FIG. 1

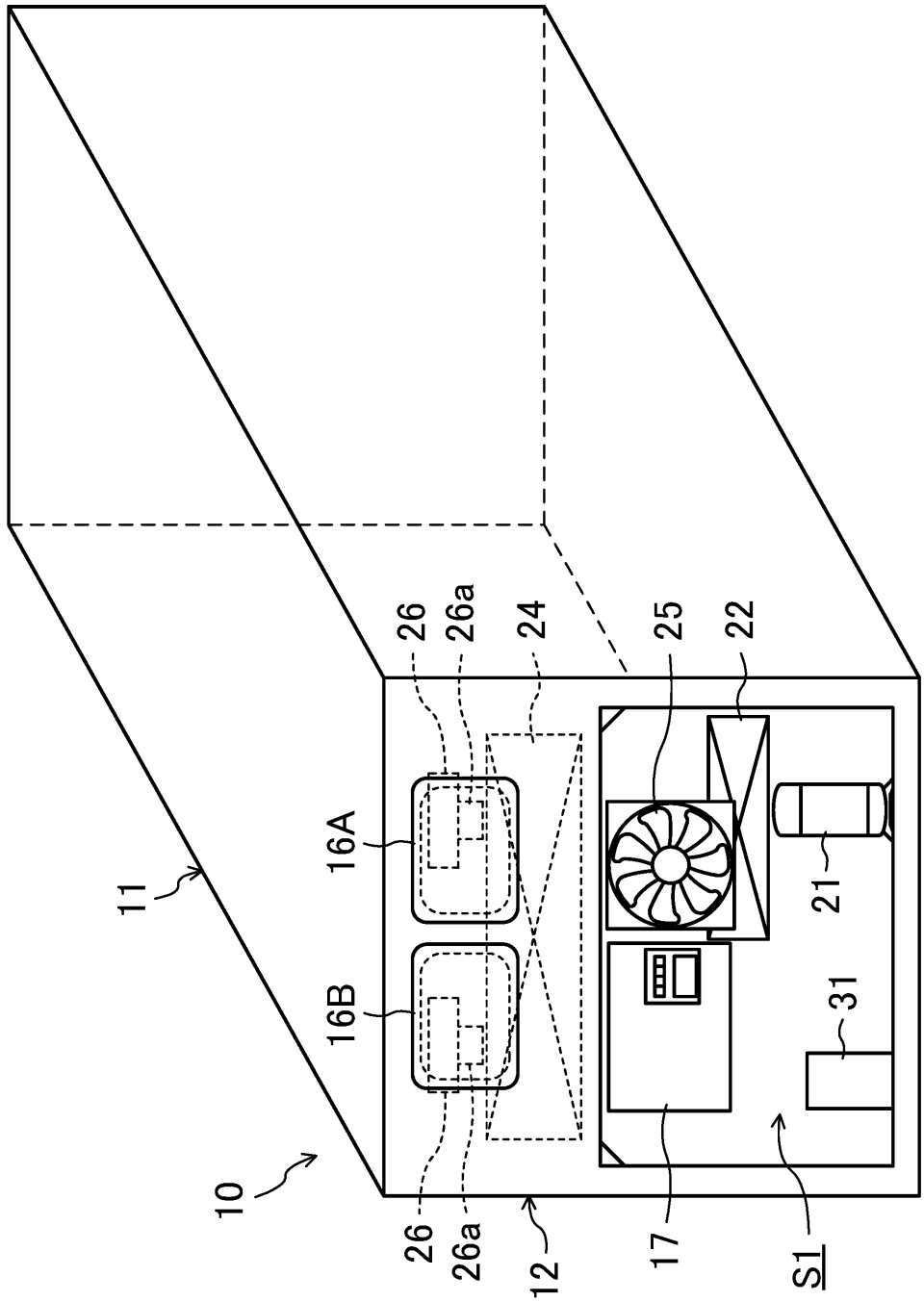


FIG. 2

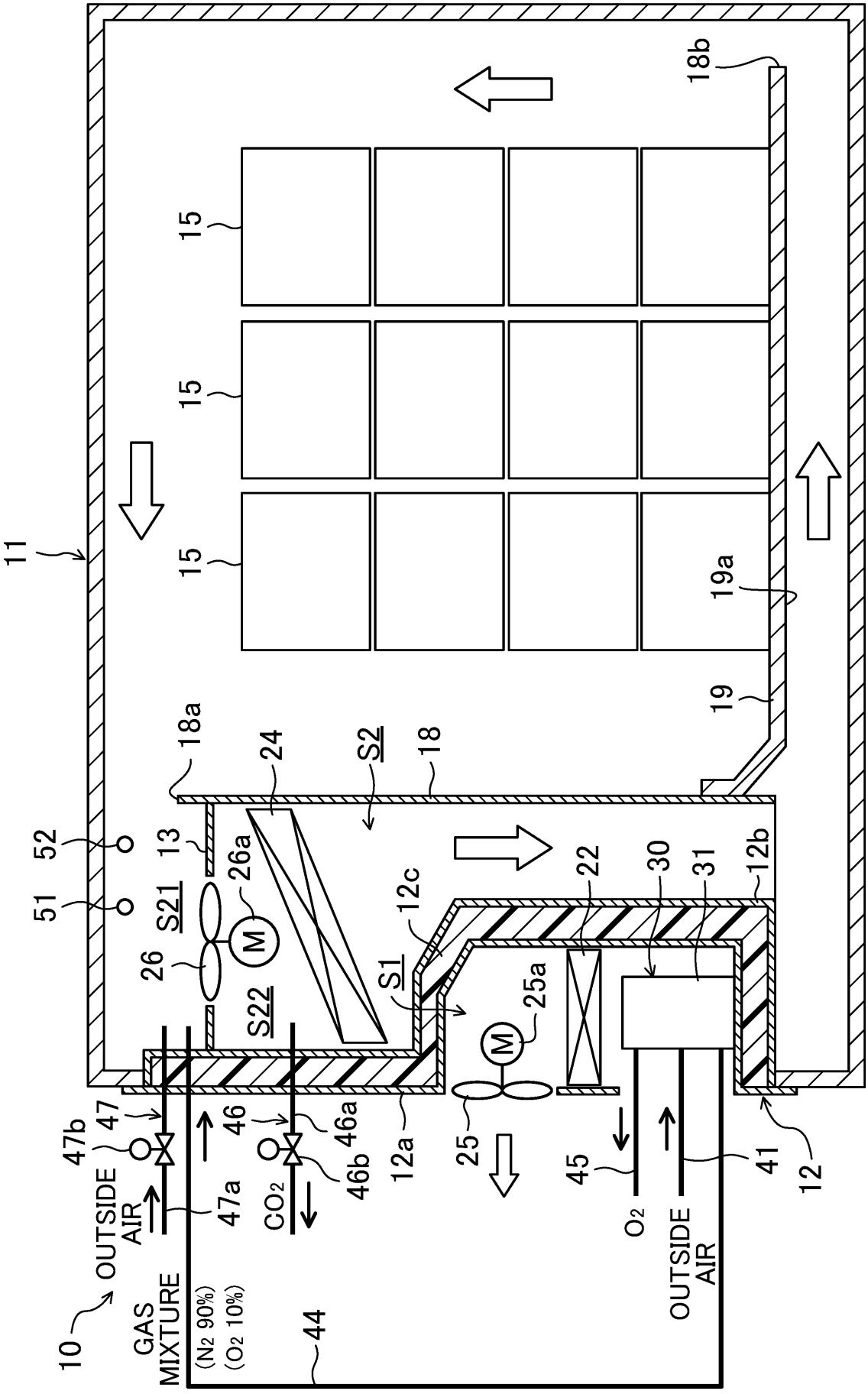

11
15
15
15
18b
19a
19
18a
24
S2
18
52
51
13
S21
26a
26
M
S22
S1
12c
22
30
31
12b
25a
M
25
12a
47b
47
46
46a
46b
47a
OUTSIDE AIR
CO2
GAS MIXTURE
(N2 90%)
(O2 10%)
10
44
45
41
12
O2
OUTSIDE AIR

FIG. 3

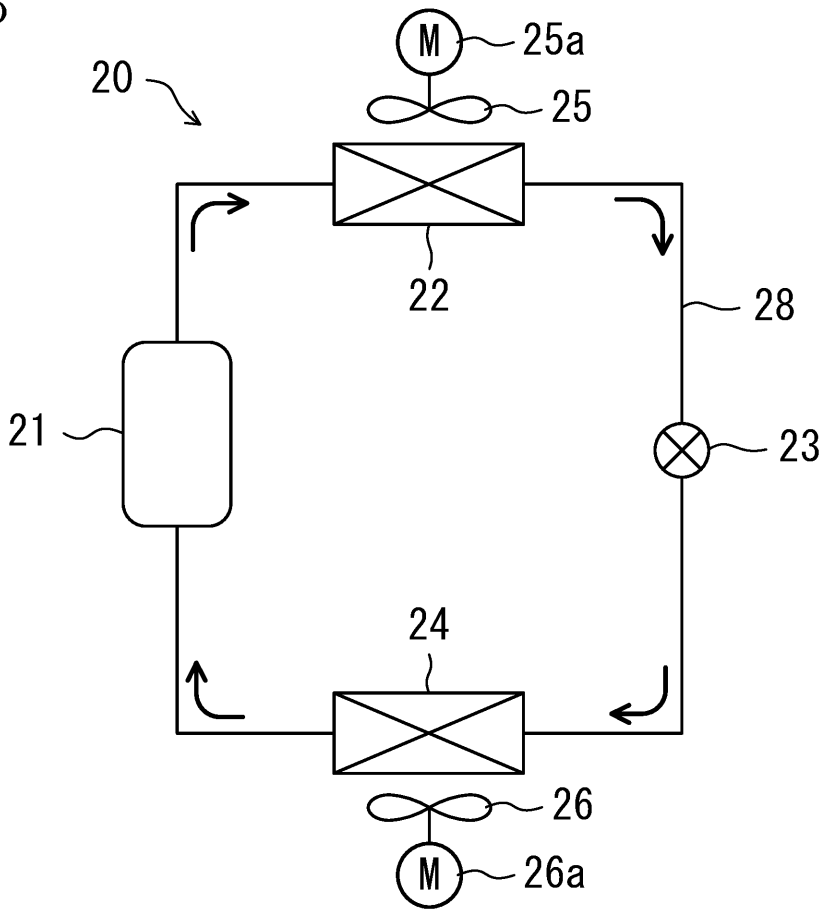


FIG. 4

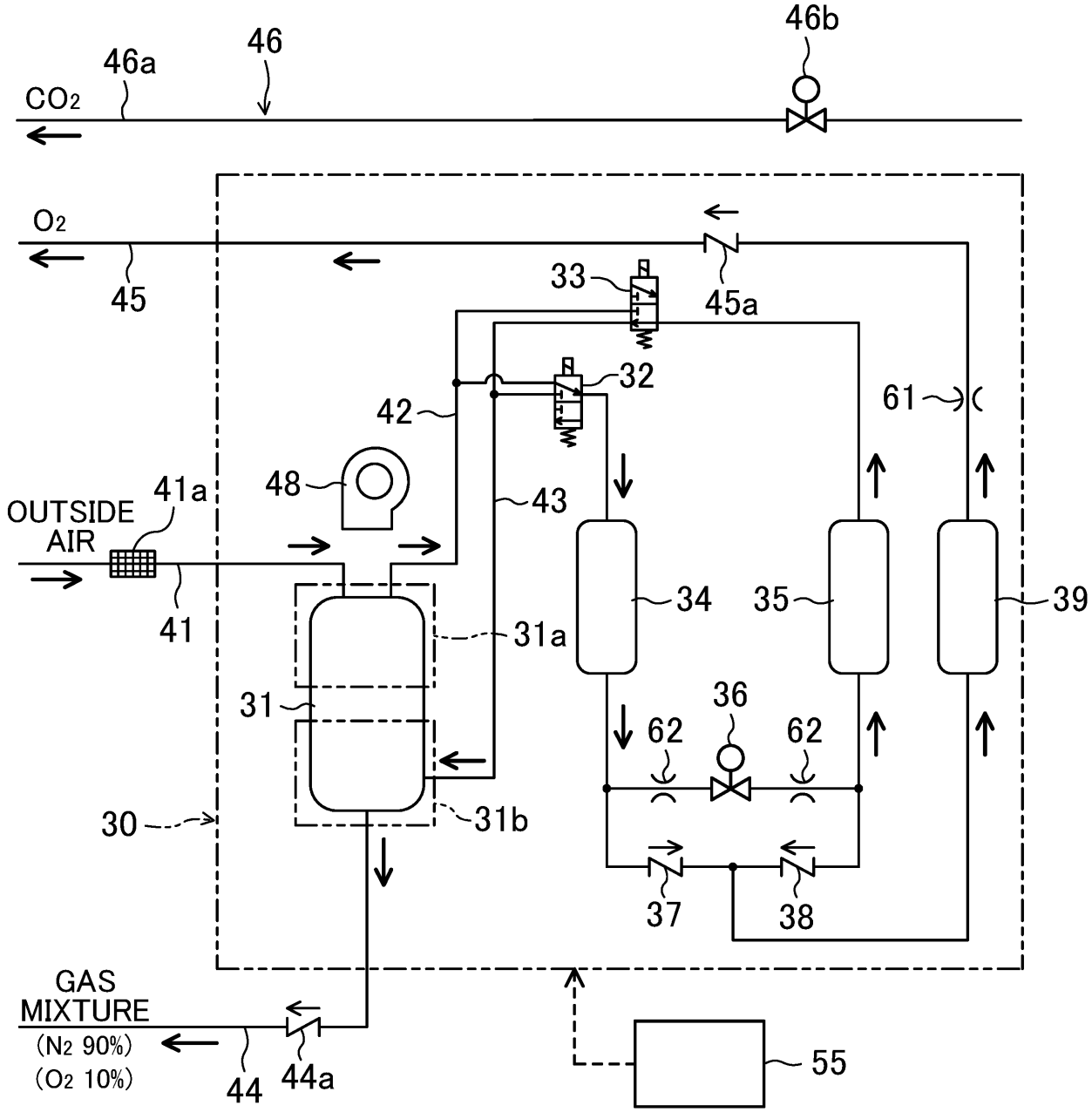

46b
46
46a
CO2
O2
45
45a
33
32
42
61
48
43
41a
OUTSIDE AIR
41
34
35
39
31a
31
36
62
62
30
31b
37
38
GAS MIXTURE
(N2 90%)
(O2 10%)
44
44a
55

