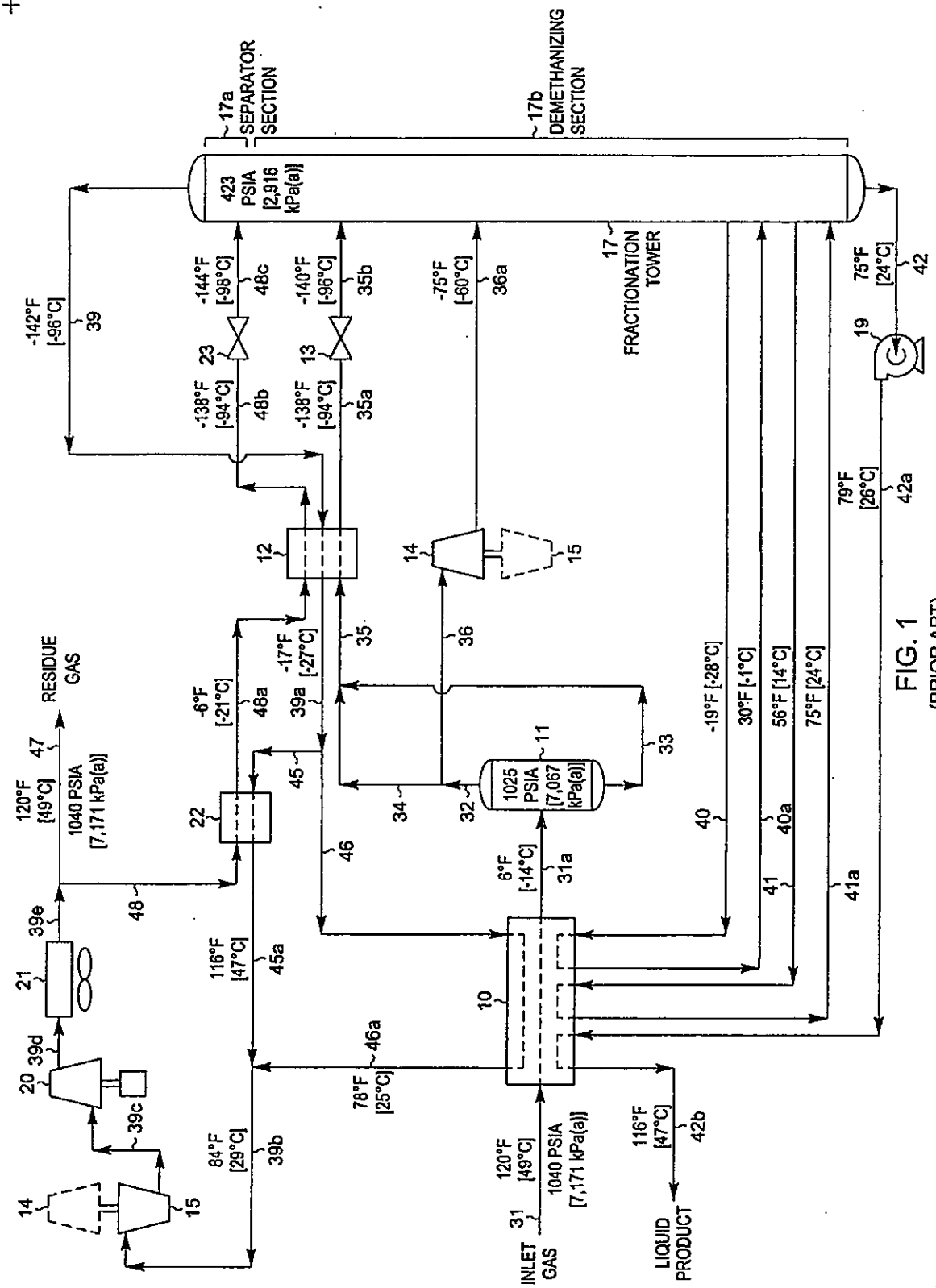


FIG. 1
(PRIOR ART)

