Fig. 1

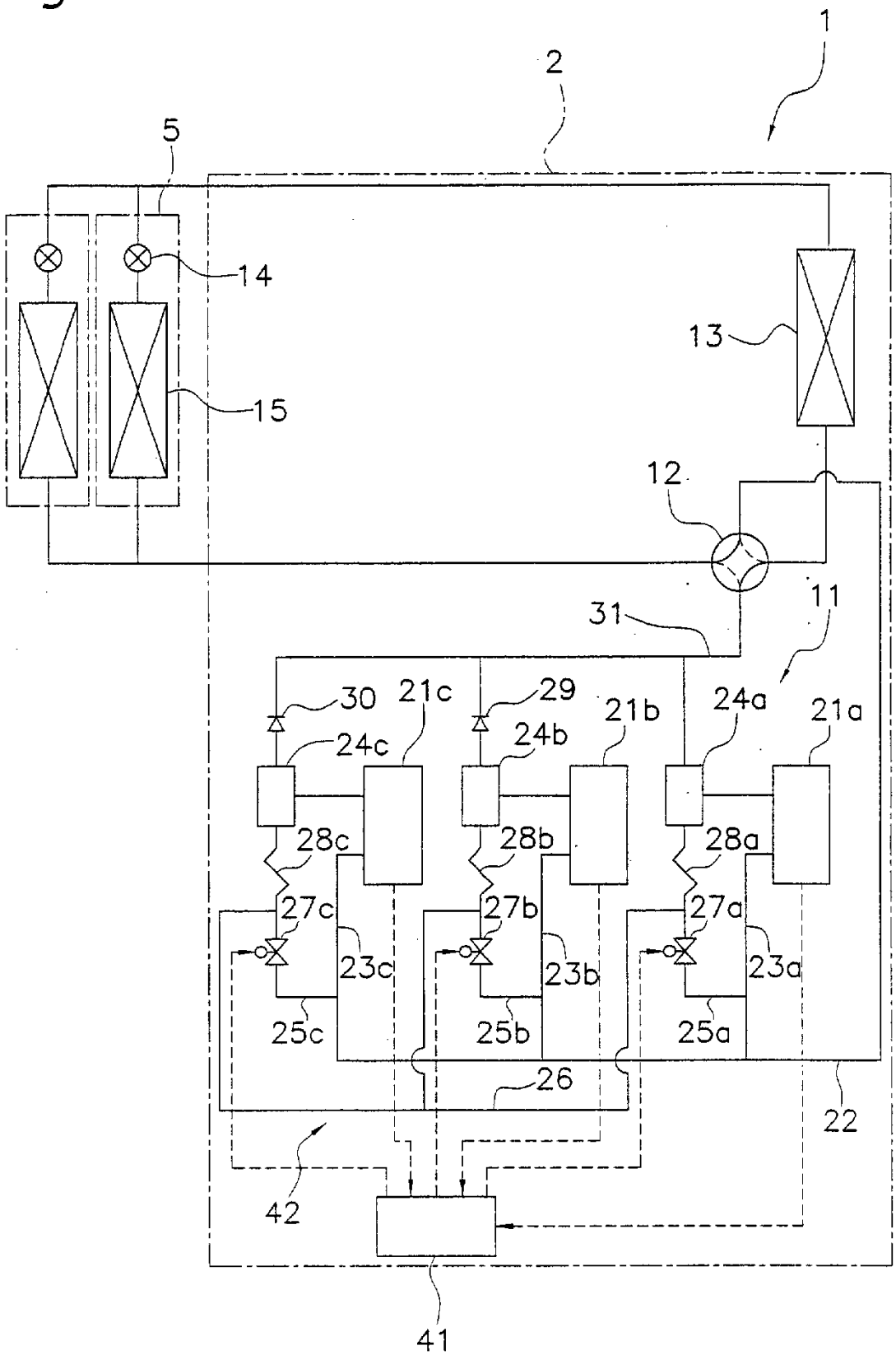

1
2
5
14
13
15
12
31
11
30
21c
29
21b
24a
21a
24c
24b
28c
28b
28a
27c
27b
27a
23c
23b
23a
25c
25b
25a
26
22
42
41