FIG. 5

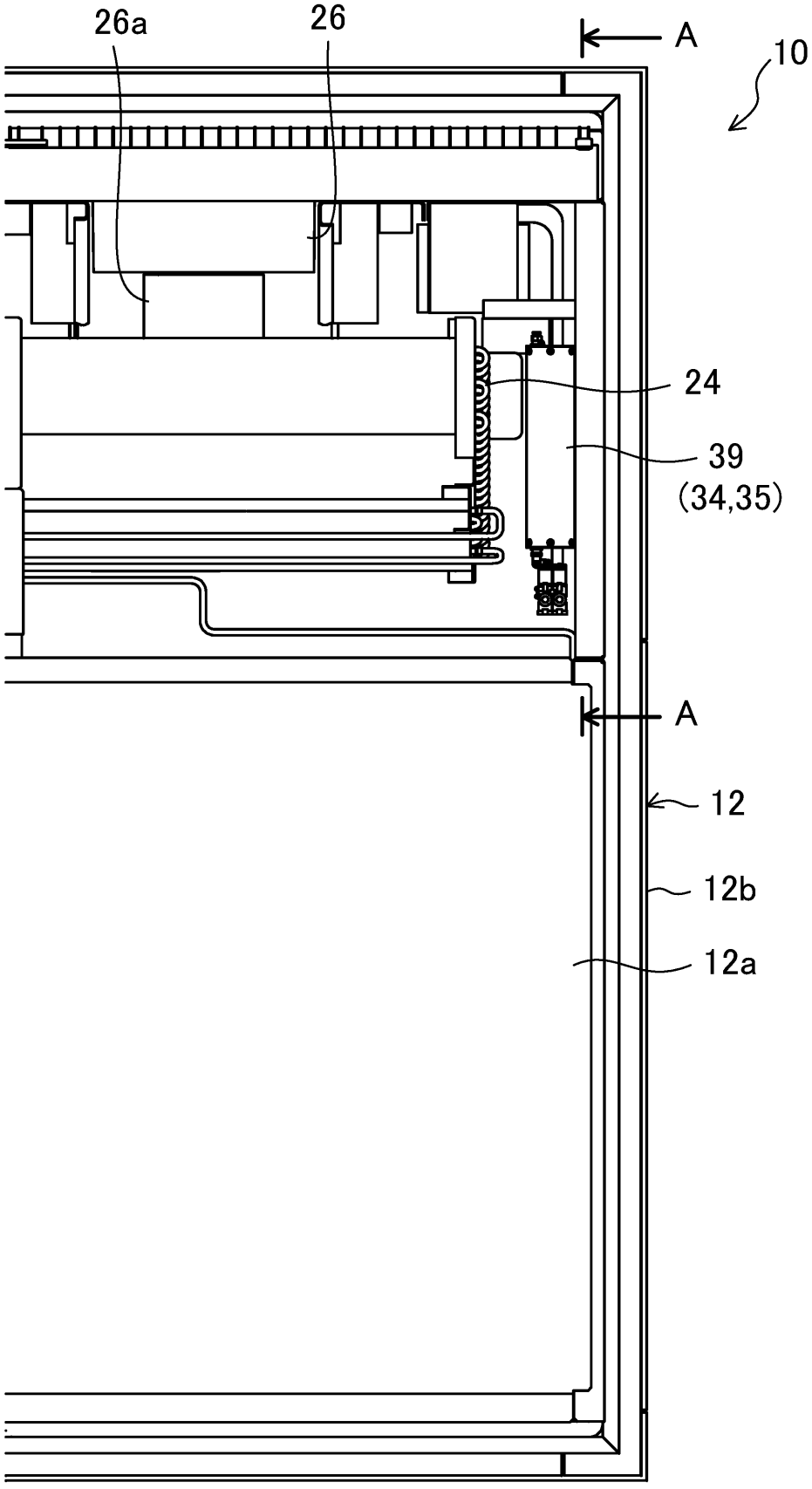


FIG. 6

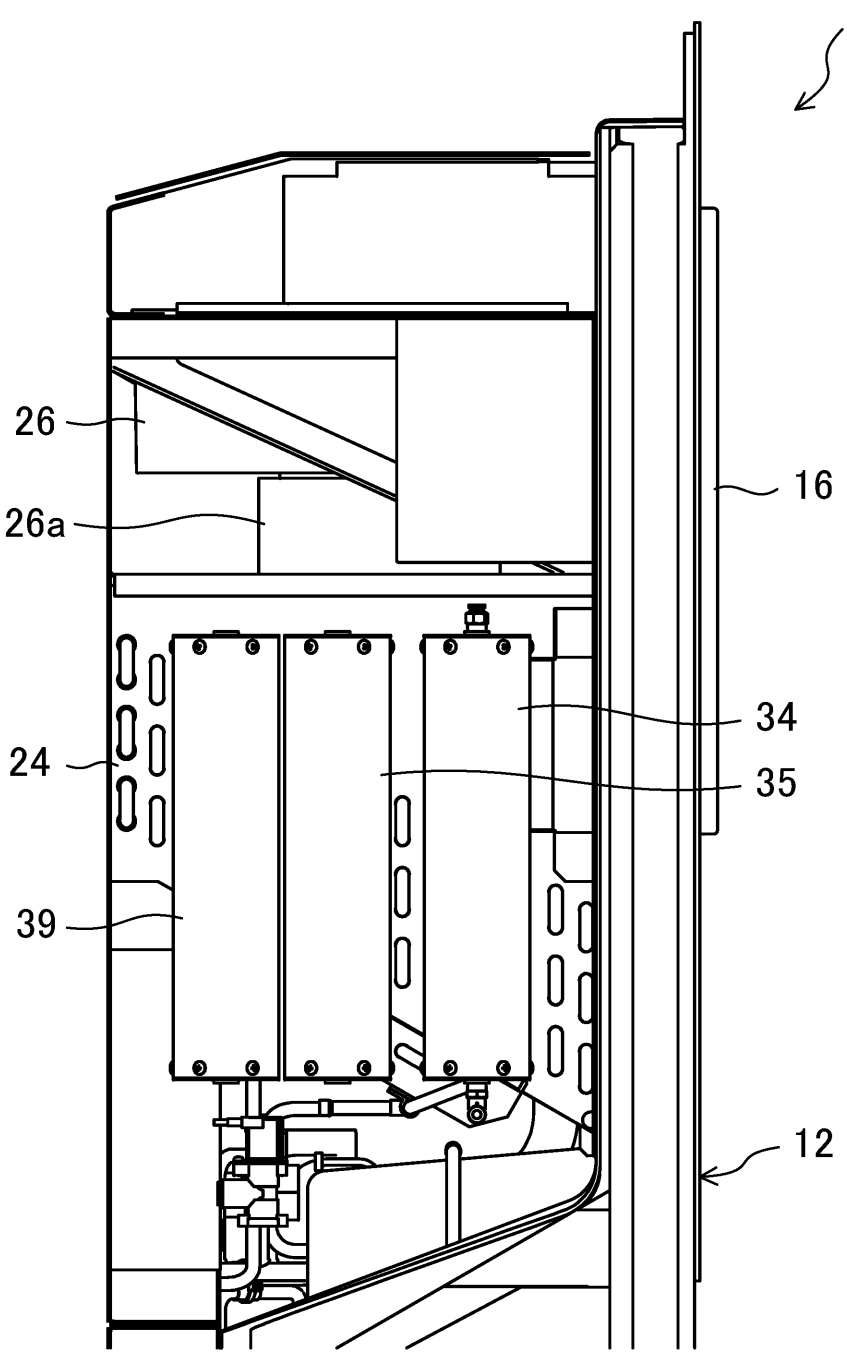


FIG. 7

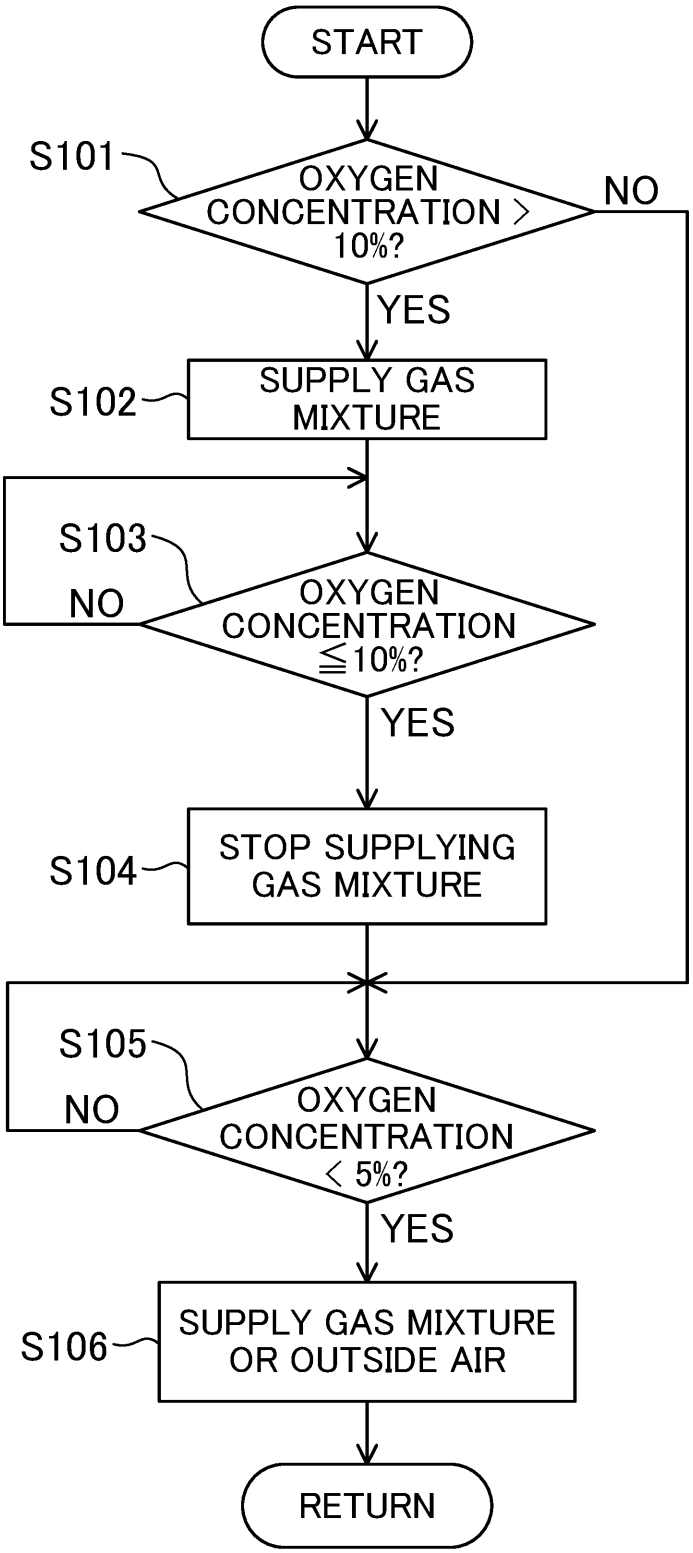

START
S101
OXYGEN CONCENTRATION > 10%?
NO
YES
S102
SUPPLY GAS MIXTURE
S103
NO
OXYGEN CONCENTRATION ≦10%?
YES
S104
STOP SUPPLYING GAS MIXTURE
S105
NO
OXYGEN CONCENTRATION < 5%?
YES
S106
SUPPLY GAS MIXTURE OR OUTSIDE AIR
RETURN

