Fig. 1

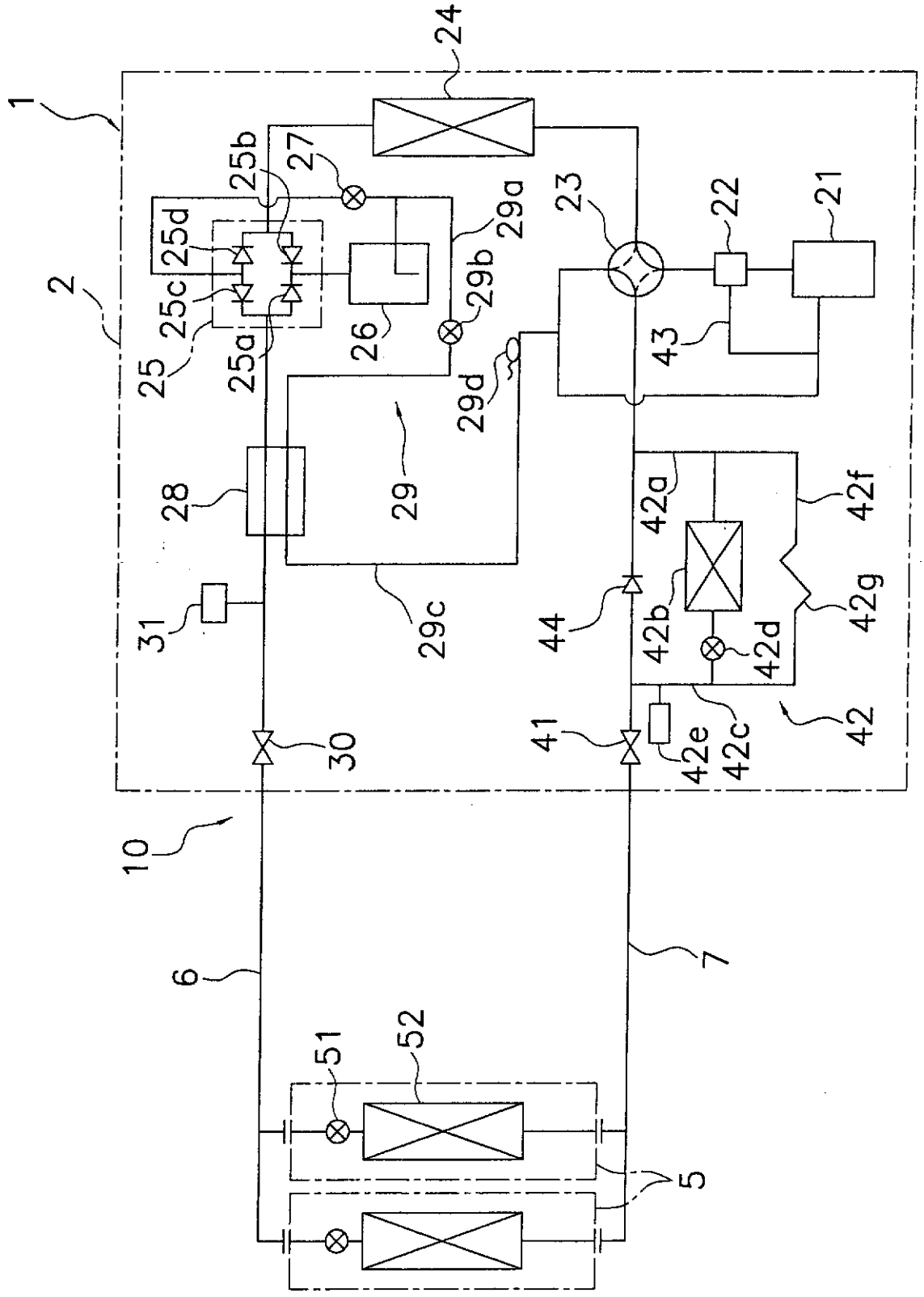

1
2
10
6
7
5
21
22
23
24
25
25a
25b
25c
25d
26
27
28
29
29a
29b
29c
29d
30
31
41
42
42a
42b
42c
42d
42e
42f
42g
43
44
51
52