Fig. 2

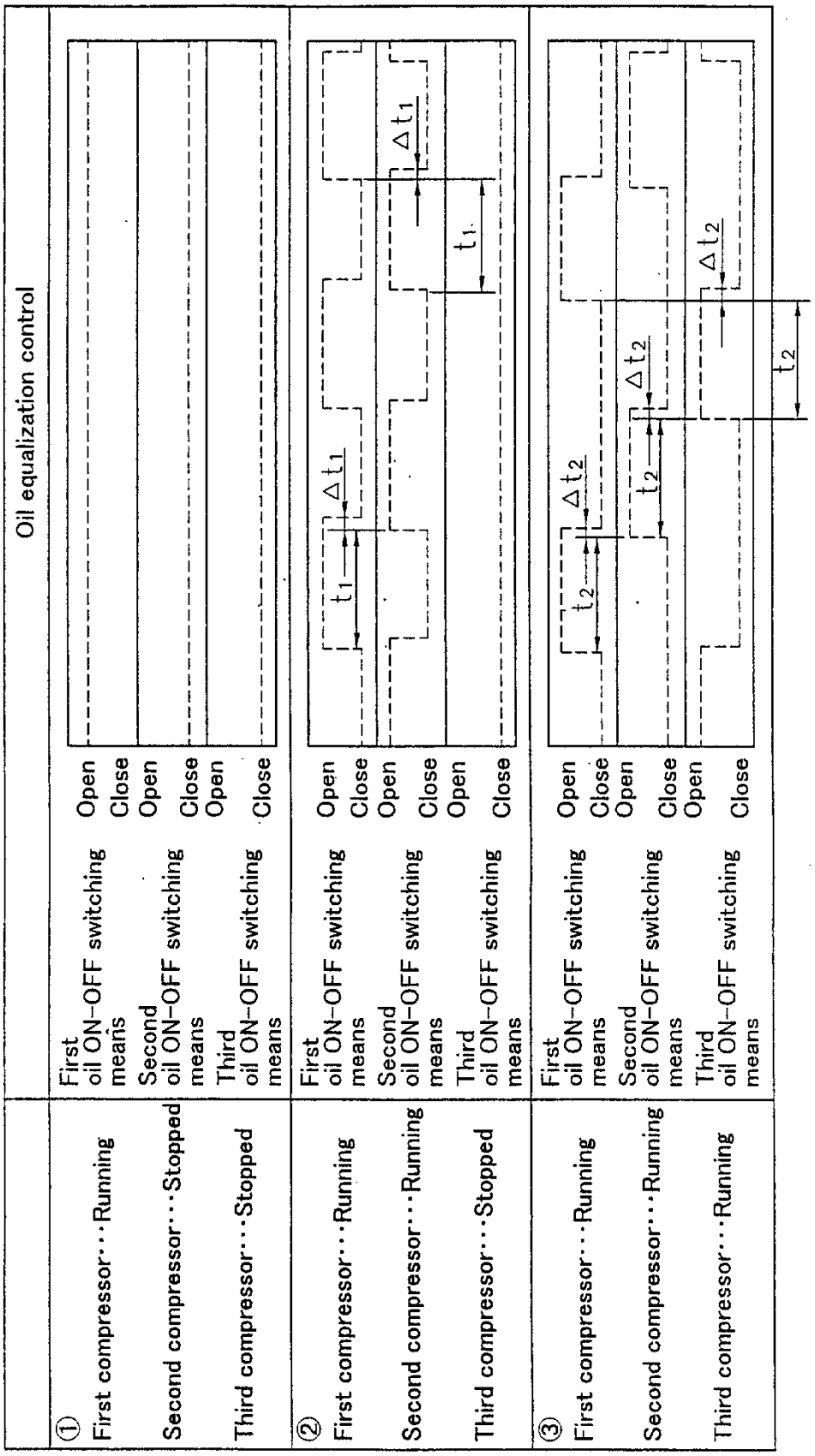

Oil equalization control
①
First compressor···Running
Second compressor···Stopped
Third compressor···Stopped
First oil ON-OFF switching means
Second oil ON-OFF switching means
Third oil ON-OFF switching means
Open
Close
②
First compressor···Running
Second compressor···Running
Third compressor···Stopped
③
First compressor···Running
Second compressor···Running
Third compressor···Running
t1
Δt1
t2
Δt2