FIG. 8

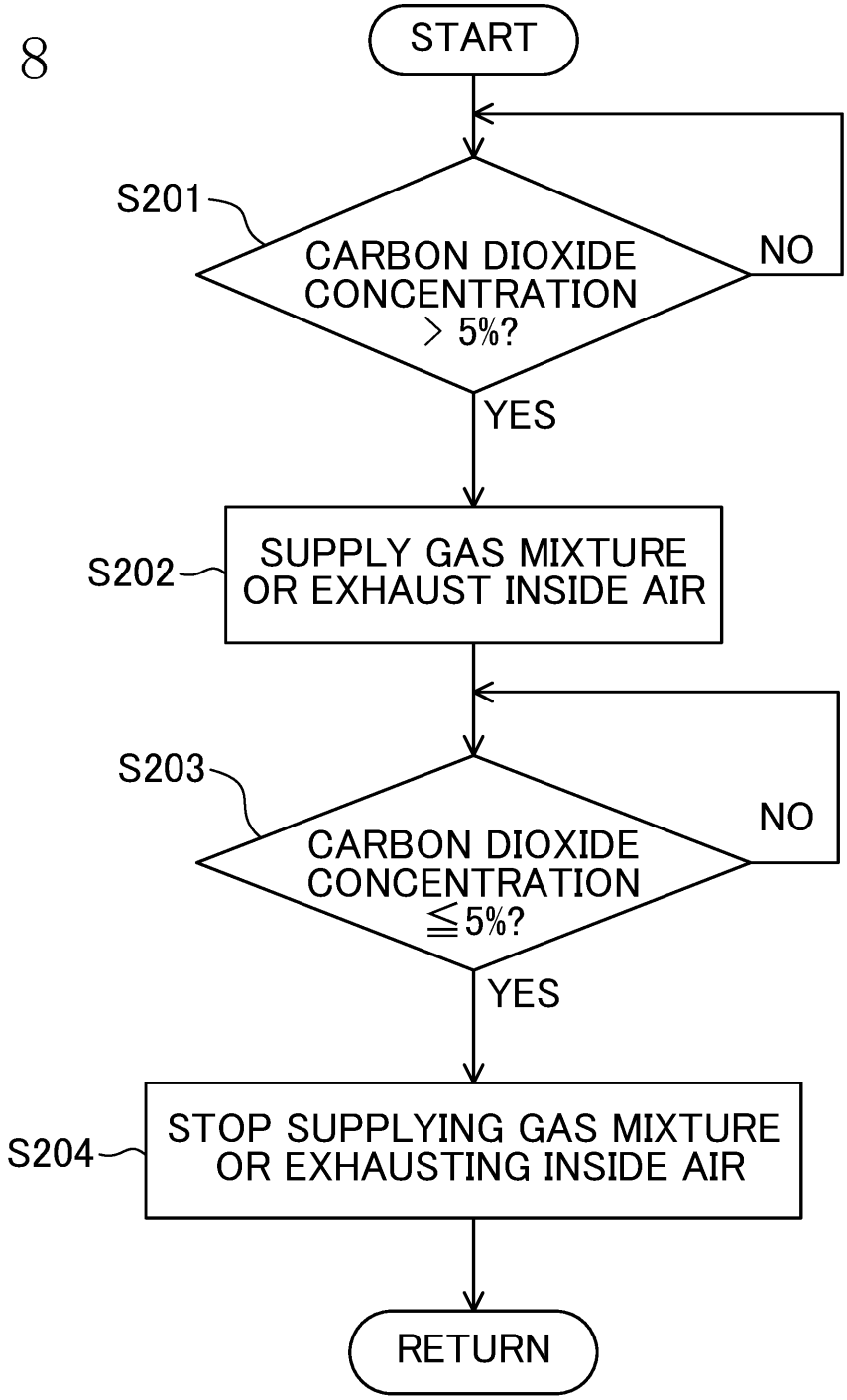

START
S201
CARBON DIOXIDE CONCENTRATION > 5%?
NO
YES
S202
SUPPLY GAS MIXTURE OR EXHAUST INSIDE AIR
S203
CARBON DIOXIDE CONCENTRATION ≦5%?
NO
YES
S204
STOP SUPPLYING GAS MIXTURE OR EXHAUSTING INSIDE AIR
RETURN

FIG. 9

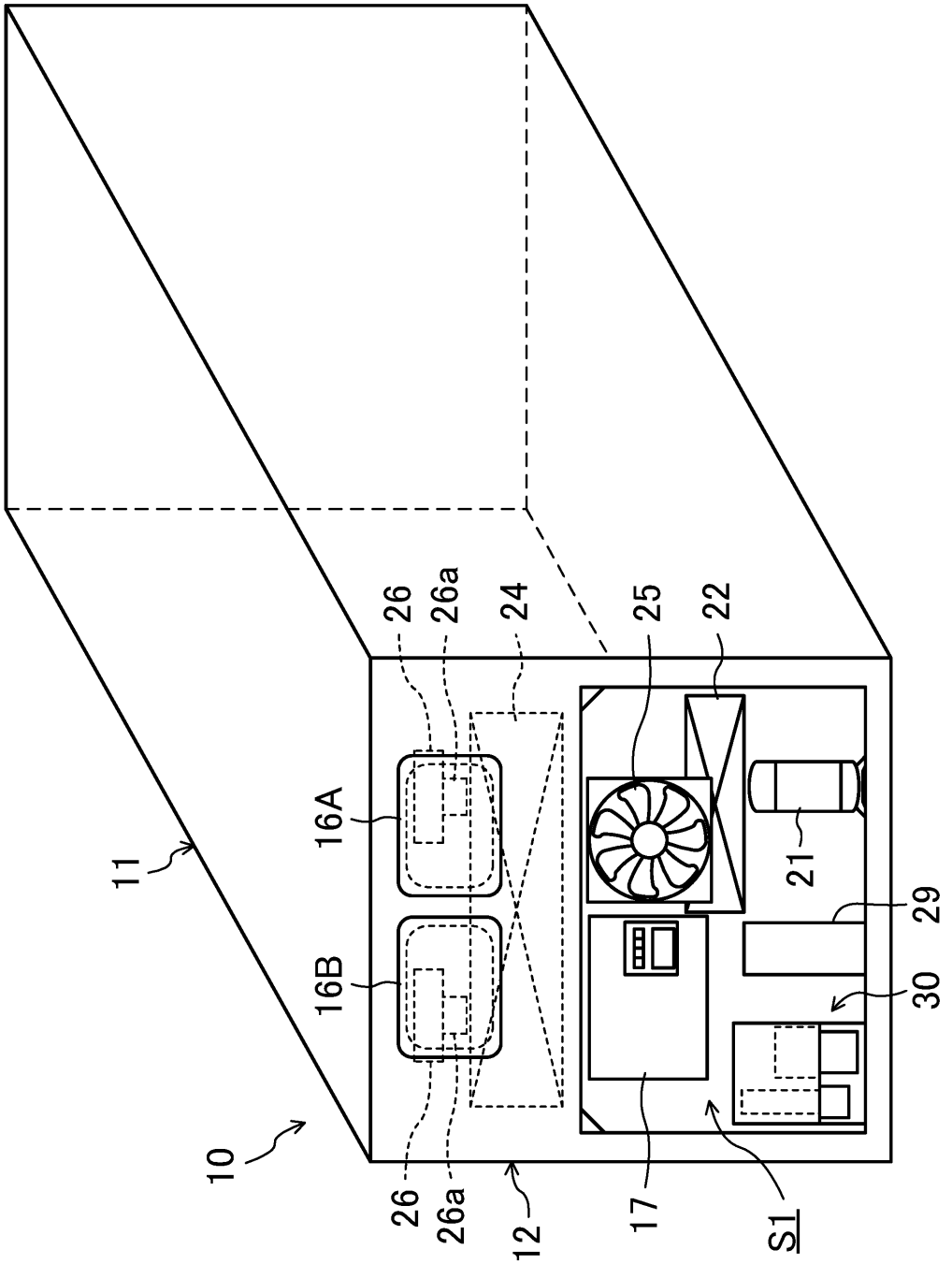


FIG. 10

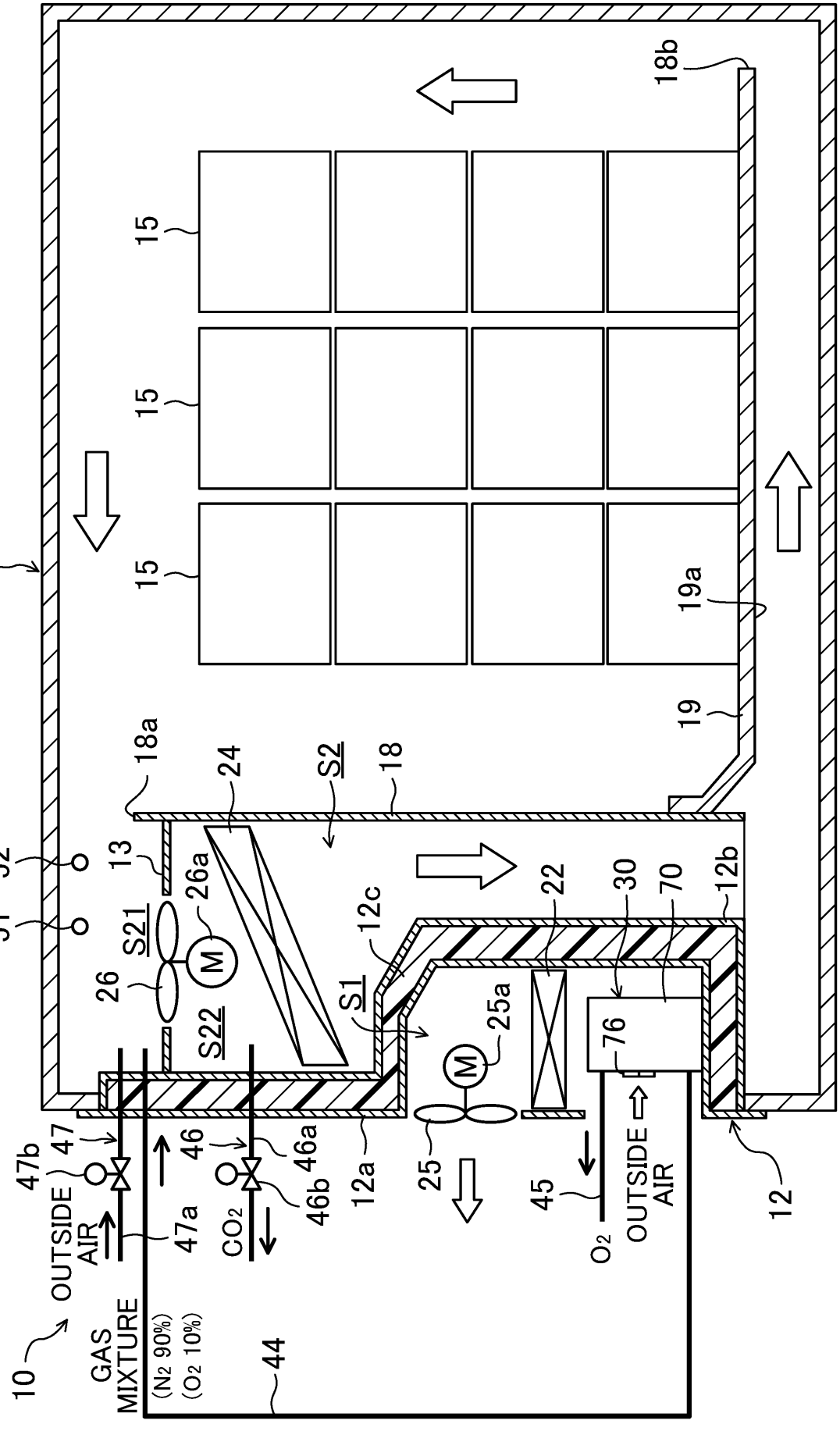

10
11
12
12a
12b
12c
13
15
18
18a
18b
19
19a
22
24
25
25a
26
26a
30
44
45
46
46a
46b
47
47a
47b
51
52
70
76
S1
S2
S21
S22
M
GAS MIXTURE
(N2 90%)
(O2 10%)
OUTSIDE AIR
CO2
O2
OUTSIDE AIR

FIG. 11

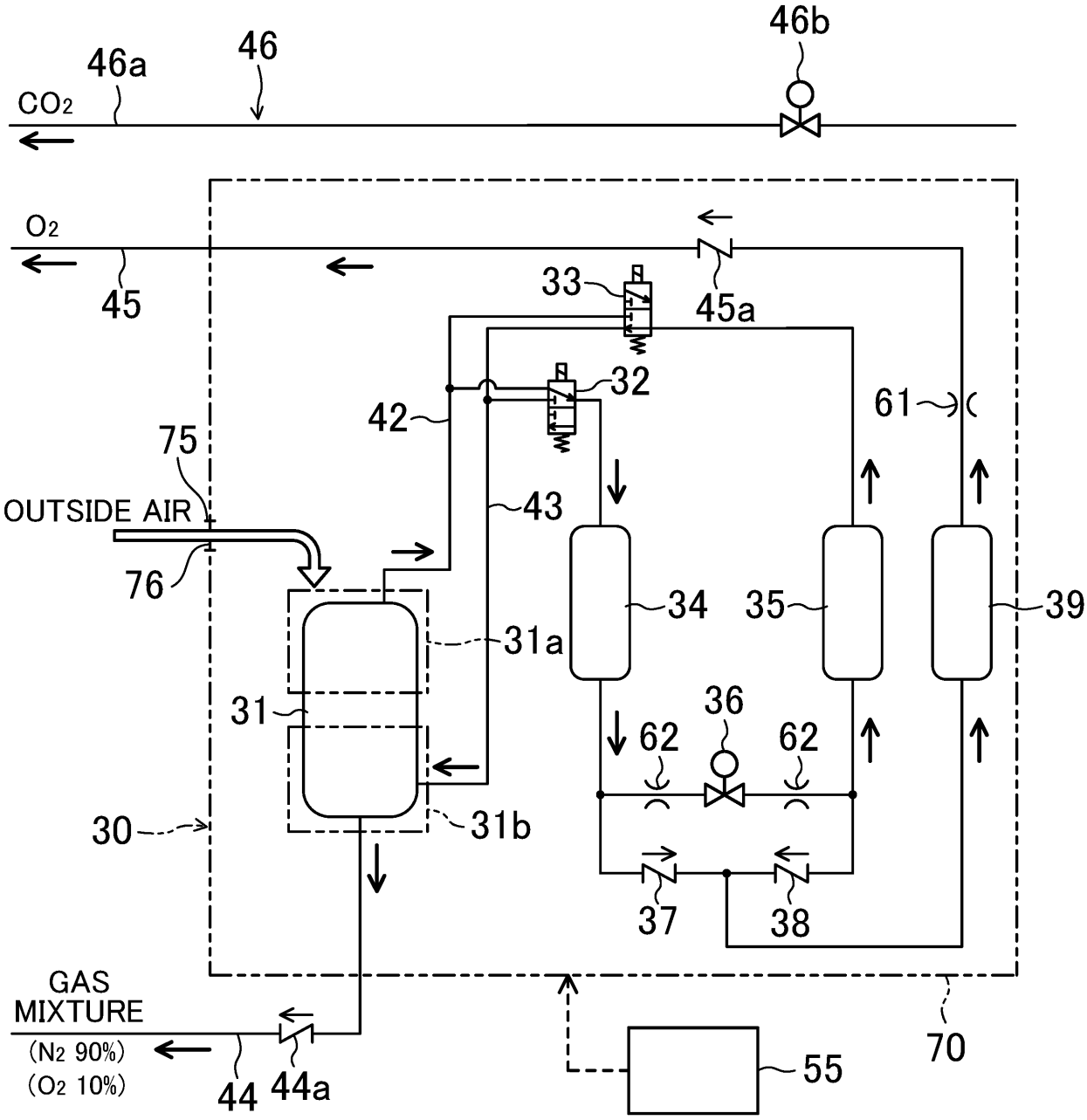

46b
46a
46
CO2
O2
45
45a
33
32
42
61
75
OUTSIDE AIR
43
76
34
35
39
31a
31
36
62
62
30
31b
37
38
GAS
MIXTURE
(N2 90%)
(O2 10%)
44
44a
55
70

