Fig. 1

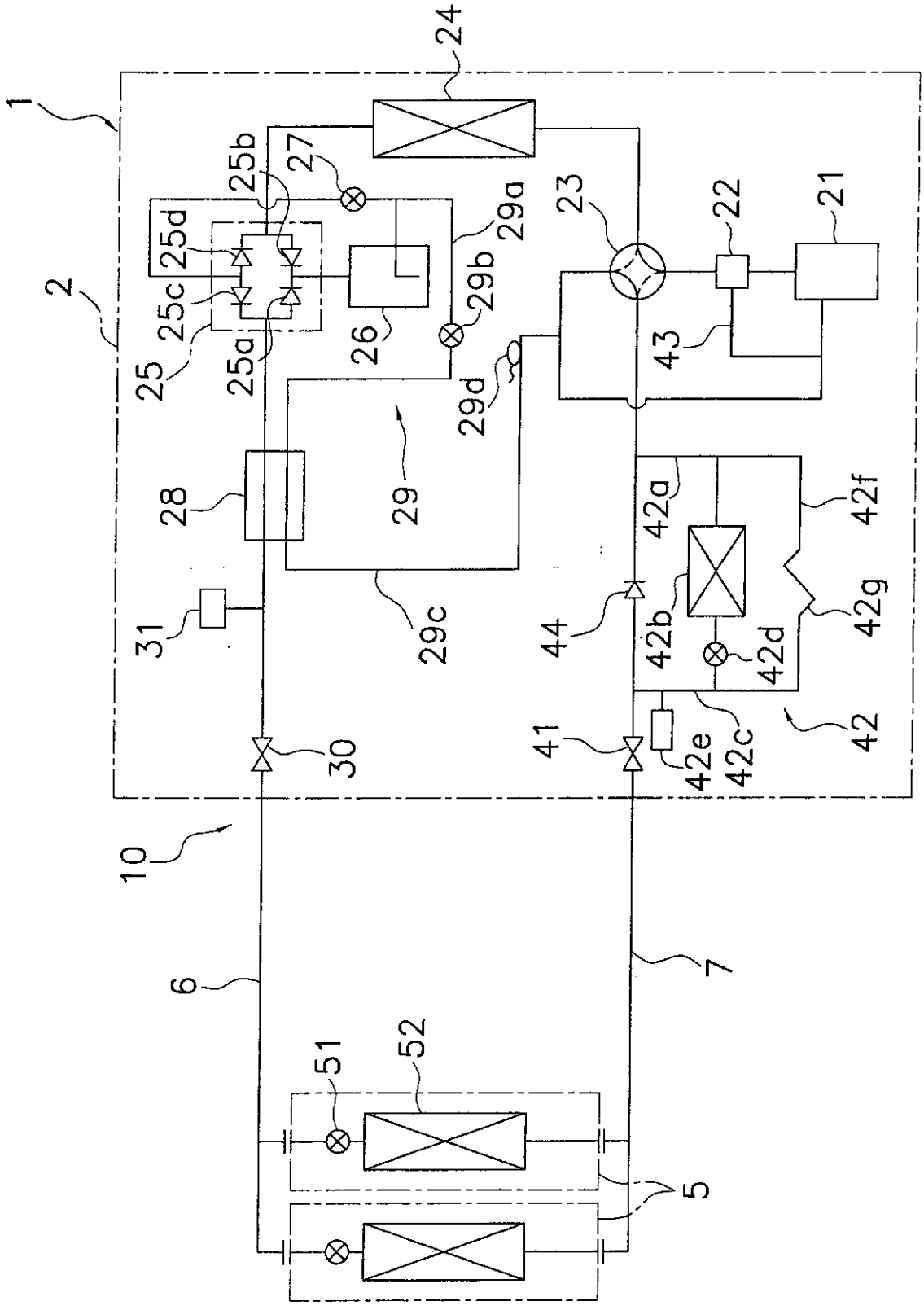

1
2
10
21
22
23
24
25
25a
25b
25c
25d
26
27
28
29
29a
29b
29c
29d
30
31
41
42
42a
42b
42c
42d
42e
42f
42g
43
44
5
51
52
6
7