Fig. 3

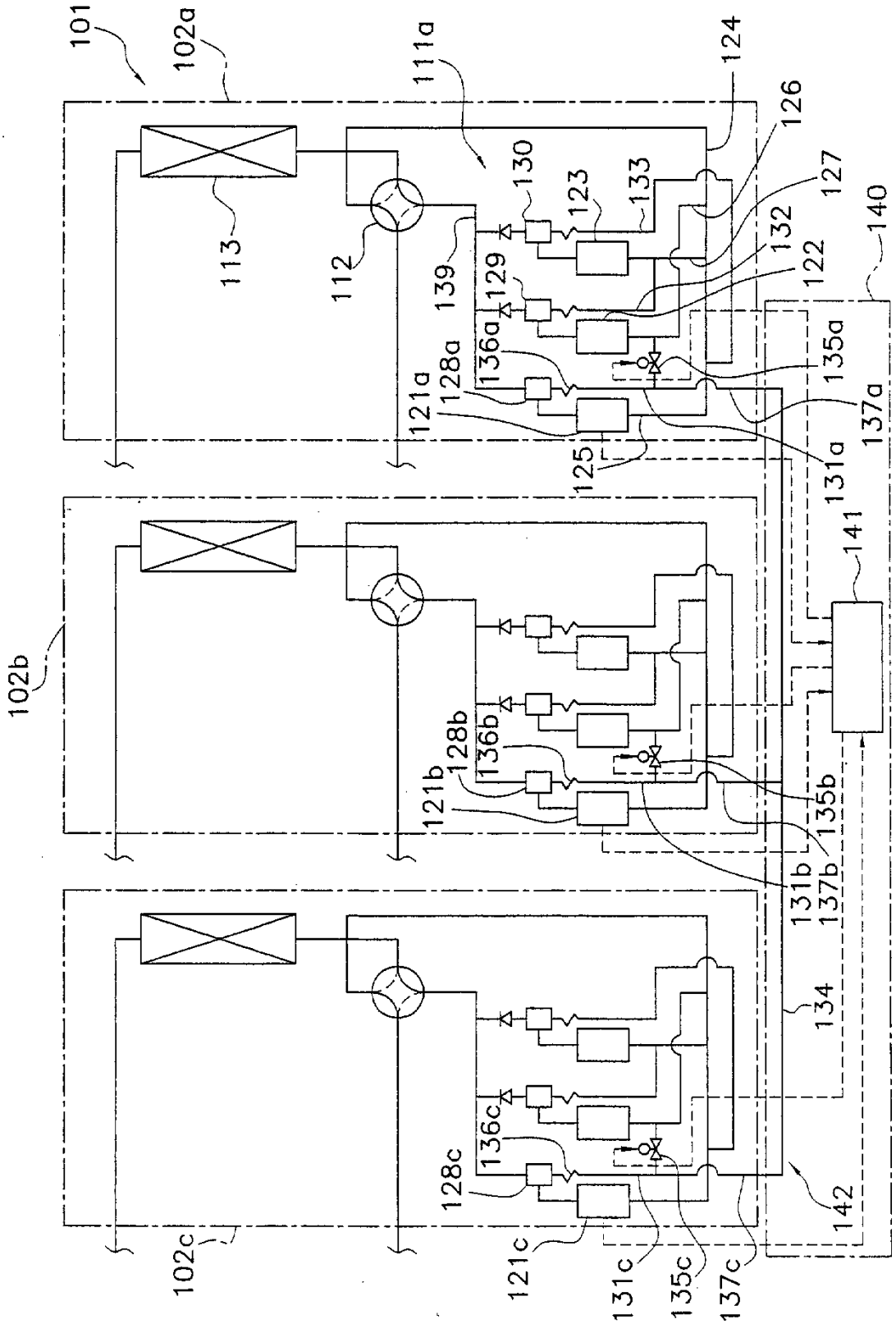

101
102a
111a
124
126
127
130
123
133
113
112
139
129
132
122
140
136a
128a
135a
121a
137a
125
131a
141
102b
128b
136b
121b
135b
131b
137b
134
136c
128c
142
102c
121c
131c
135c
137c