Fig. 2

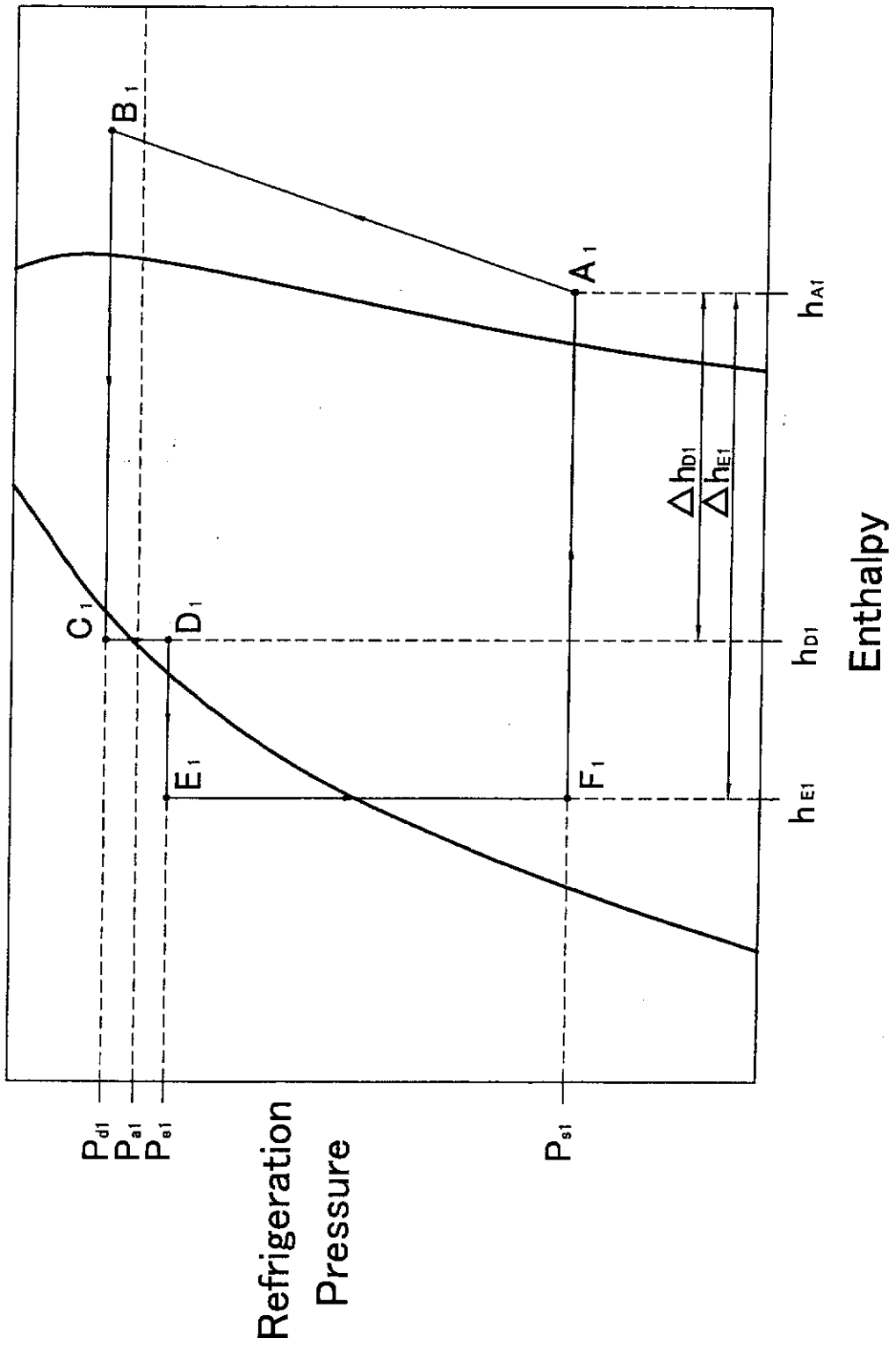

B1
A1
C1
D1
E1
F1
hA1
hD1
hE1
ΔhD1
ΔhE1
Enthalpy
Pd1
Pa1
Pe1
Ps1
Refrigeration
Pressure