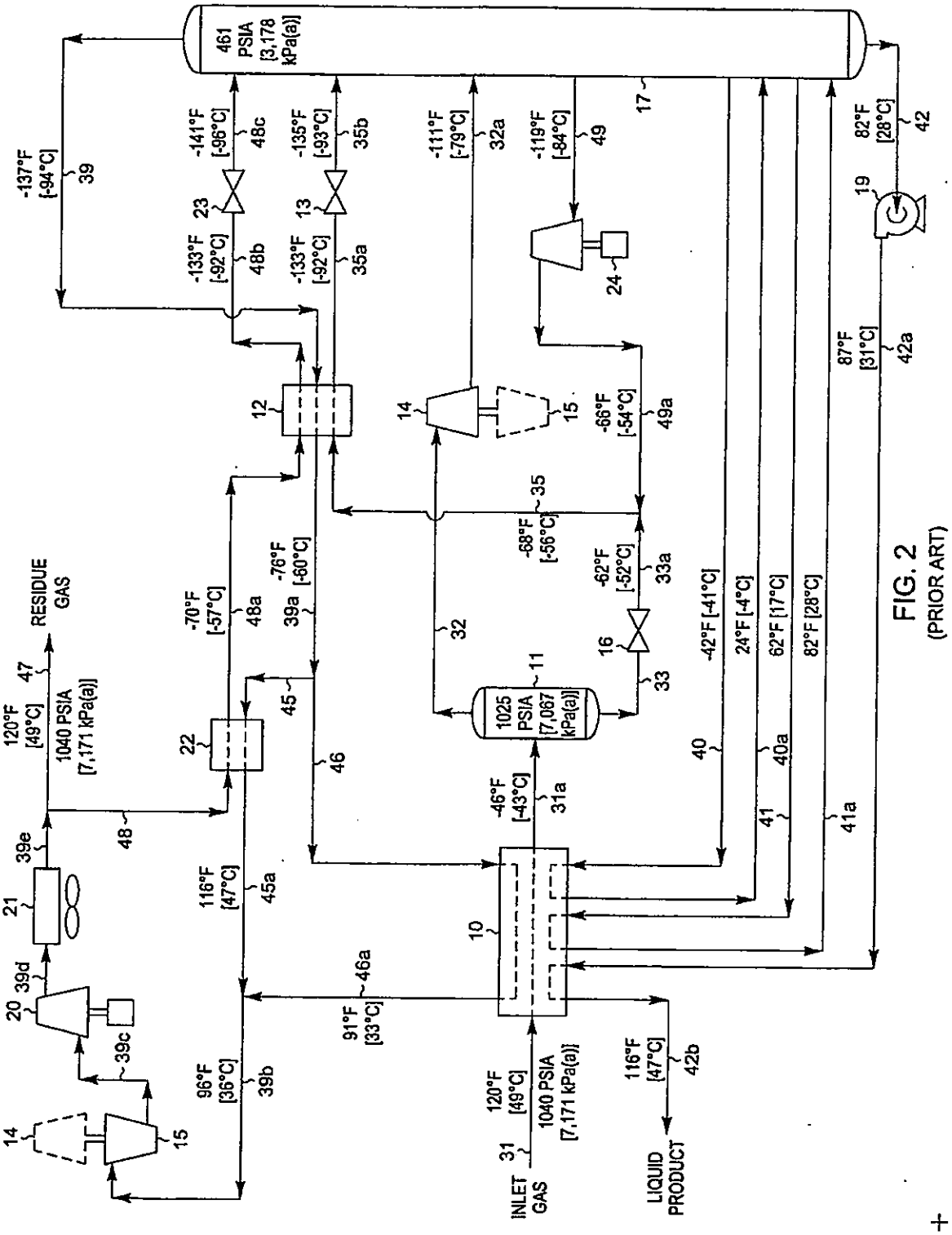


FIG. 2
(PRIOR ART)