Fig. 4

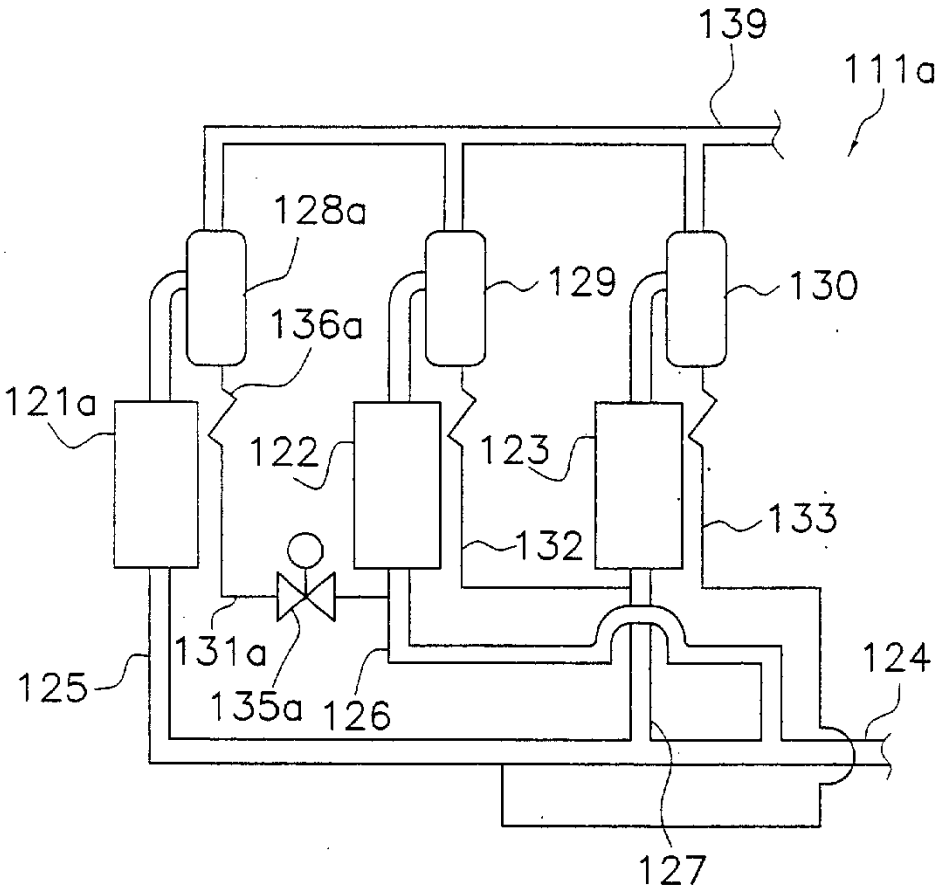

139
111a
128a
129
130
136a
121a
122
123
133
132
131a
135a
126
125
124
127

Fig. 5

