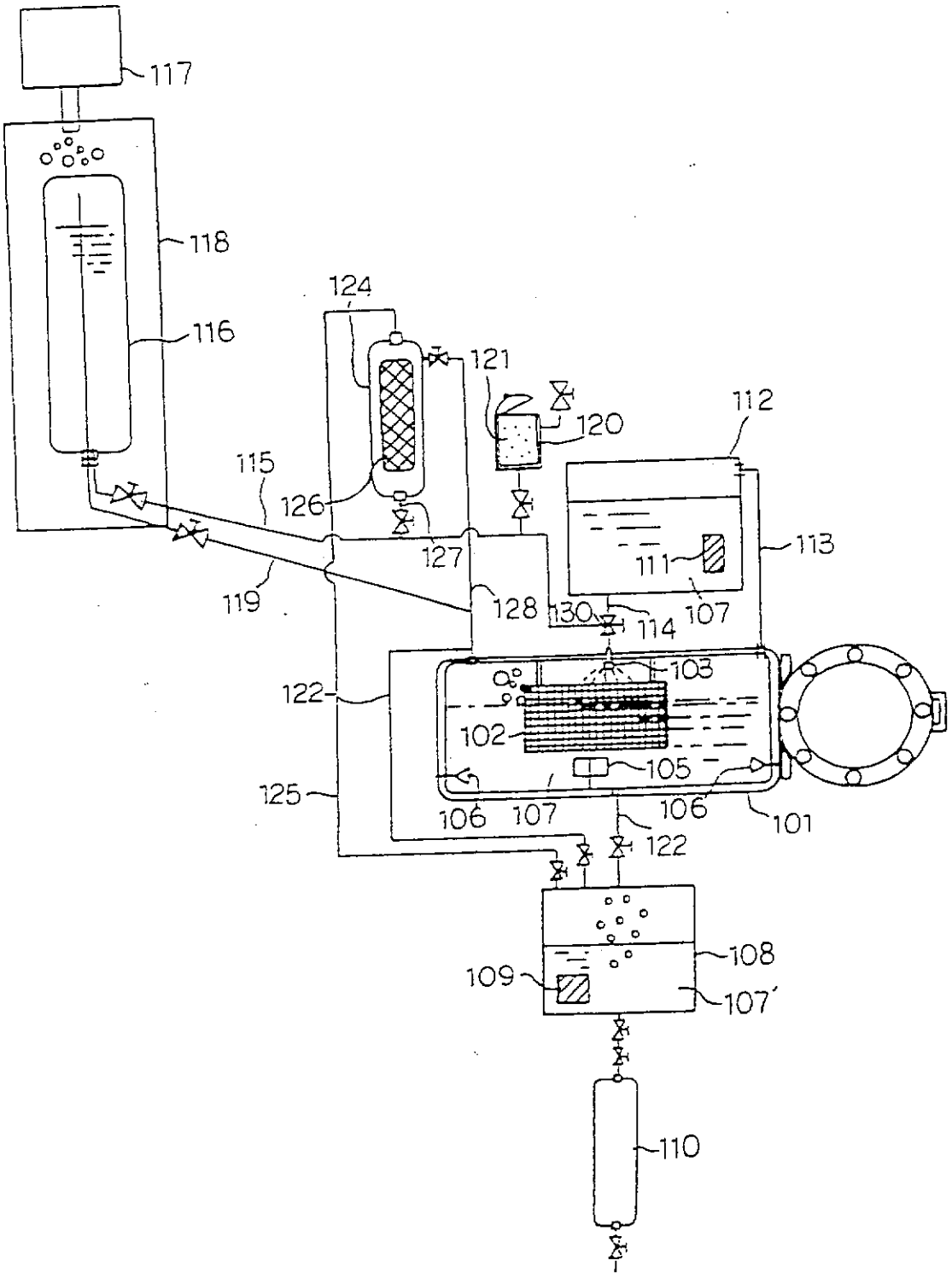

12
11
12

Fig. 4


117
118
116
124
121
120
112
115
126
127
113
111
119
128
130
114
107
103
122
102
105
125
106
107
106
101
122
108
109
107'
110