FIG. 12

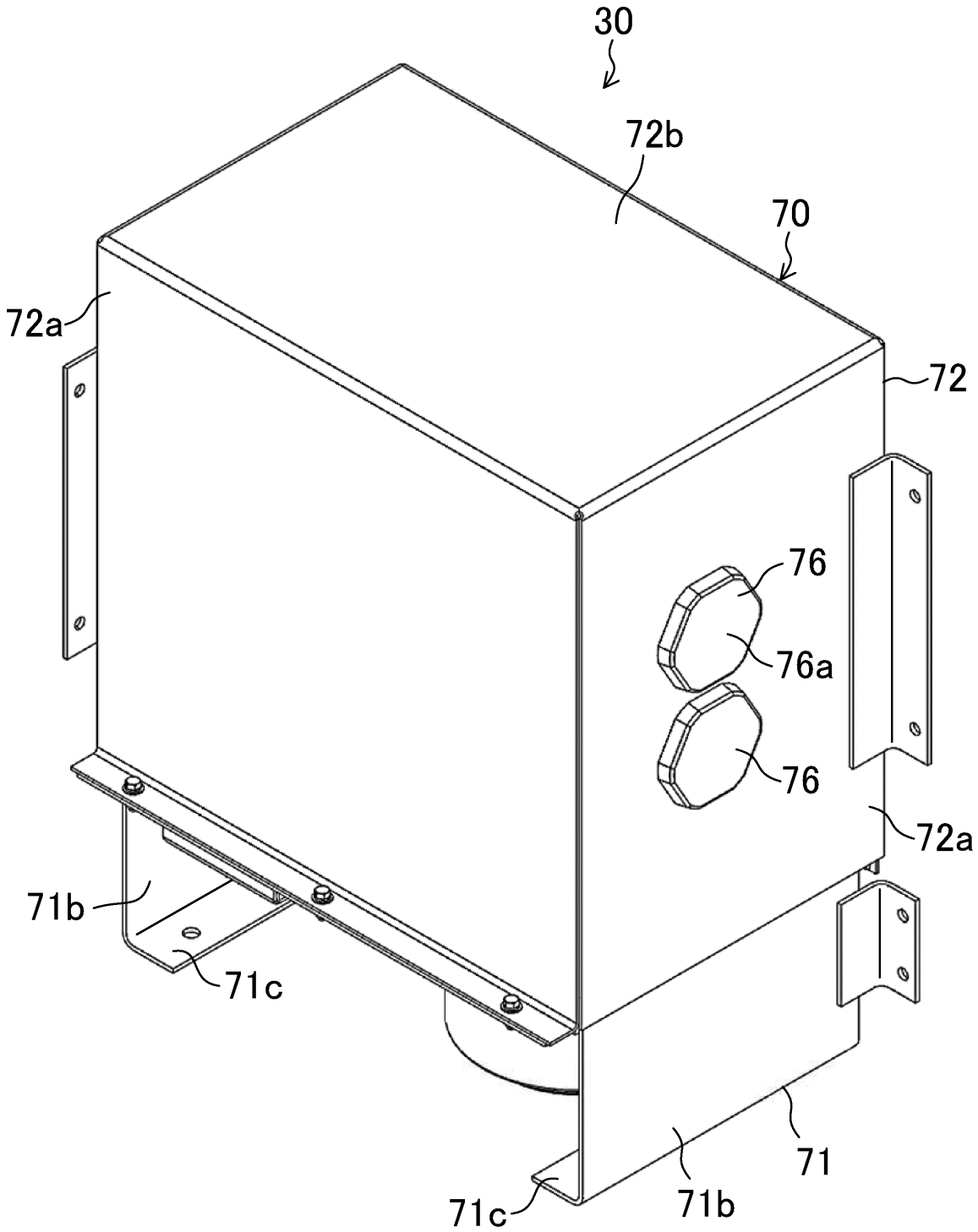


FIG. 13

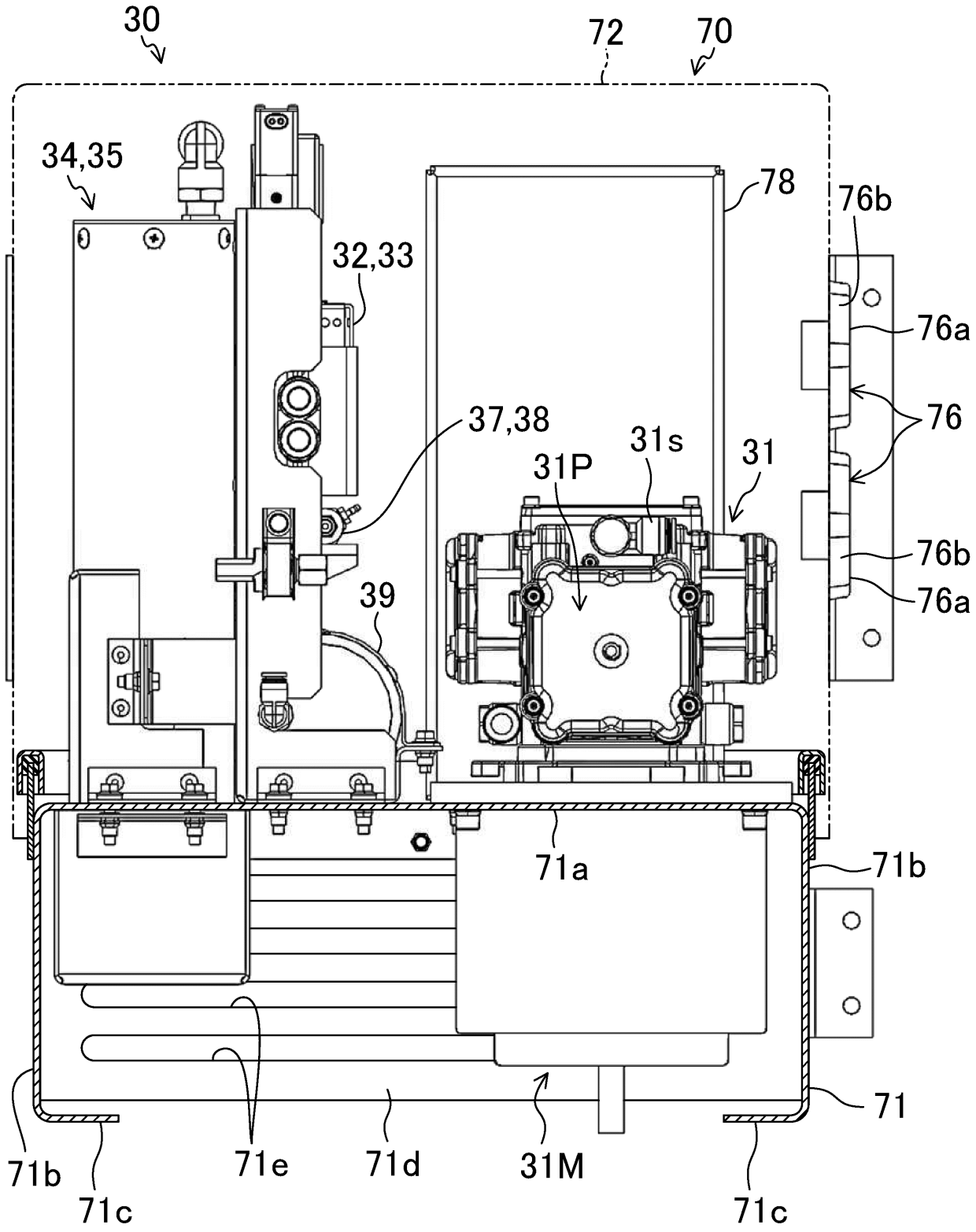

30
72
70
34,35
78
76b
32,33
76a
76
37,38
31s
31P
31
76b
76a
39
71a
71b
71
71b
71c
71e
71d
31M
71c