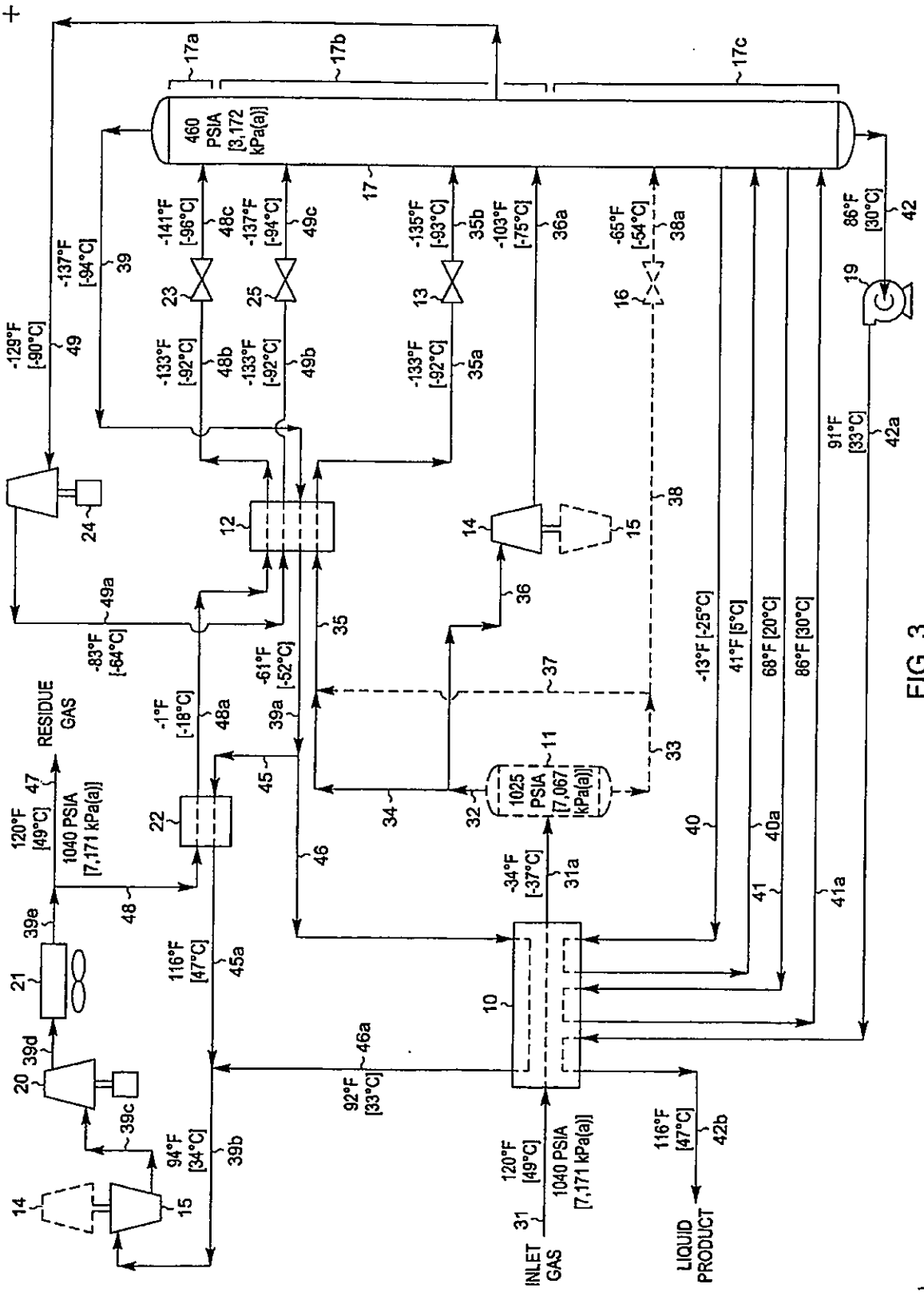

17a
17b
17c
460 PSIA [3,172 kPa(a)]
17
-141°F [-96°C]
48c
-137°F [-94°C]
49c
-135°F [-93°C]
35b
-103°F [-75°C]
36a
-65°F [-54°C]
38a
86°F [30°C]
42
-137°F [-94°C]
39
23
25
13
16
19
-129°F [-90°C]
49
-133°F [-92°C]
48b
-133°F [-92°C]
49b
-133°F [-92°C]
35a
91°F [33°C]
42a
24
12
14
15
38
49a
36
-83°F [-64°C]
-61°F [-52°C]
35
37
-13°F [-25°C]
41°F [5°C]
68°F [20°C]
86°F [30°C]
RESIDUE GAS
47
-1°F [-18°C]
48a
39a
45
11
1025 PSIA [7,067 kPa(a)]
33
120°F [49°C]
1040 PSIA [7,171 kPa(a)]
22
34
32
40
40a
48
46
-34°F [-37°C]
31a
39e
41
41a
21
116°F [47°C]
45a
10
39d
46a
20
92°F [33°C]
39c
94°F [34°C]
39b
120°F [49°C]
1040 PSIA [7,171 kPa(a)]
116°F [47°C]
42b
31
INLET GAS
LIQUID PRODUCT