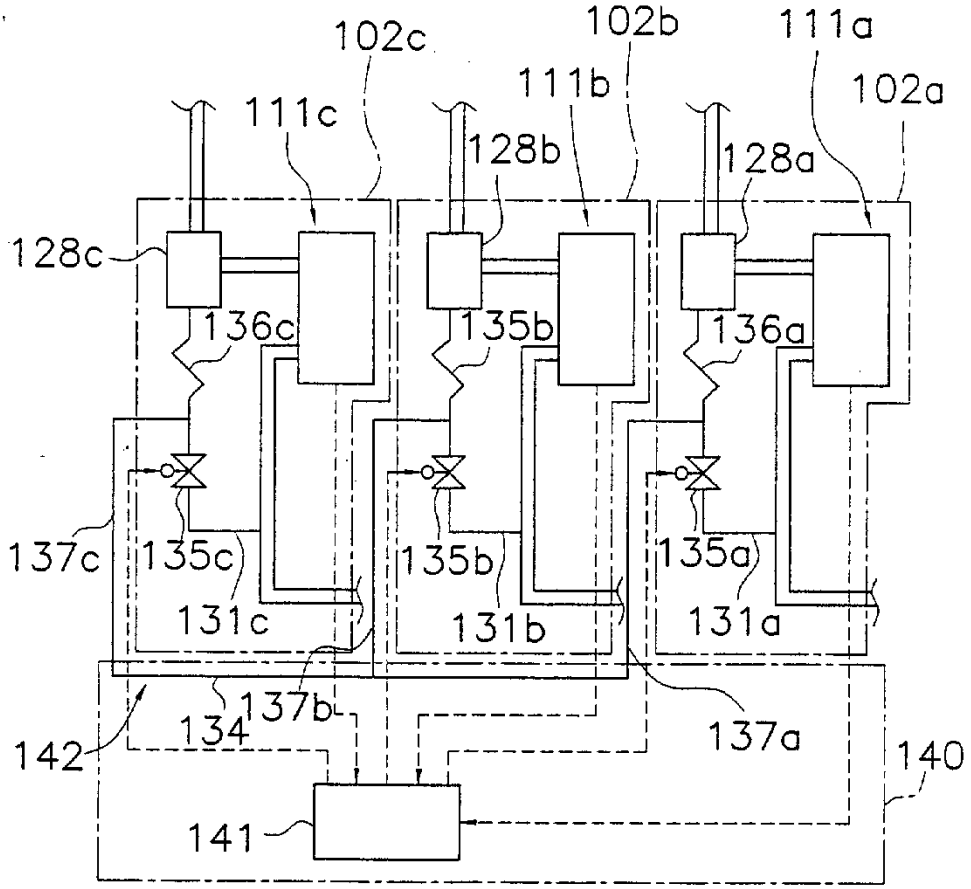

102c
102b
111a
111b
102a
111c
128b
128a
128c
136c
135b
136a
137c
135c
135b
135a
131c
131b
131a
137b
134
137a
142
140
141