FIG. 14

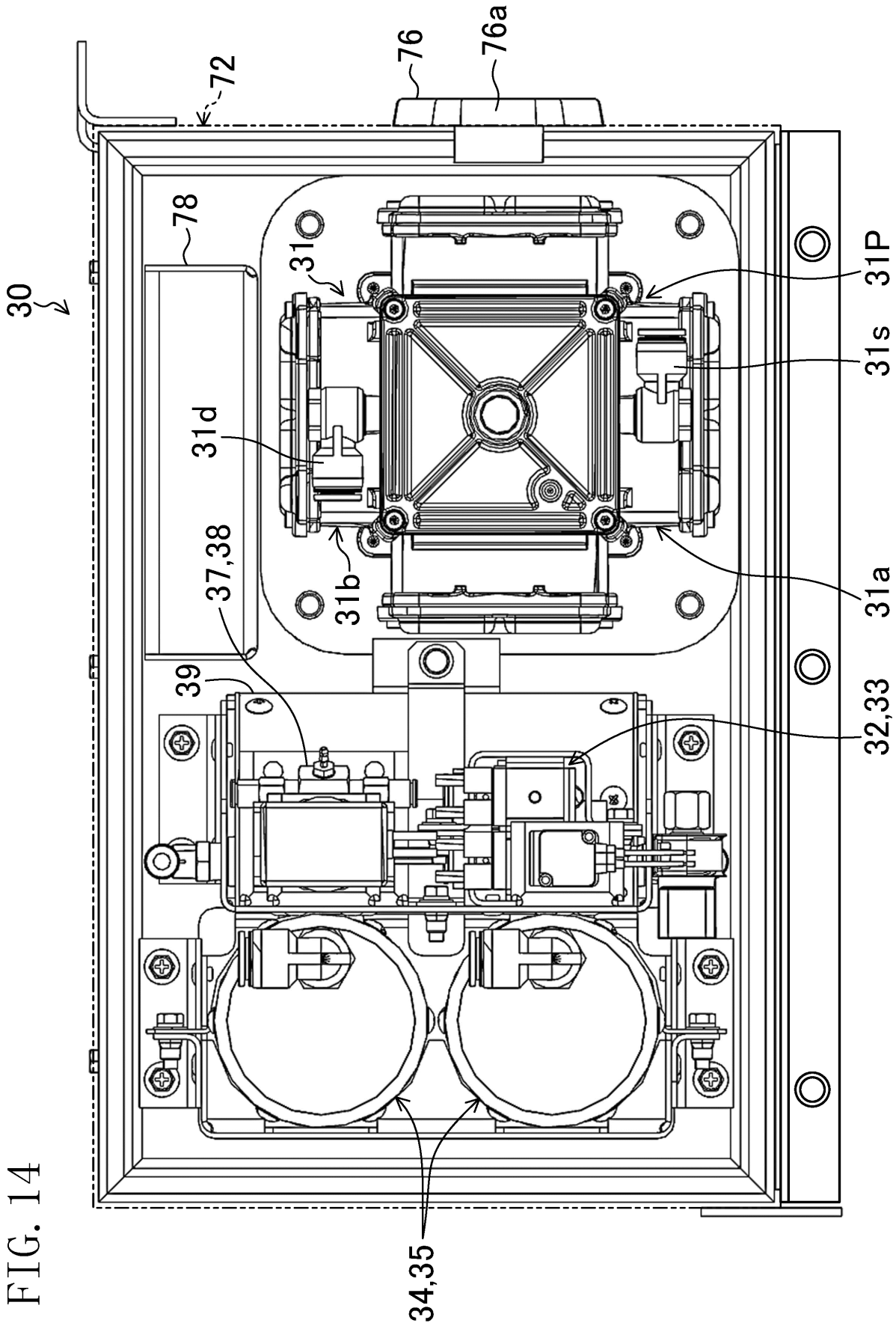


FIG. 15

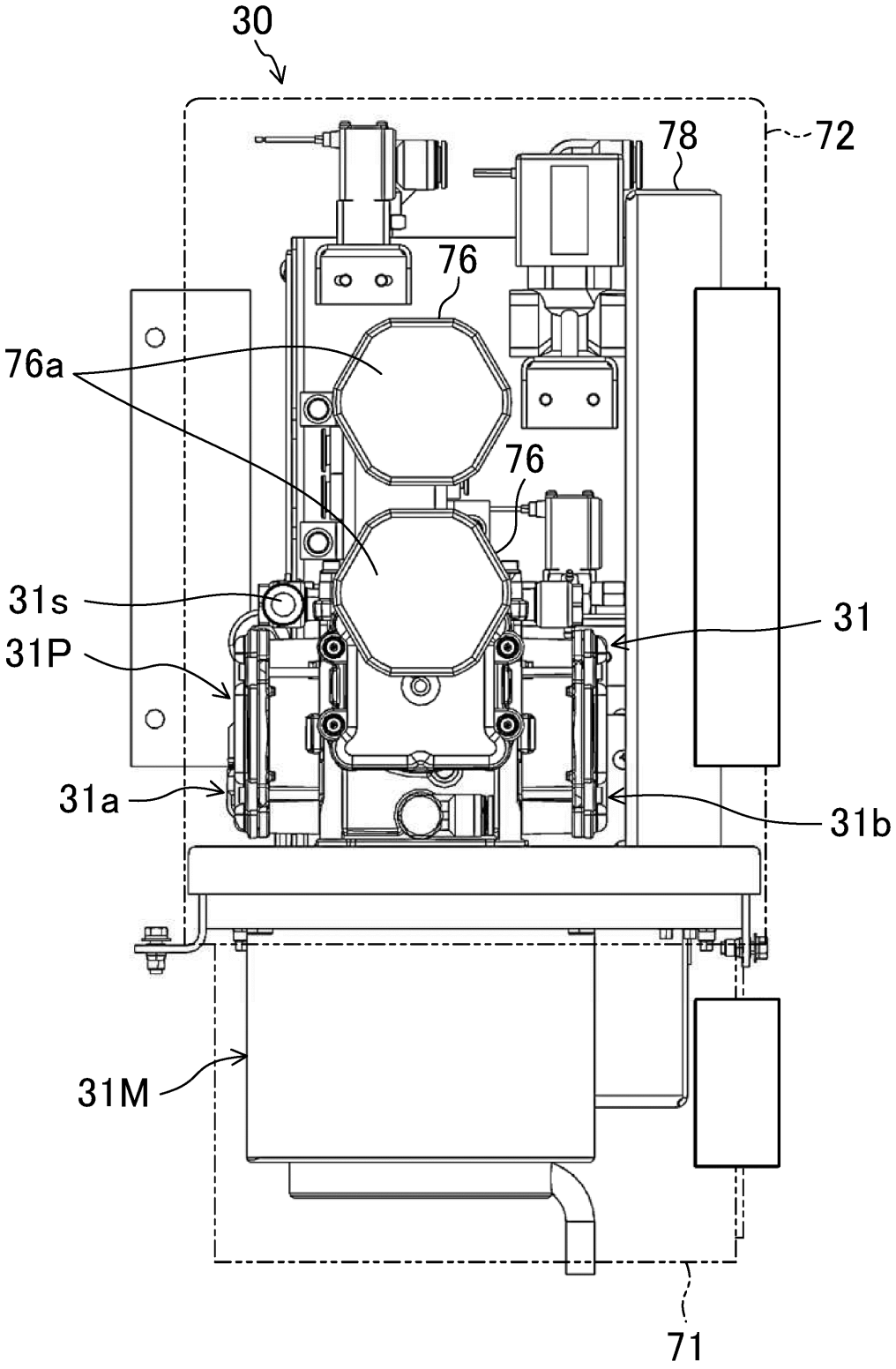


FIG. 16

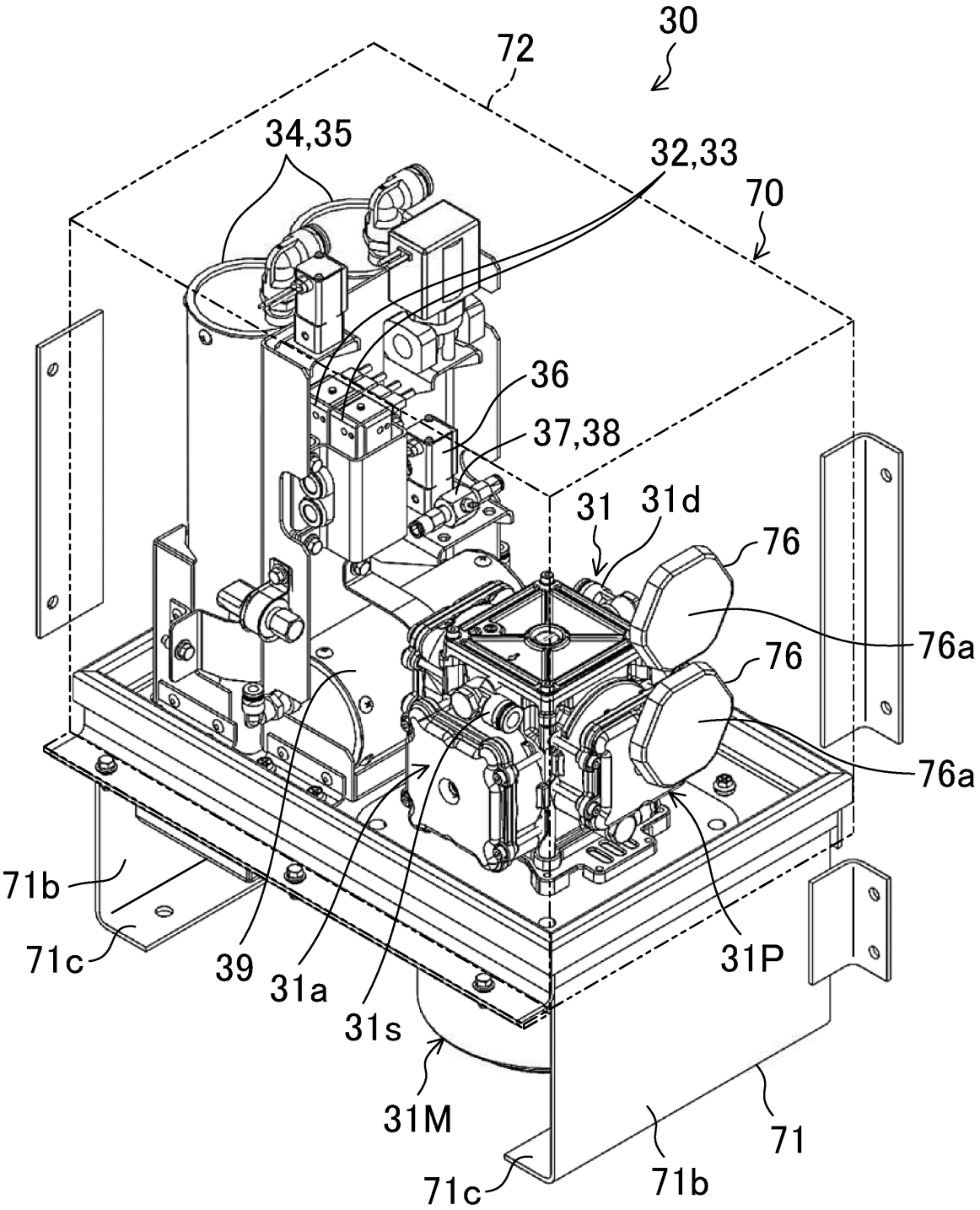

30
72
34,35
32,33
70
36
37,38
31
31d
76
76a
76
76a
71b
71c
39
31a
31s
31M
31P
71
71b
71c