FIG. 3

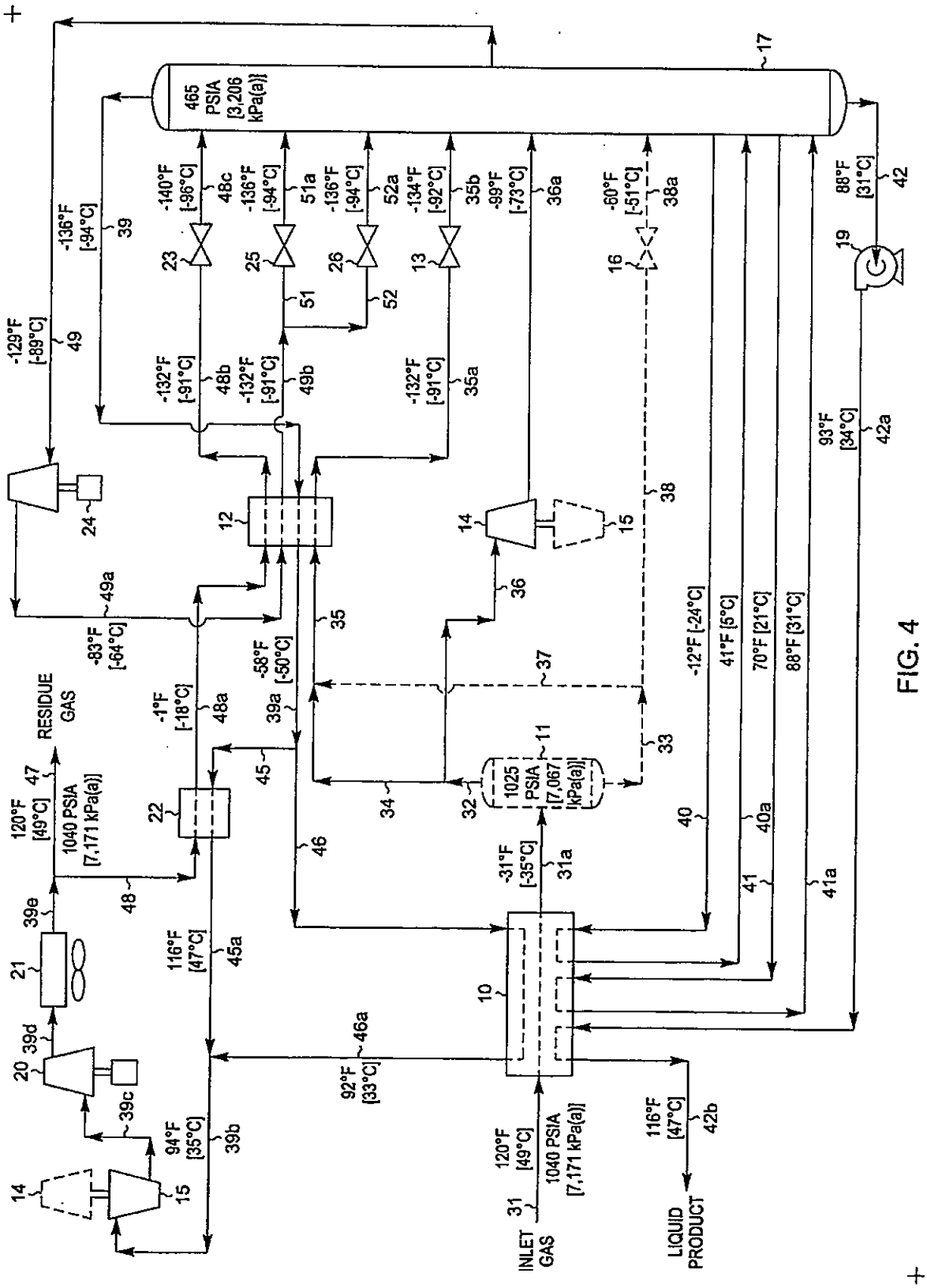

465 PSIA [3,206 kPa(a)]
17
-140°F [-96°C]
48c
-136°F [-94°C]
51a
-136°F [-94°C]
52a
-134°F [-92°C]
35b
-99°F [-73°C]
36a
-60°F [-51°C]
38a
88°F [31°C]
42
-136°F [-94°C]
39
-129°F [-89°C]
49
-132°F [-91°C]
48b
-132°F [-91°C]
49b
-132°F [-91°C]
35a
93°F [34°C]
42a
-83°F [-64°C]
49a
-58°F [-50°C]
35
-1°F [-18°C]
48a
39a
RESIDUE GAS
120°F [49°C]
47
1040 PSIA [7,171 kPa(a)]
48
1025 PSIA [7,067 kPa(a)]
11
-12°F [-24°C]
41°F [5°C]
70°F [21°C]
88°F [31°C]
-31°F [-35°C]
31a
116°F [47°C]
45a
92°F [33°C]
46a
94°F [35°C]
39b
120°F [49°C]
1040 PSIA [7,171 kPa(a)]
31
INLET GAS
116°F [47°C]
42b
LIQUID PRODUCT
12
14
15
24
22
21
20
10
19
16
13
23
25
26
51
52
45
46
34
32
33
36
37
38
40
40a
41
41a
39e
39d
39c