Fig. 2

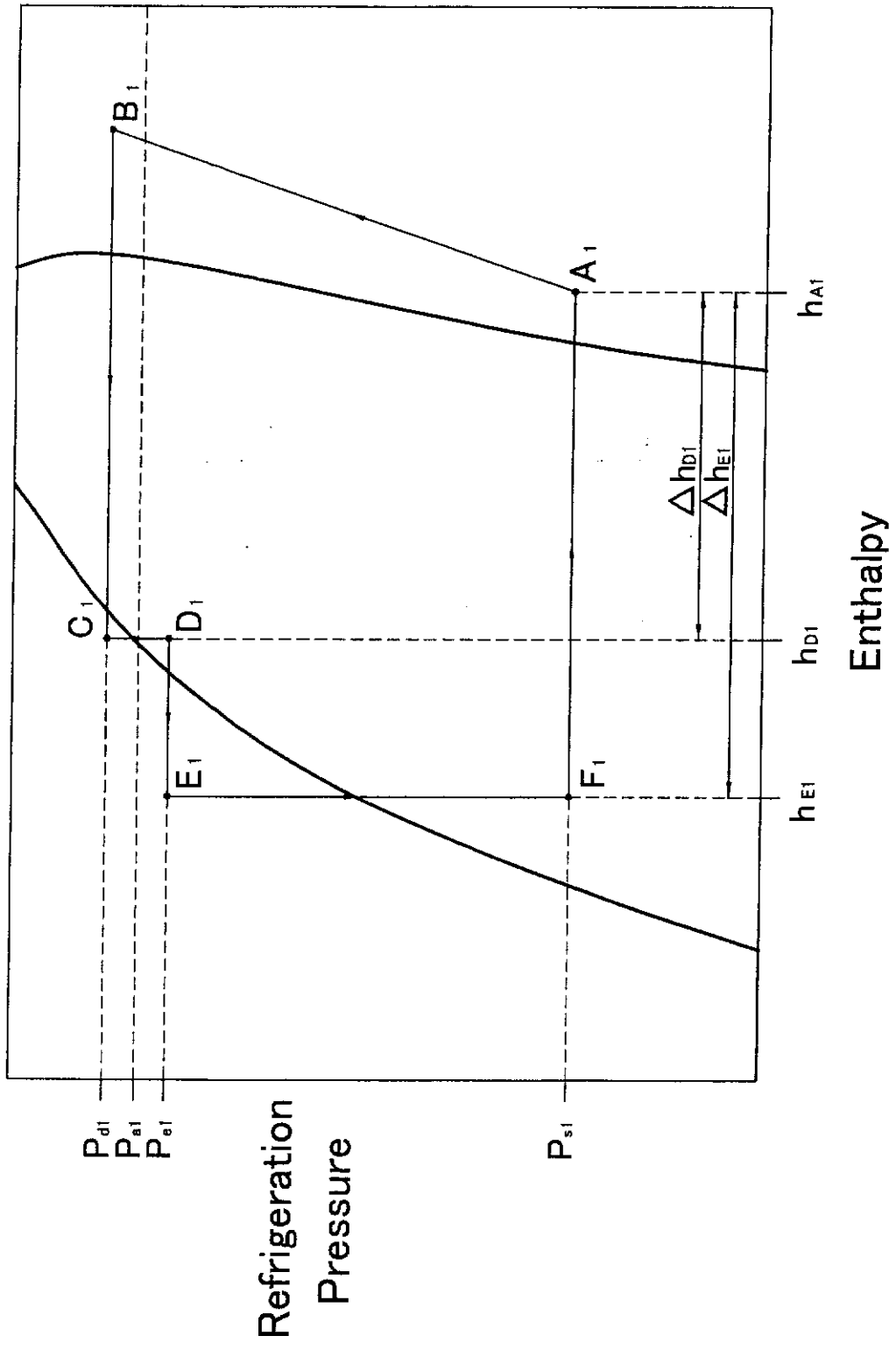

B1
A1
C1
D1
E1
F1
hA1
hD1
hE1
ΔhD1
ΔhE1
Enthalpy
Pd1
Pa1
Pe1
Ps1
Refrigeration
Pressure