FIG. 17

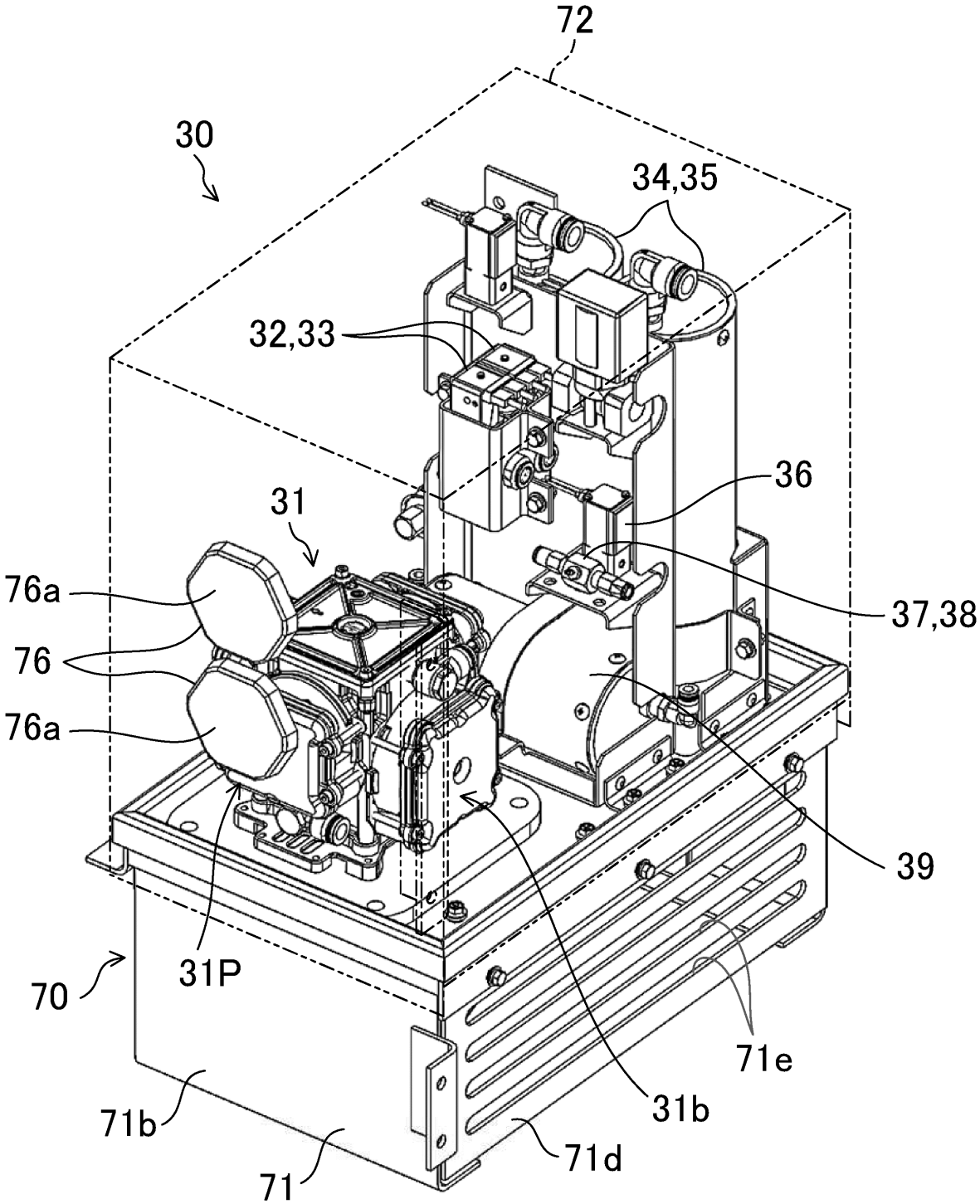


FIG. 18

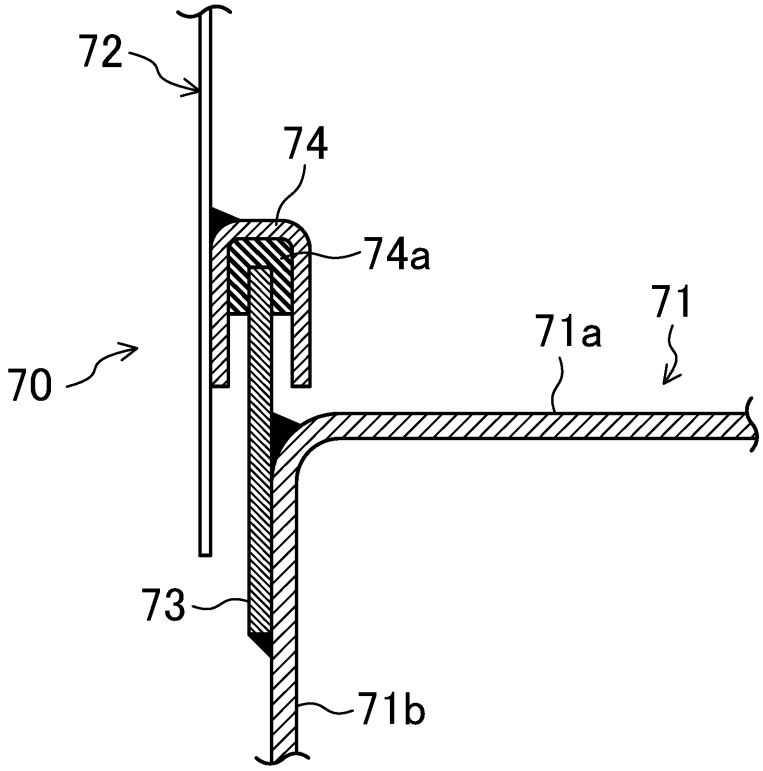


FIG. 19

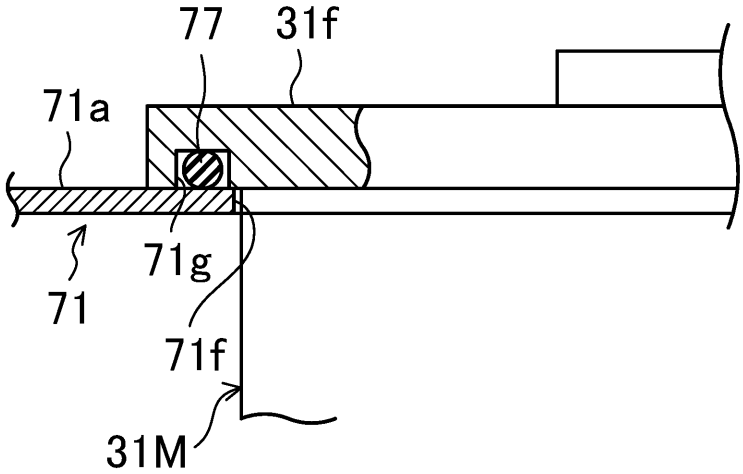


FIG. 20

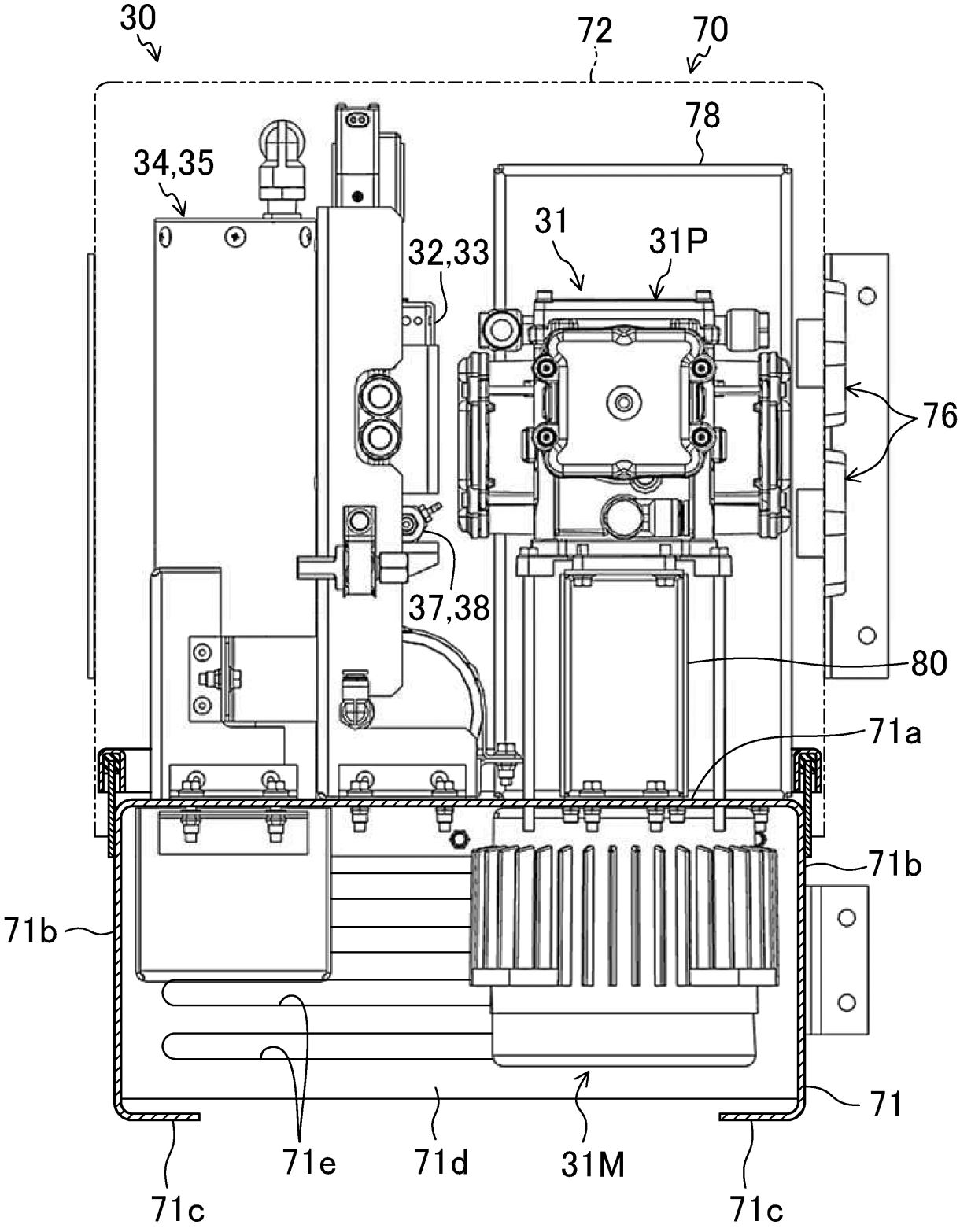

30
72
70
78
34,35
31
31P
32,33
76
37,38
80
71a
71b
71b
71
71e
71d
31M
71c
71c

FIG. 21

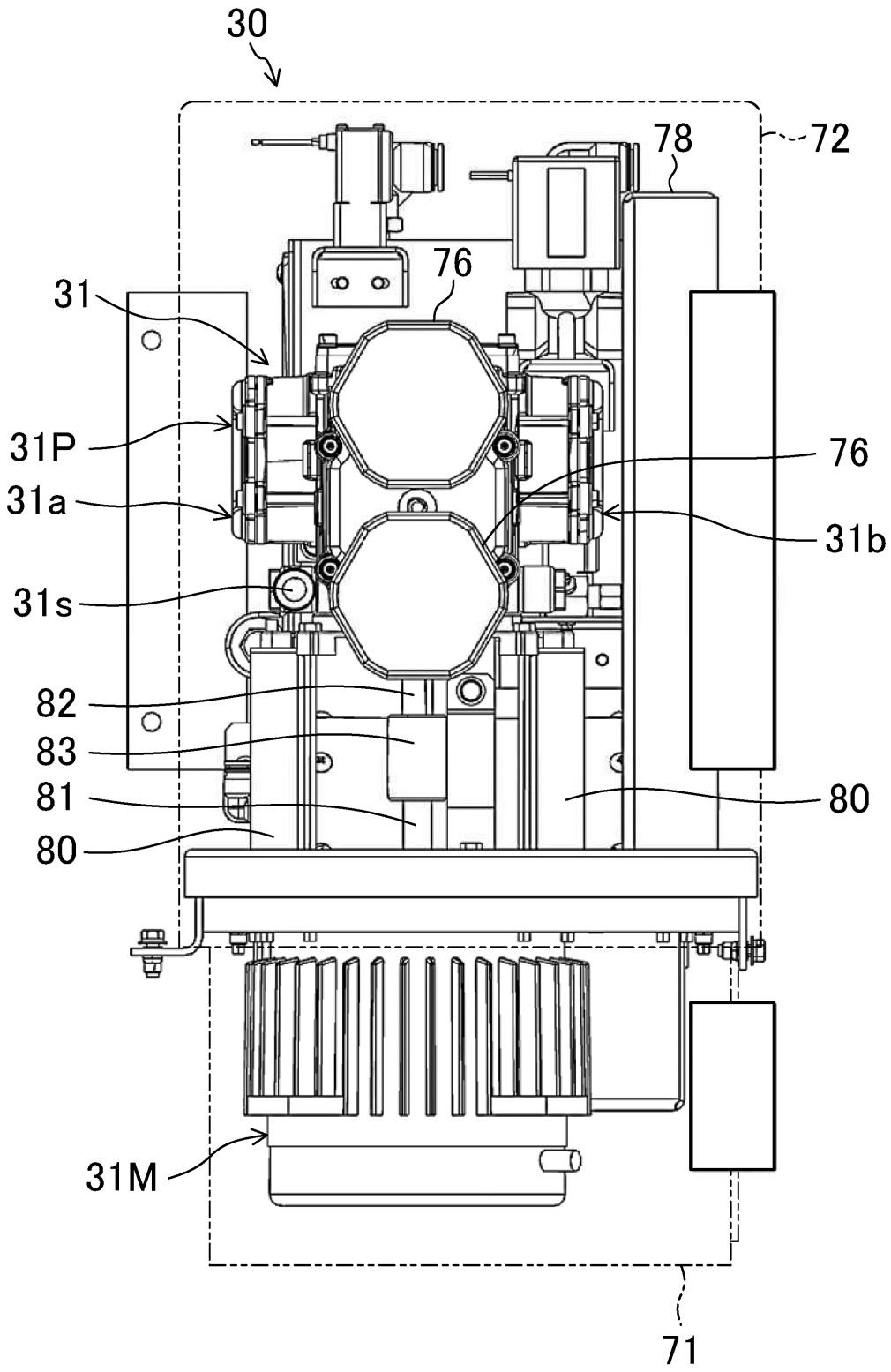


FIG. 22

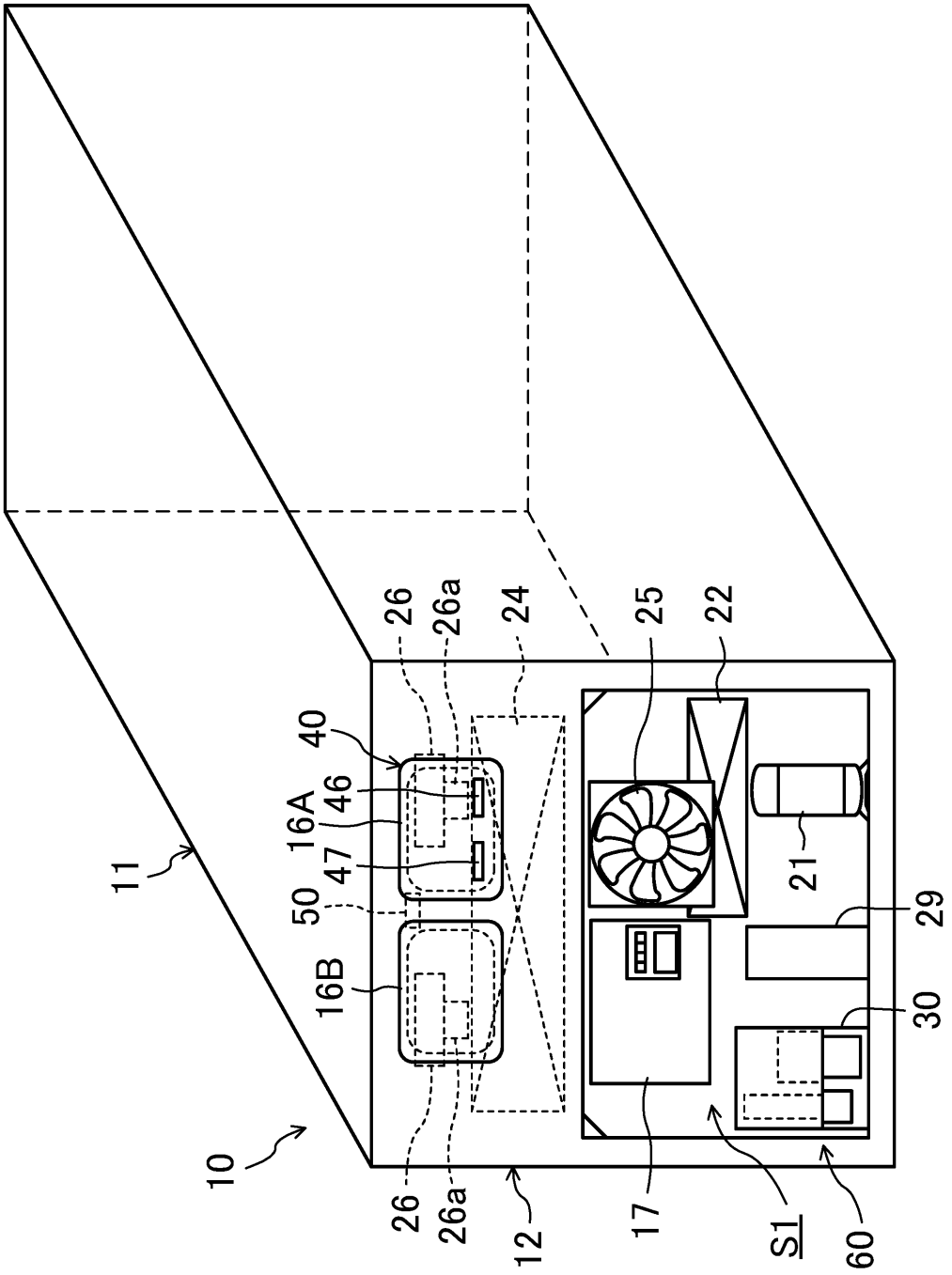


FIG. 23

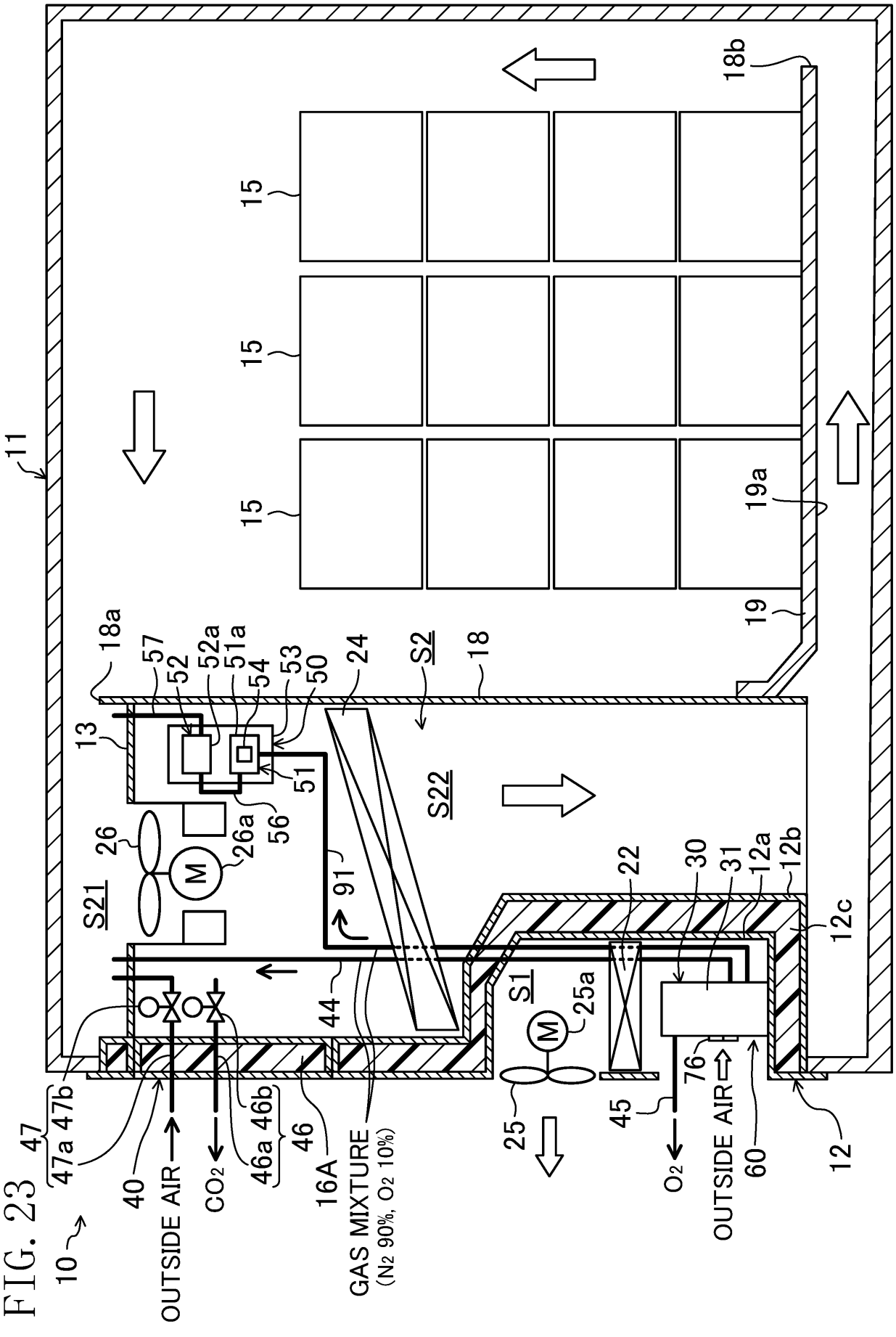

10
11
12
12a
12b
12c
13
15
16A
18
18a
18b
19
19a
22
24
25
25a
26
26a
30
31
40
44
45
46
46a
46b
47
47a
47b
50
51
51a
52
52a
53
54
56
57
60
76
91
S1
S2
S21
S22
M
OUTSIDE AIR
CO2
GAS MIXTURE
(N2 90%, O2 10%)
O2
OUTSIDE AIR