Fig. 6

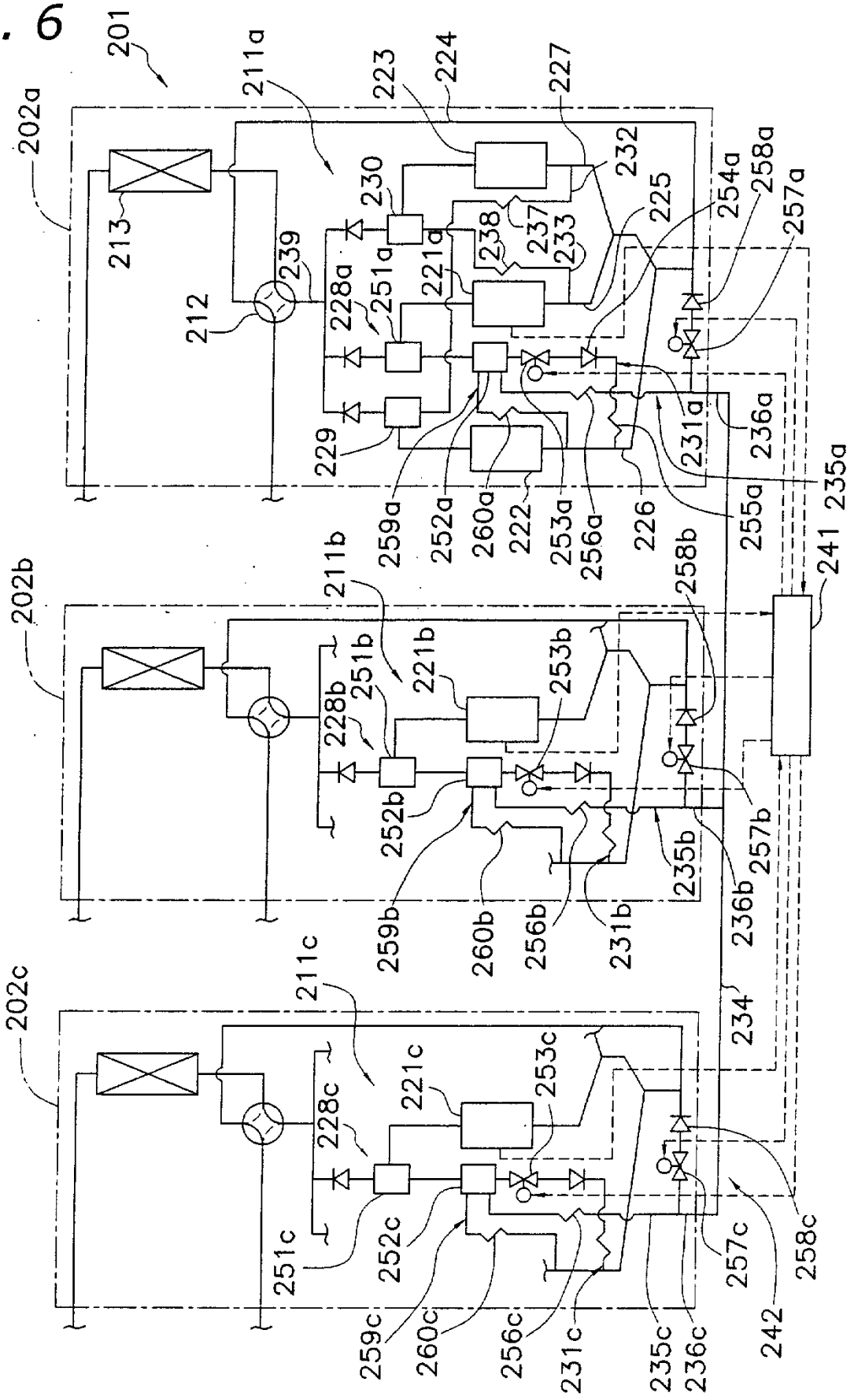
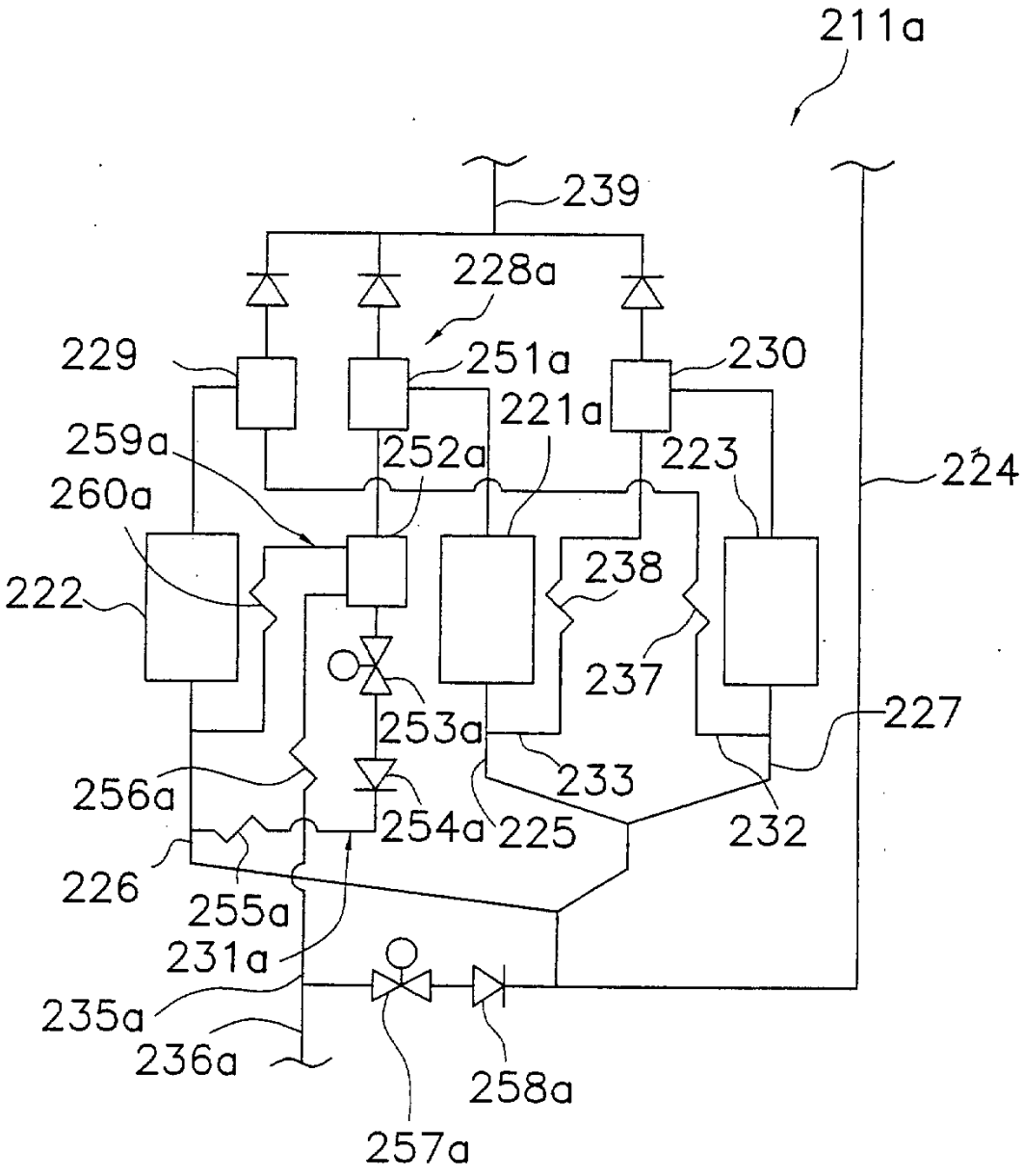

201
202a
202b
202c
211a
211b
211c
212
213
221a
221b
221c
222
223
224
225
226
227
228a
228b
228c
229
230
231a
231b
231c
232
233
234
235a
235b
235c
236a
236b
236c
237
238
239
241
242
251a
251b
251c
252a
252b
252c
253a
253b
253c
254a
255a
256a
256b
256c
257a
257b
257c
258a
258b
258c
259a
259b
259c
260a
260b
260c

Fig. 7


211a
239
228a
229
251a
230
221a
259a
252a
223
224
260a
222
238
237
253a
227
256a
233
254a
225
232
226
255a
231a
235a
236a
258a
257a