FIG. 4

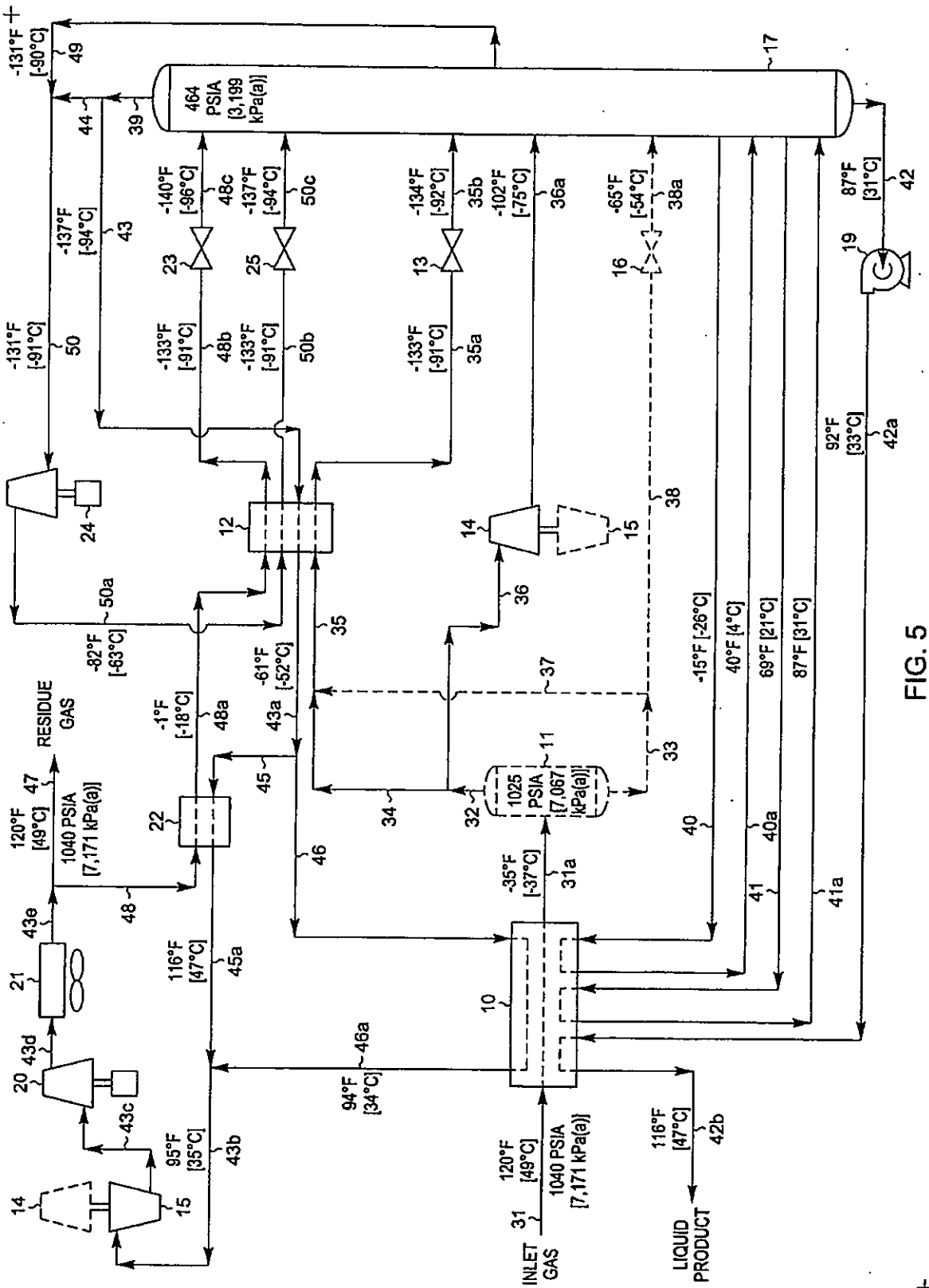

-131°F [-90°C]
49
17
464 PSIA [3,199 kPa(a)]
39
44
-140°F [-96°C]
48c
-137°F [-94°C]
50c
-134°F [-92°C]
35b
-102°F [-75°C]
36a
-65°F [-54°C]
38a
87°F [31°C]
42
-137°F [-94°C]
43
23
25
13
16
19
-131°F [-91°C]
50
-133°F [-91°C]
48b
-133°F [-91°C]
50b
-133°F [-91°C]
35a
92°F [33°C]
42a
24
12
14
15
38
50a
-82°F [-63°C]
-61°F [-52°C]
35
36
-15°F [-26°C]
40°F [4°C]
69°F [21°C]
87°F [31°C]
-1°F [-18°C]
48a
43a
37
RESIDUE GAS
47
120°F [49°C]
1040 PSIA [7,171 kPa(a)]
45
11
1025 PSIA [7,067 kPa(a)]
33
22
34
32
40
40a
48
46
-35°F [-37°C]
31a
41
41a
43e
21
116°F [47°C]
45a
10
43d
20
46a
94°F [34°C]
43c
95°F [35°C]
43b
14
15
120°F [49°C]
1040 PSIA [7,171 kPa(a)]
31
INLET GAS
116°F [47°C]
42b
LIQUID PRODUCT