Fig. 3

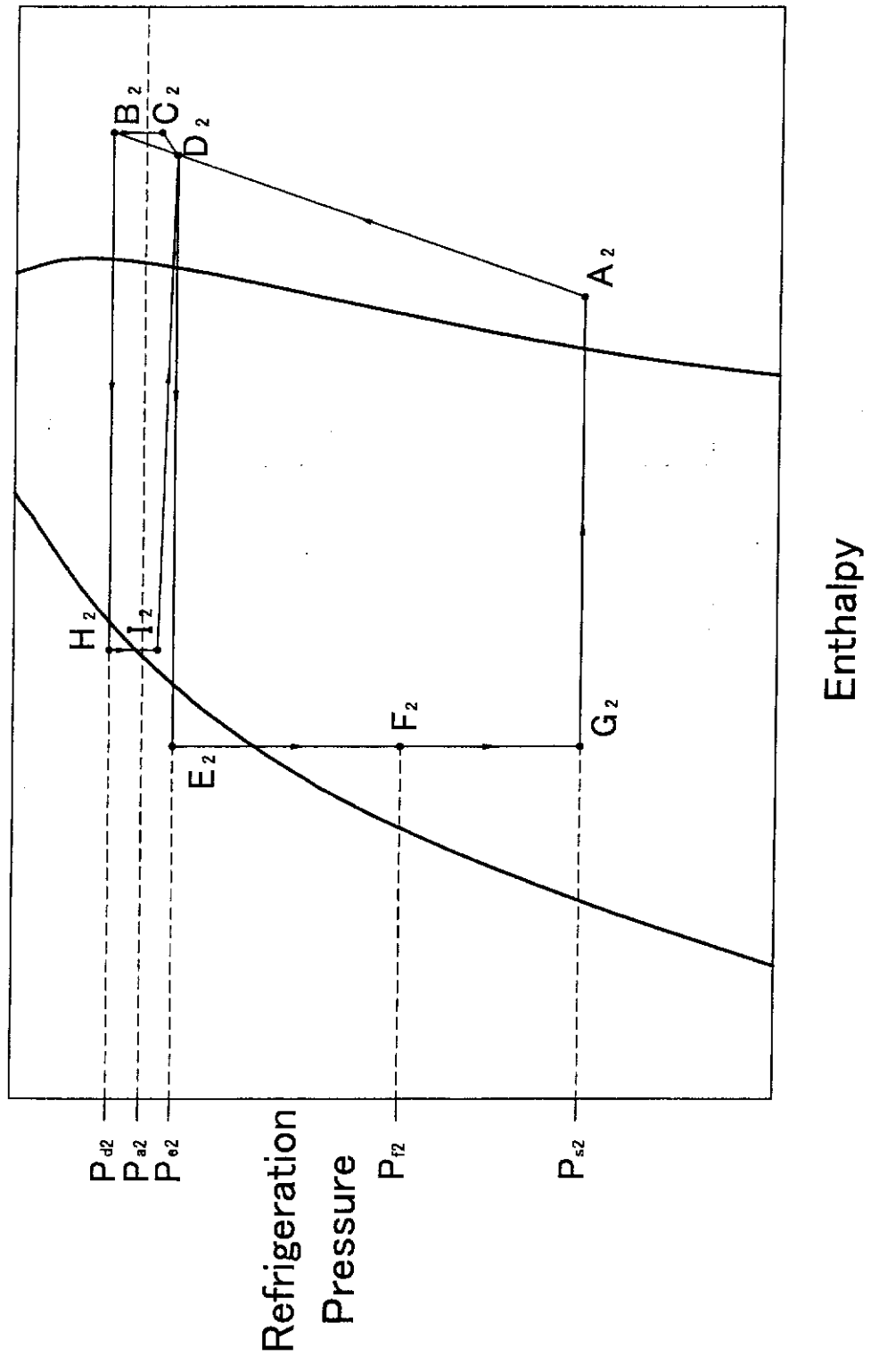

B 2
C 2
D 2
A 2
H 2
I 2
E 2
F 2
G 2
P d2
P a2
P e2
P f2
P s2
Refrigeration Pressure
Enthalpy