FIG. 24

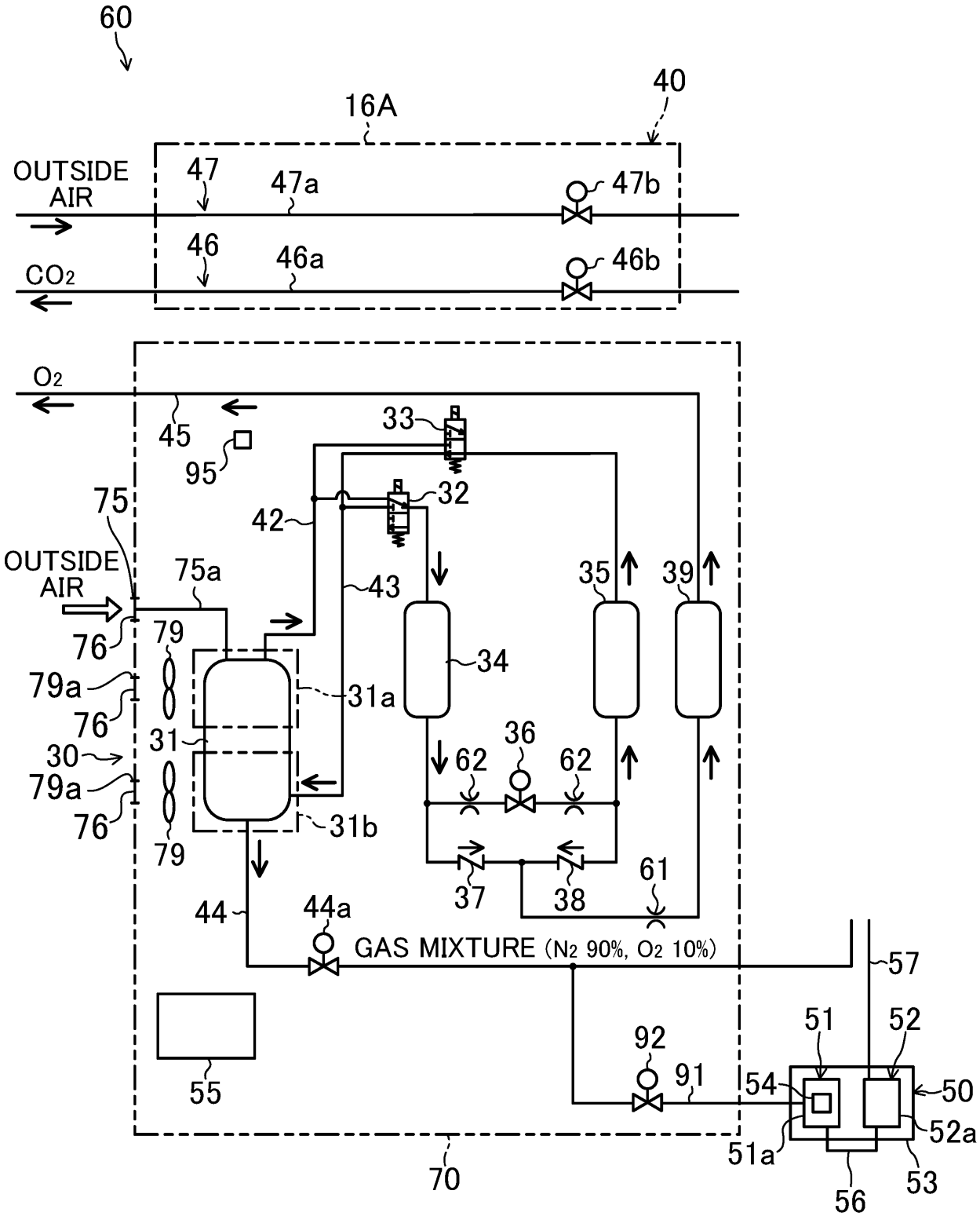

60
40
16A
OUTSIDE AIR
47
47a
47b
46
46a
46b
CO2
O2
45
95
33
32
42
75
OUTSIDE AIR
75a
43
35
39
34
76
79
79a
31a
31
30
36
62
62
31b
37
38
61
44
44a
GAS MIXTURE (N2 90%, O2 10%)
57
51
52
92
91
54
50
52a
55
51a
53
56
70

FIG. 25

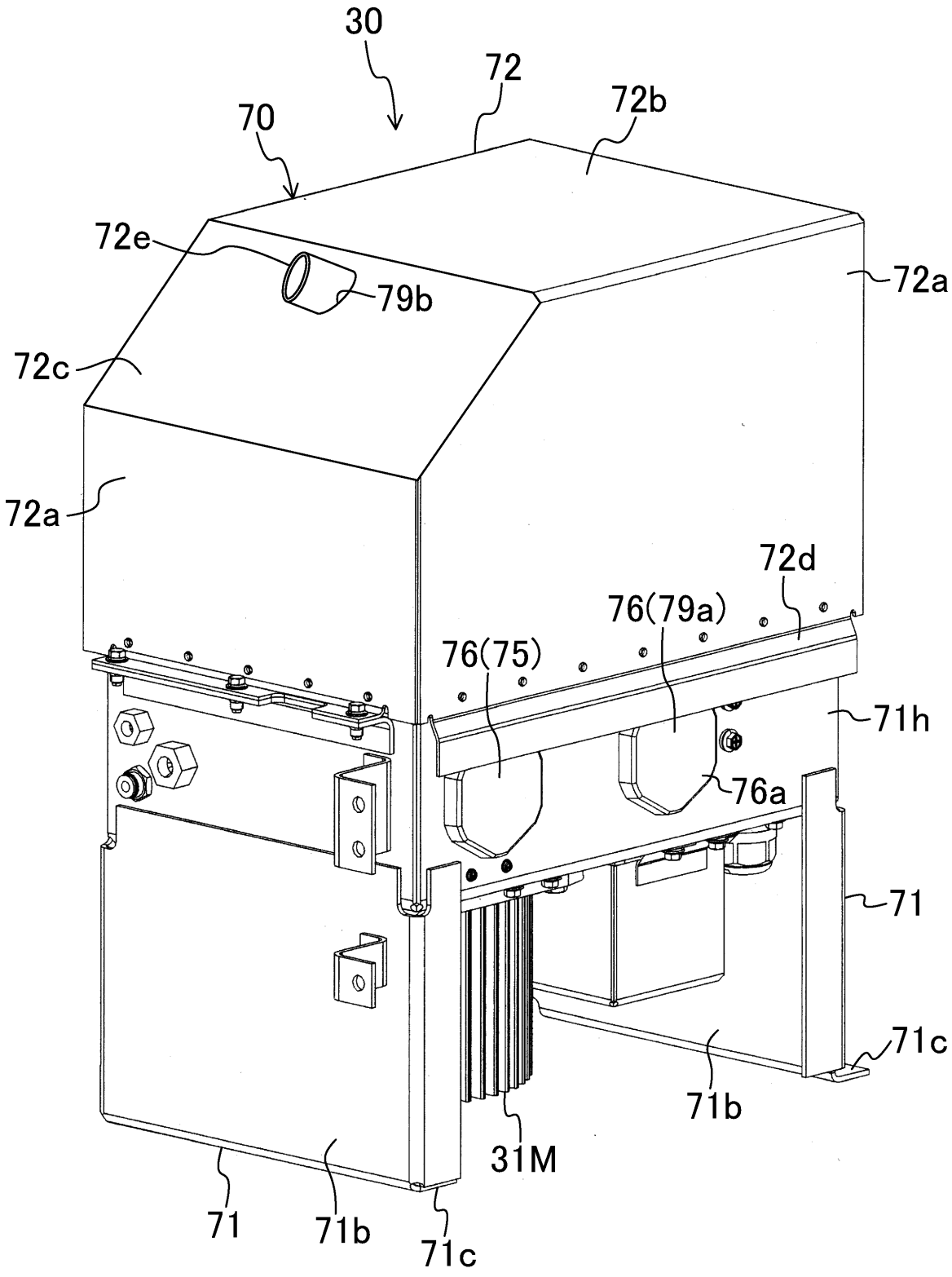
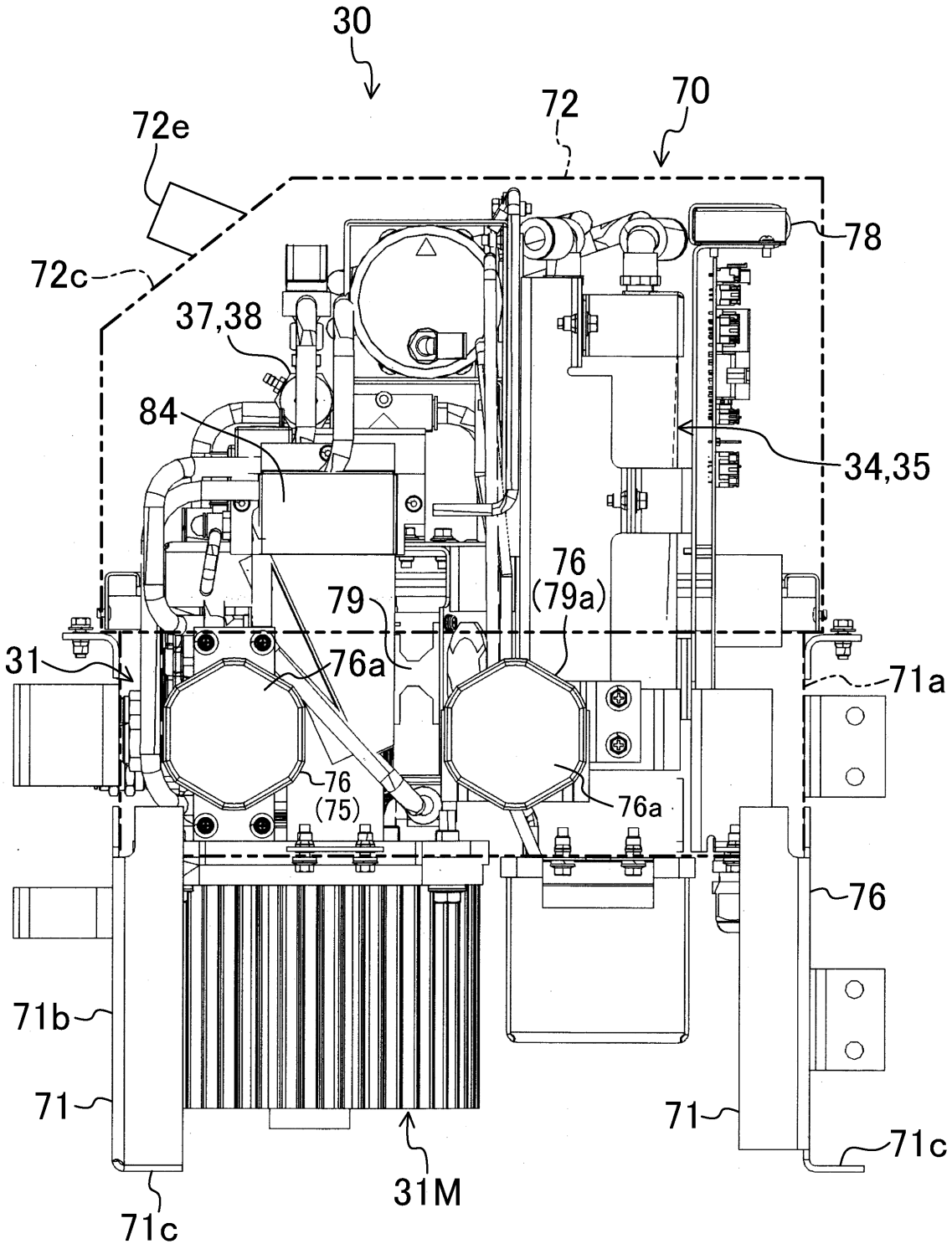

30
72
72b
70
72e
79b
72a
72c
72a
72d
76(79a)
76(75)
71h
76a
71
71c
71b
31M
71
71b
71c

FIG. 26


30
72
70
72e
72c
78
37,38
84
34,35
76
(79a)
79
31
76a
71a
76
(75)
76a
76
71b
71
71
71c
31M
71c