FIG. 5

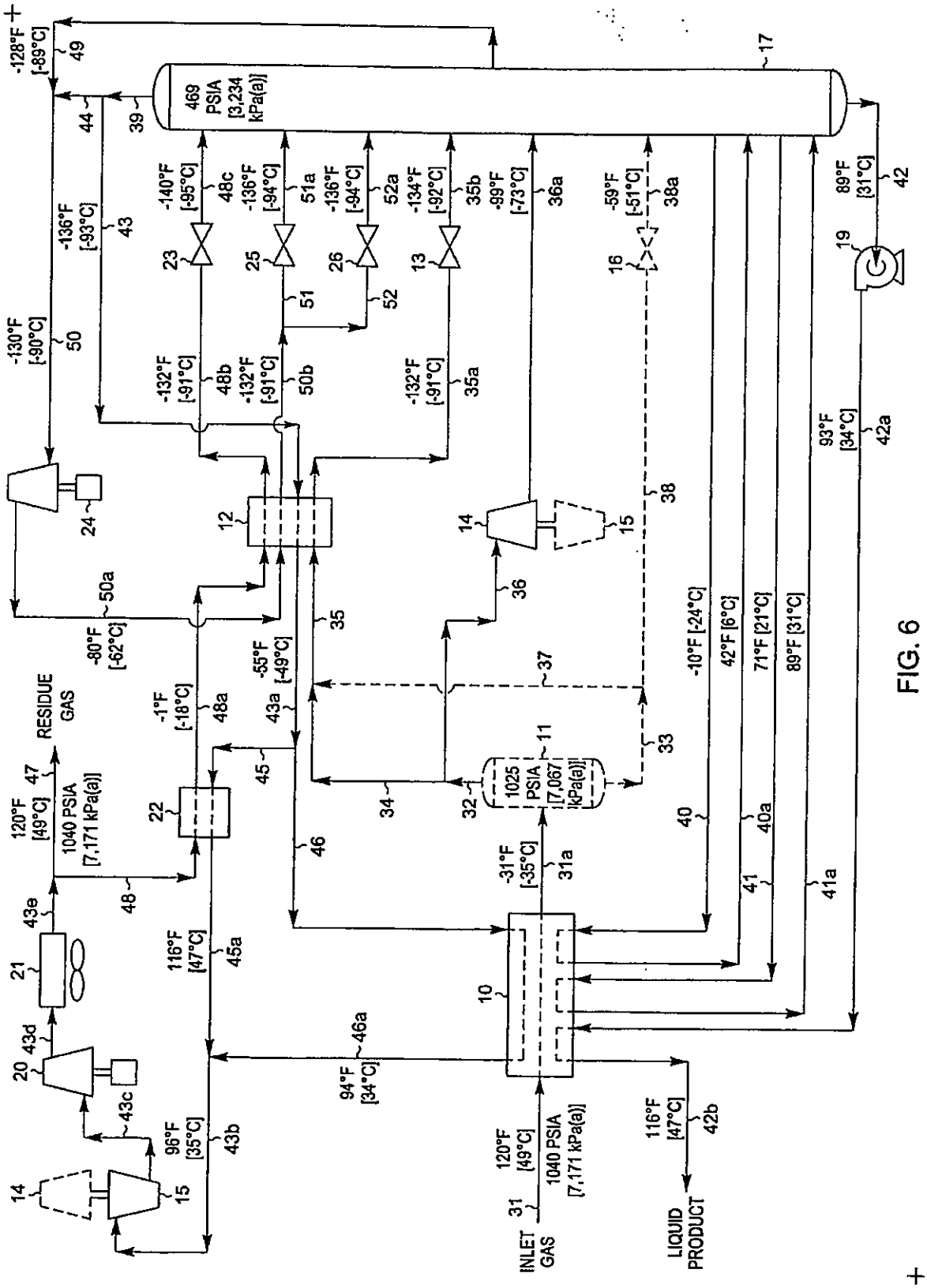

-128°F [-89°C]
49
469 PSIA [3,234 kPa(a)]
17
44
39
-140°F [-95°C]
48c
-136°F [-94°C]
51a
-136°F [-94°C]
52a
-134°F [-92°C]
35b
-99°F [-73°C]
36a
-59°F [-51°C]
38a
89°F [31°C]
42
-136°F [-93°C]
43
23
25
26
13
16
19
-130°F [-90°C]
50
51
52
-132°F [-91°C]
48b
-132°F [-91°C]
50b
-132°F [-91°C]
35a
93°F [34°C]
42a
24
12
14
15
38
50a
36
-80°F [-62°C]
-55°F [-49°C]
35
-10°F [-24°C]
42°F [6°C]
71°F [21°C]
89°F [31°C]
37
-1°F [-18°C]
48a
43a
RESIDUE GAS
47
120°F [49°C]
1040 PSIA [7,171 kPa(a)]
22
45
11
1025 PSIA [7,067 kPa(a)]
33
34
32
40
40a
41
41a
48
46
-31°F [-35°C]
31a
43e
21
116°F [47°C]
45a
10
43d
20
46a
94°F [34°C]
43c
96°F [35°C]
43b
14
15
120°F [49°C]
1040 PSIA [7,171 kPa(a)]
31
INLET GAS
116°F [47°C]
42b
LIQUID PRODUCT