Fig. 3

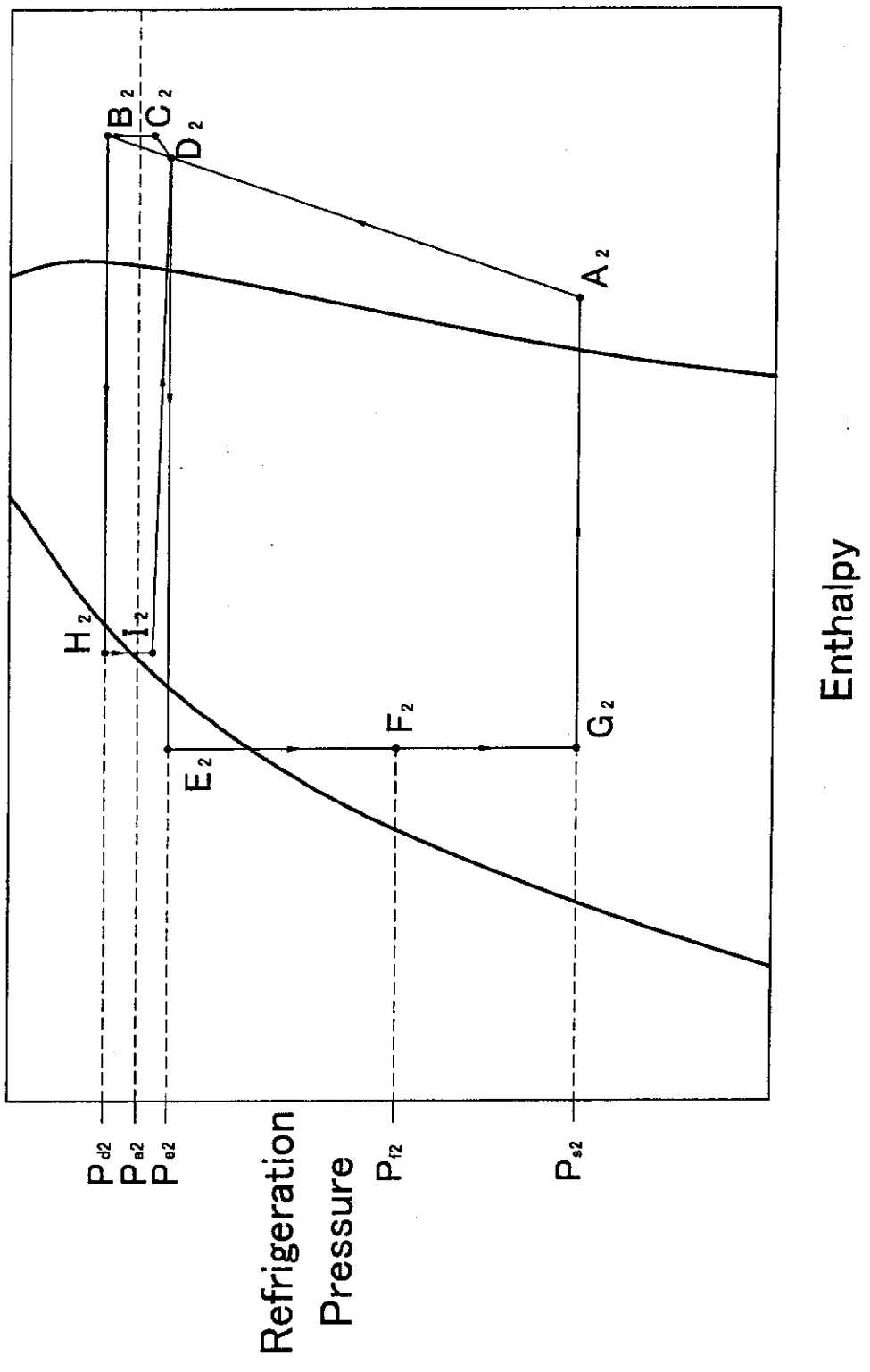

B 2
C 2
D 2
A 2
H 2
I 2
F 2
G 2
E 2
Enthalpy
Refrigeration Pressure
P d2
P s2
P e2
P f2
P s2