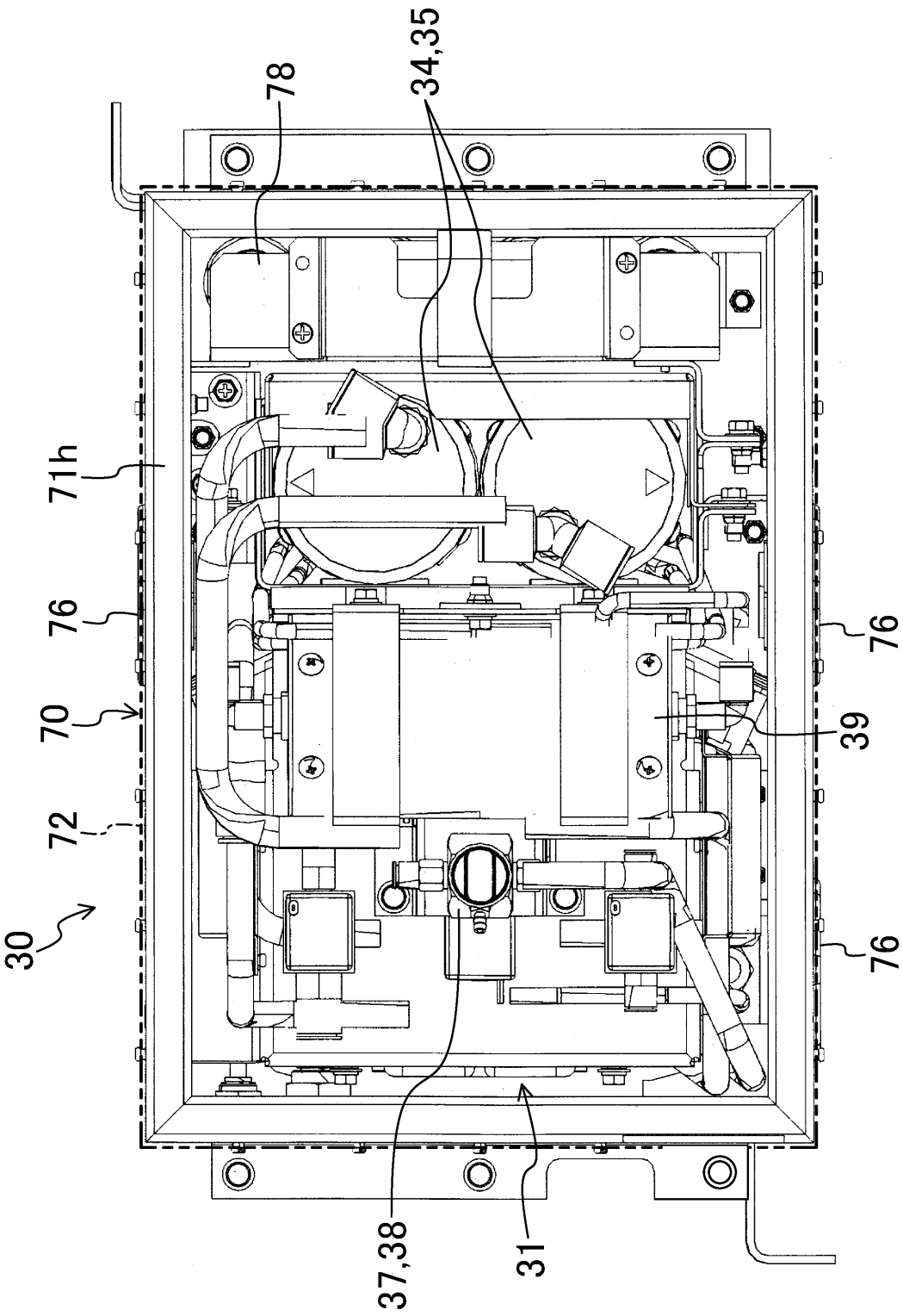


FIG. 27

FIG. 28

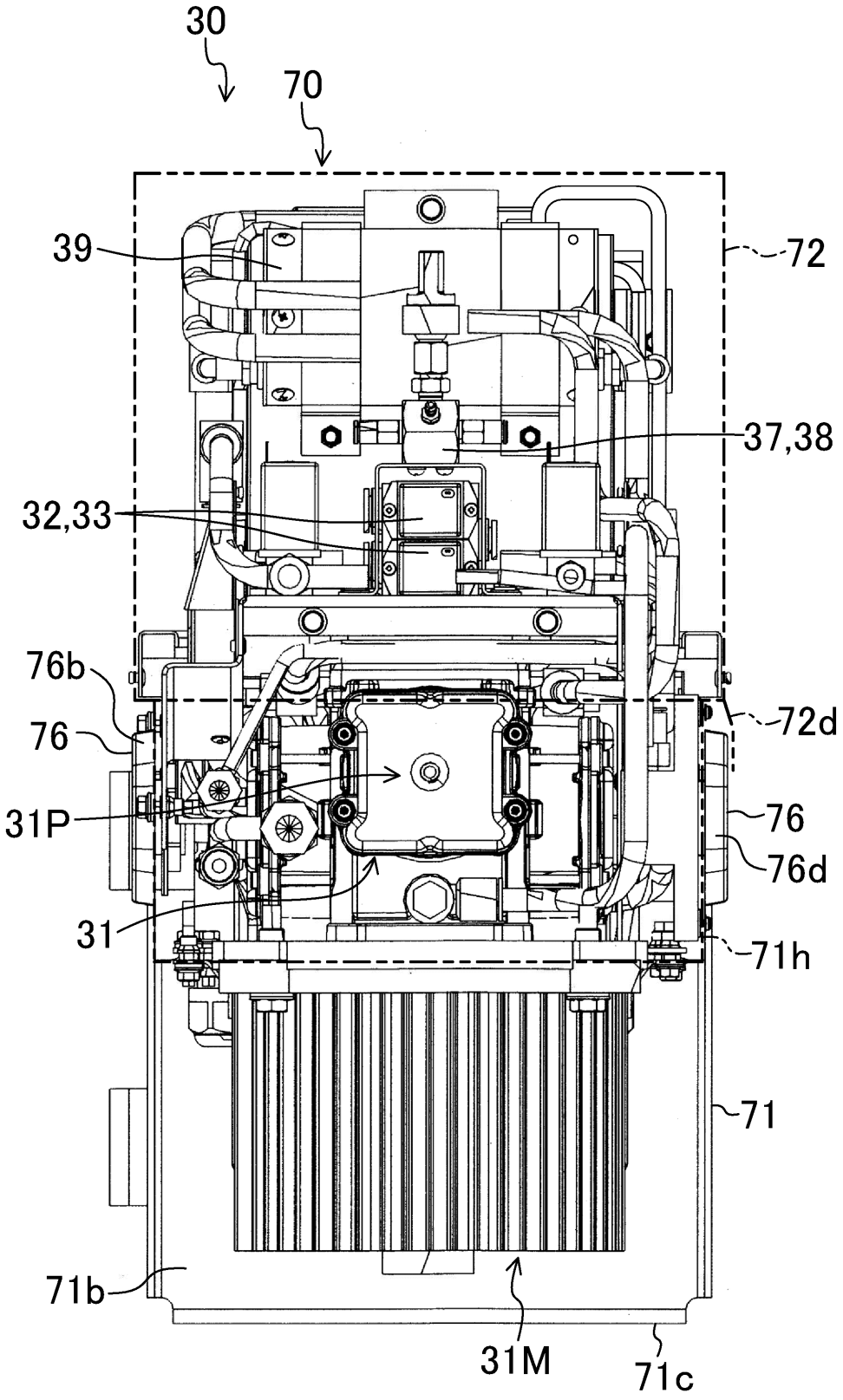


FIG. 29

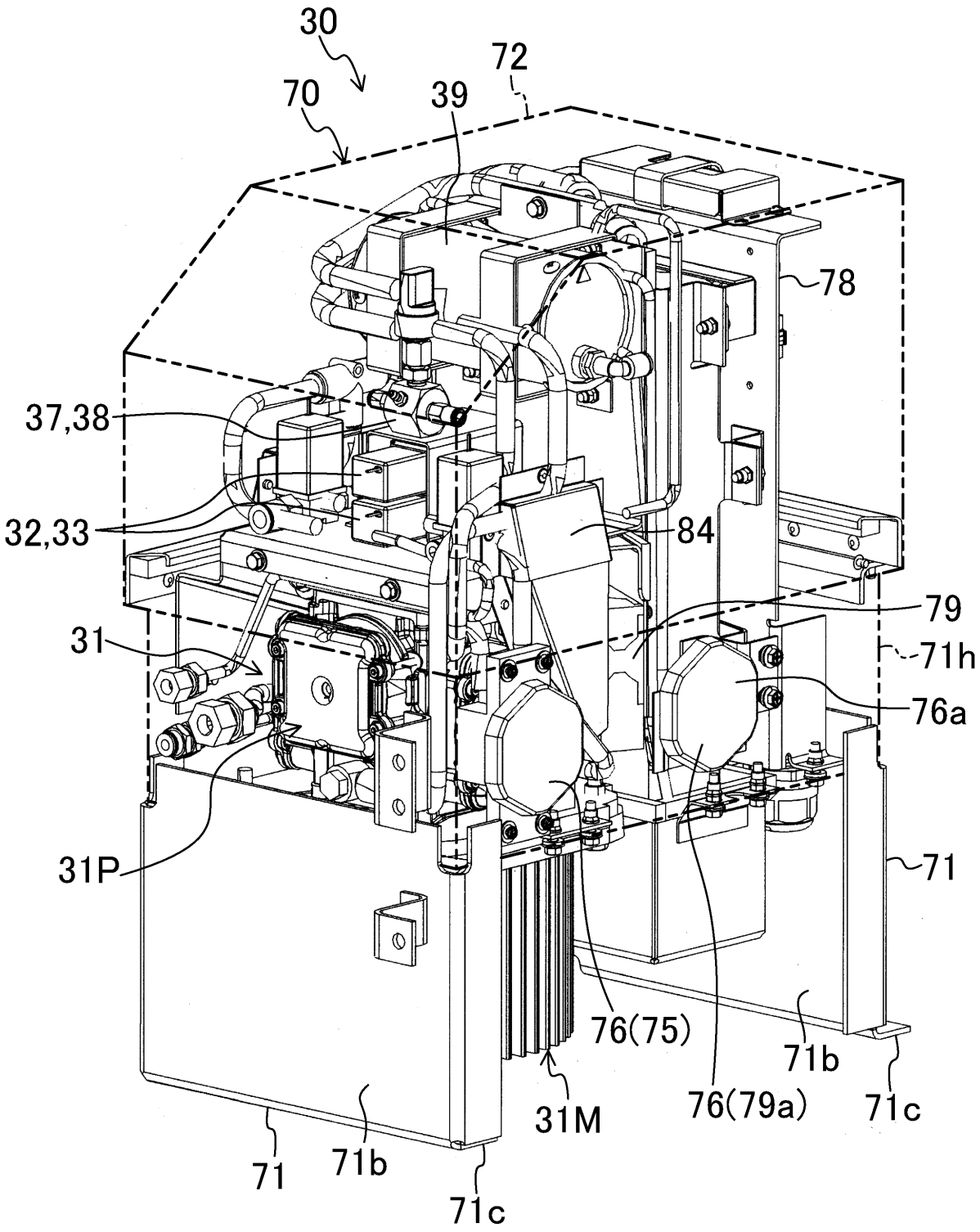
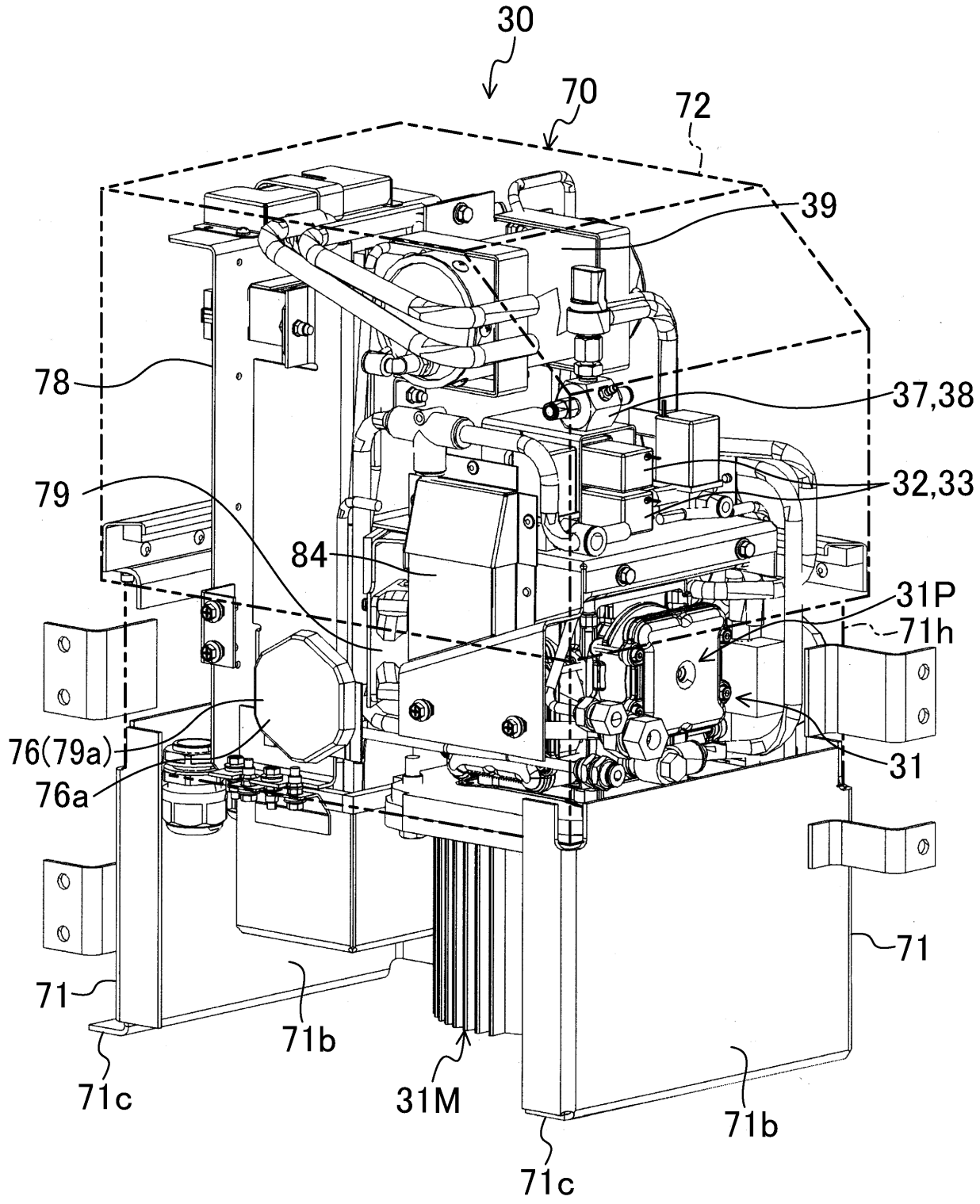

30
72
70
39
78
37,38
32,33
84
79
31
71h
76a
31P
71
76(75)
71b
31M
76(79a)
71c
71
71b
71c

FIG. 30


30
70
72
39
78
37,38
79
32,33
84
31P
71h
76(79a)
31
76a
71
71
71b
71c
31M
71b
71c