Fig. 4

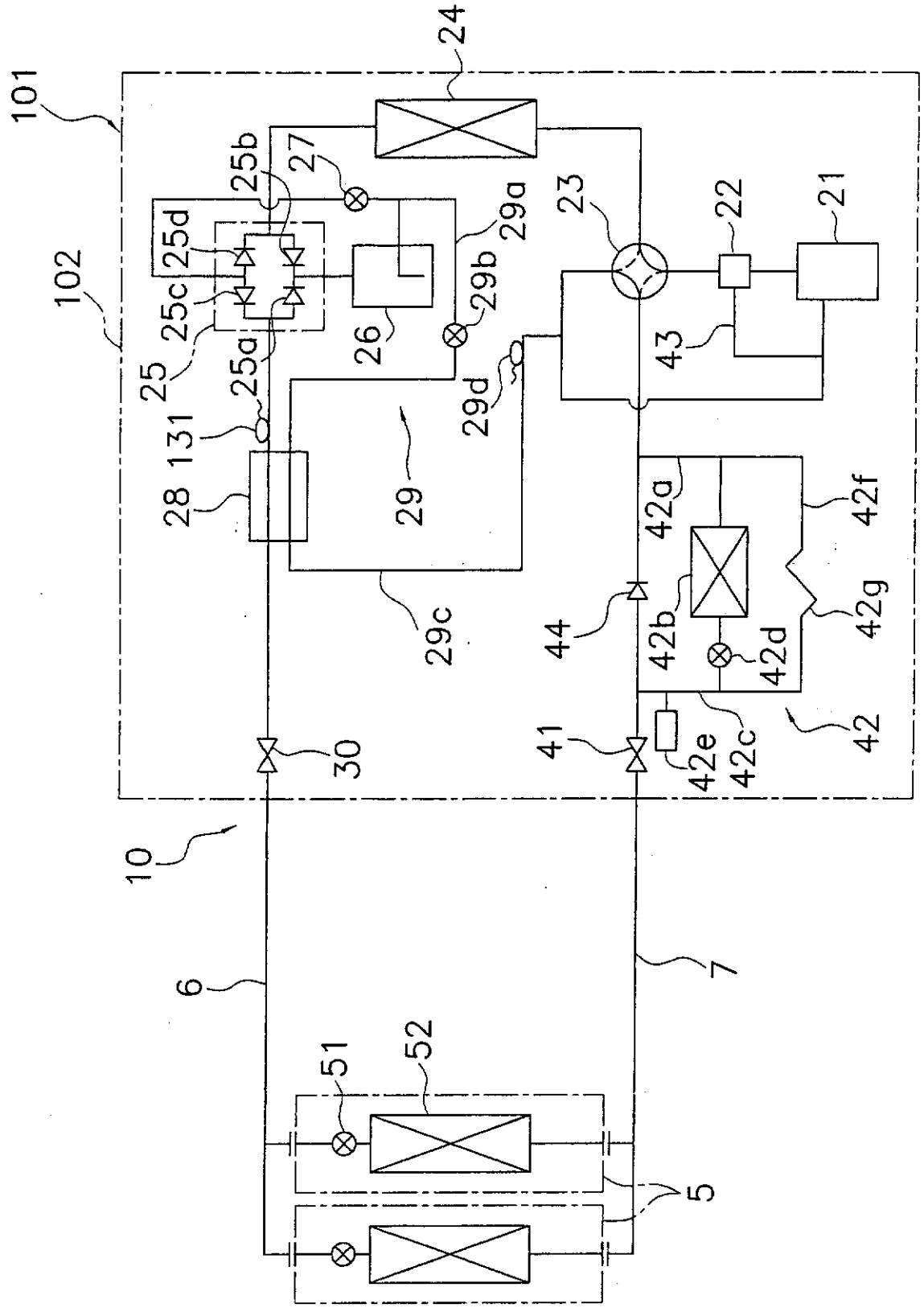
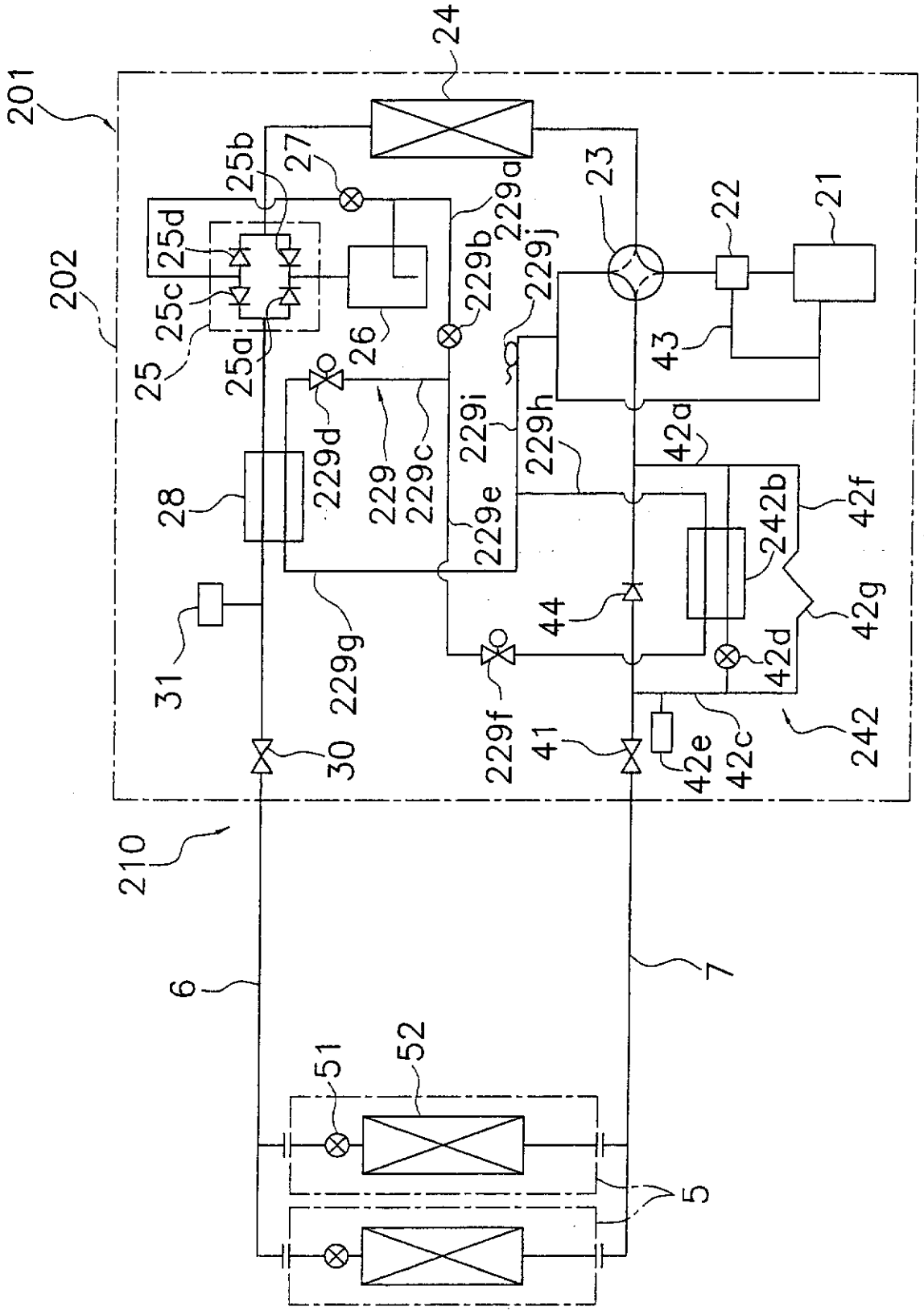

101
102
24
25b
27
25d
25c
25
25a
131
28
26
29a
29b
29d
29
29c
23
22
21
43
42a
42f
42b
42g
42d
42
42e
42c
44
41
30
10
6
7
51
52
5

Fig. 5


201
202
24
25b
27
229a
23
22
21
25d
25c
25
25a
26
229b
229j
43
229d
229
229c
229i
229h
42a
28
229e
242b
42f
31
44
42g
229g
42d
229f
41
42e
42c
242
30
210
6
7
51
52
5