Fig. 4

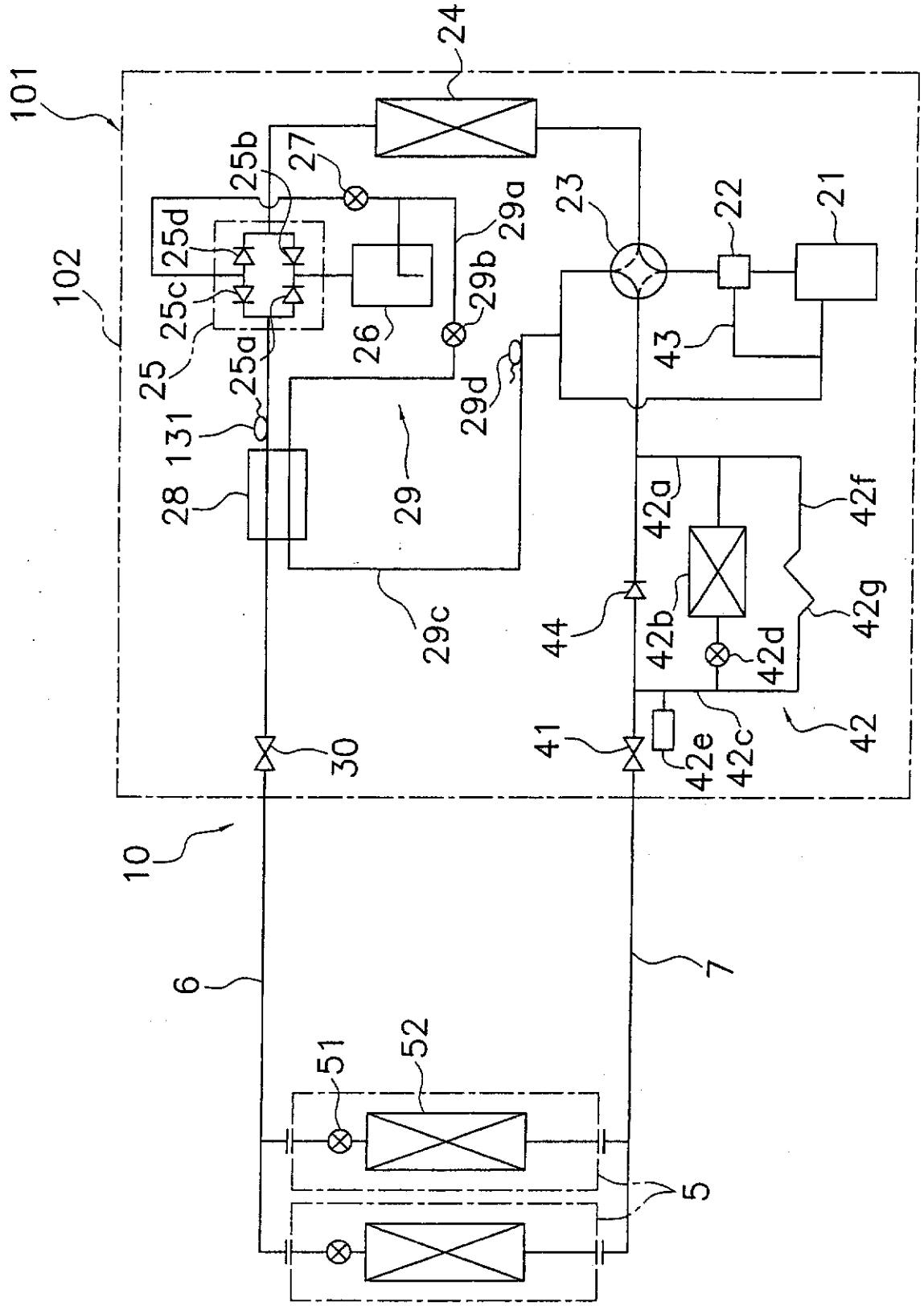
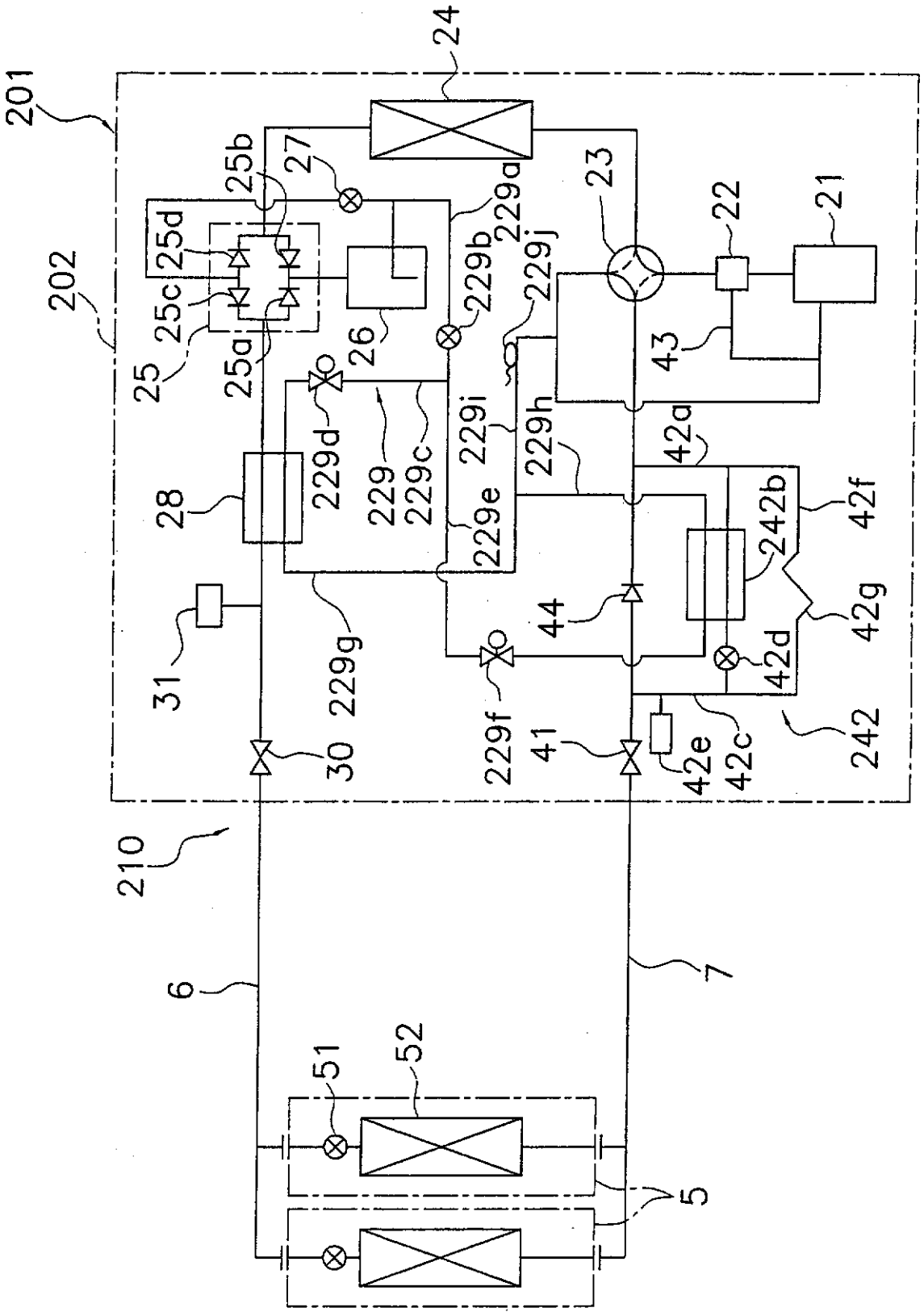

101
102
24
25b
27
25d
29a
23
22
21
25c
29b
25
25a
26
43
131
29d
28
29
42a
42f
29c
44
42b
42d
42g
30
41
42e
42c
42
10
6
7
51
52
5

Fig. 5


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