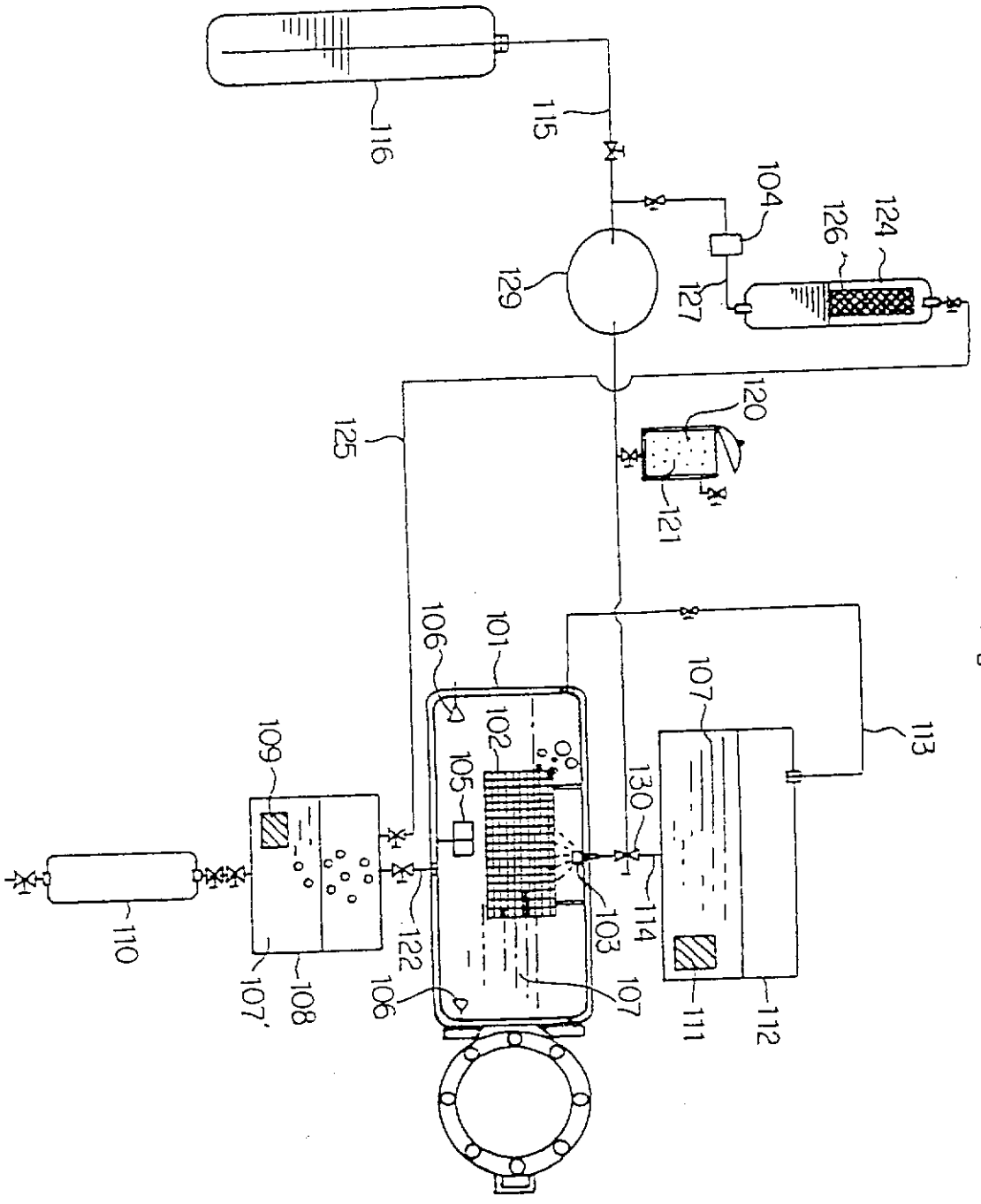
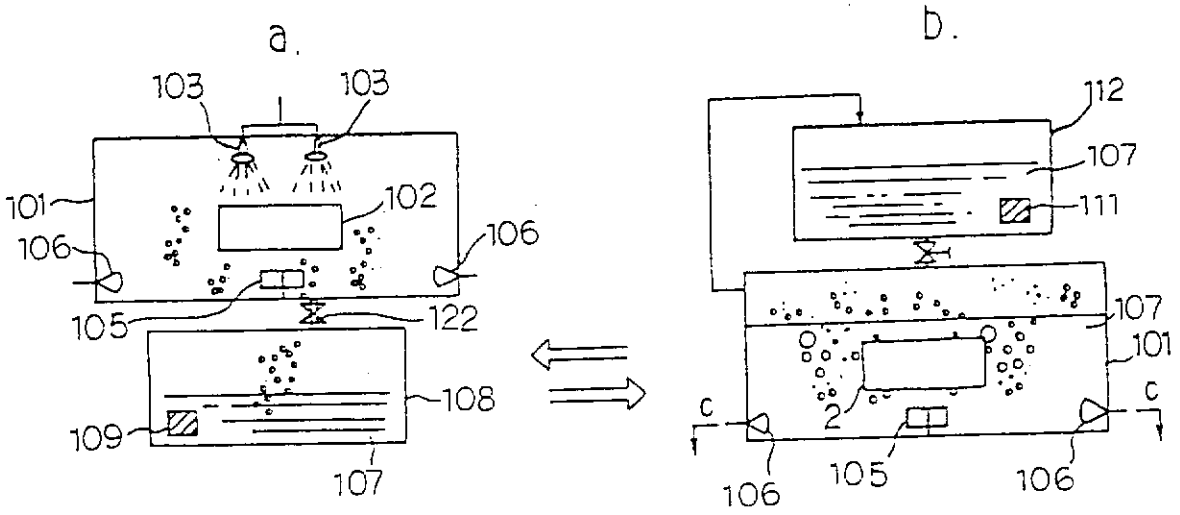

116
115
104
124
126
129
127
120
125
121
101
106
107
113
102
105
130
109
103
114
110
122
107
111
112
107'
108
106

Fig. 5

Fig. 6


a.
b.
103
103
101
102
106
106
105
122
108
109
107
112
107
111
107
101
2
c
c
106
105
106

c.

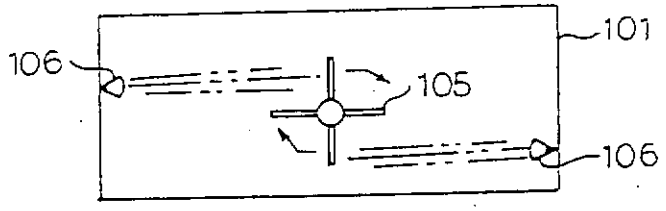
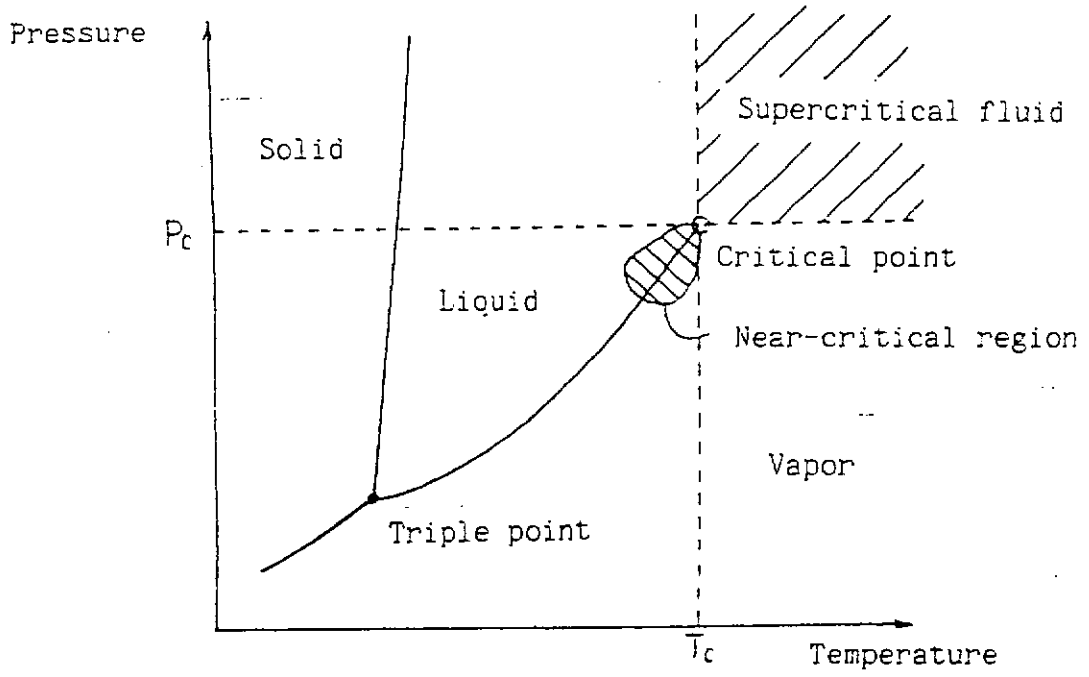

101
106
105
106

Fig. 7



State diagram for a pure component showing supercritical fluid & near-critical fluid regions.