FIG. 6

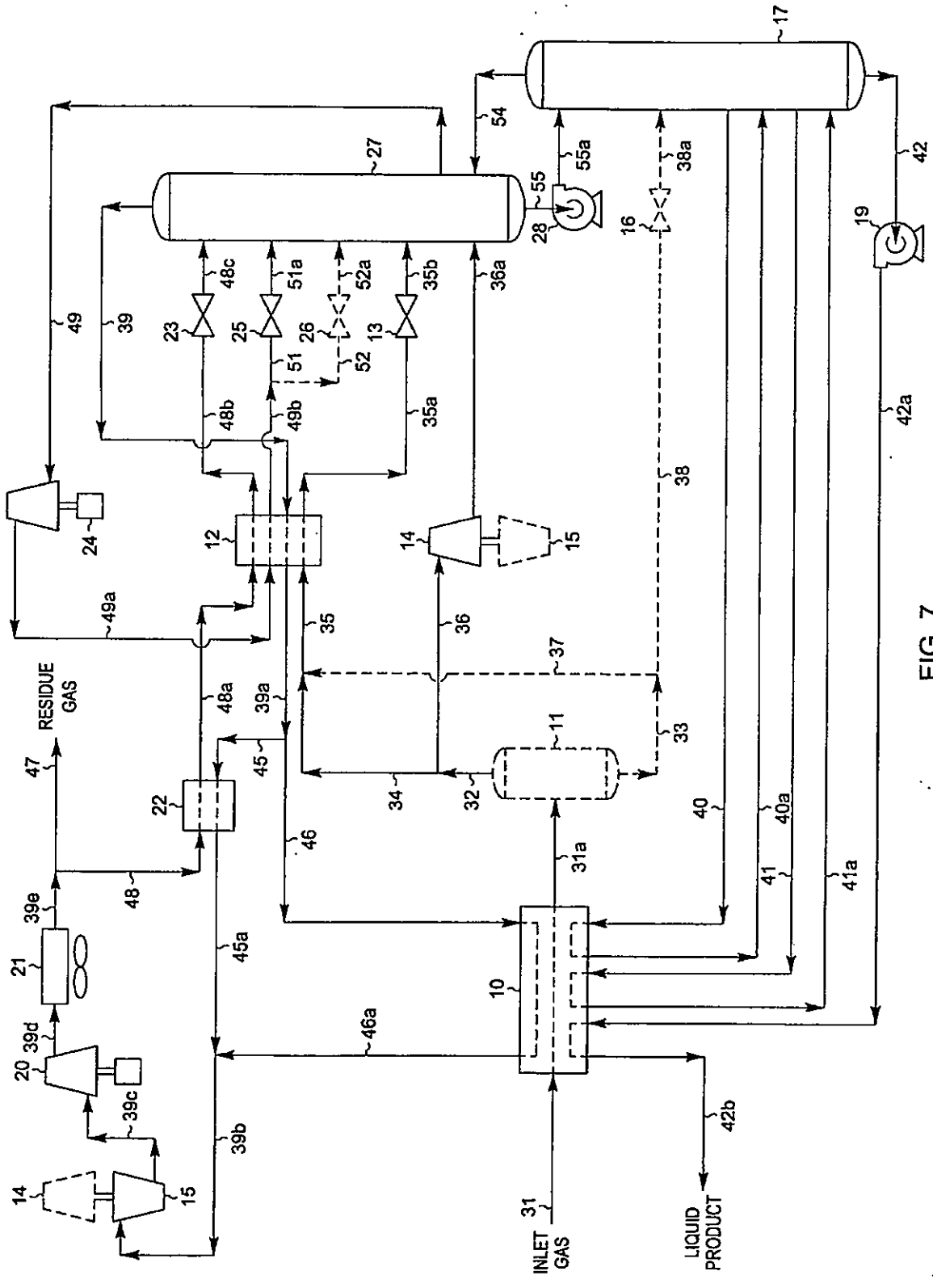

17
54
55a
38a
42
27
55
28
16
19
48c
51a
52a
35b
36a
49
39
23
25
26
13
51
52
48b
49b
35a
42a
38
24
12
14
15
49a
35
36
37
RESIDUE GAS
48a
39a
11
33
47
45
34
32
22
40
40a
46
31a
41
48
39e
41a
21
45a
10
46a
20
39d
39c
39b
42b
31
INLET GAS
LIQUID PRODUCT

FIG. 7

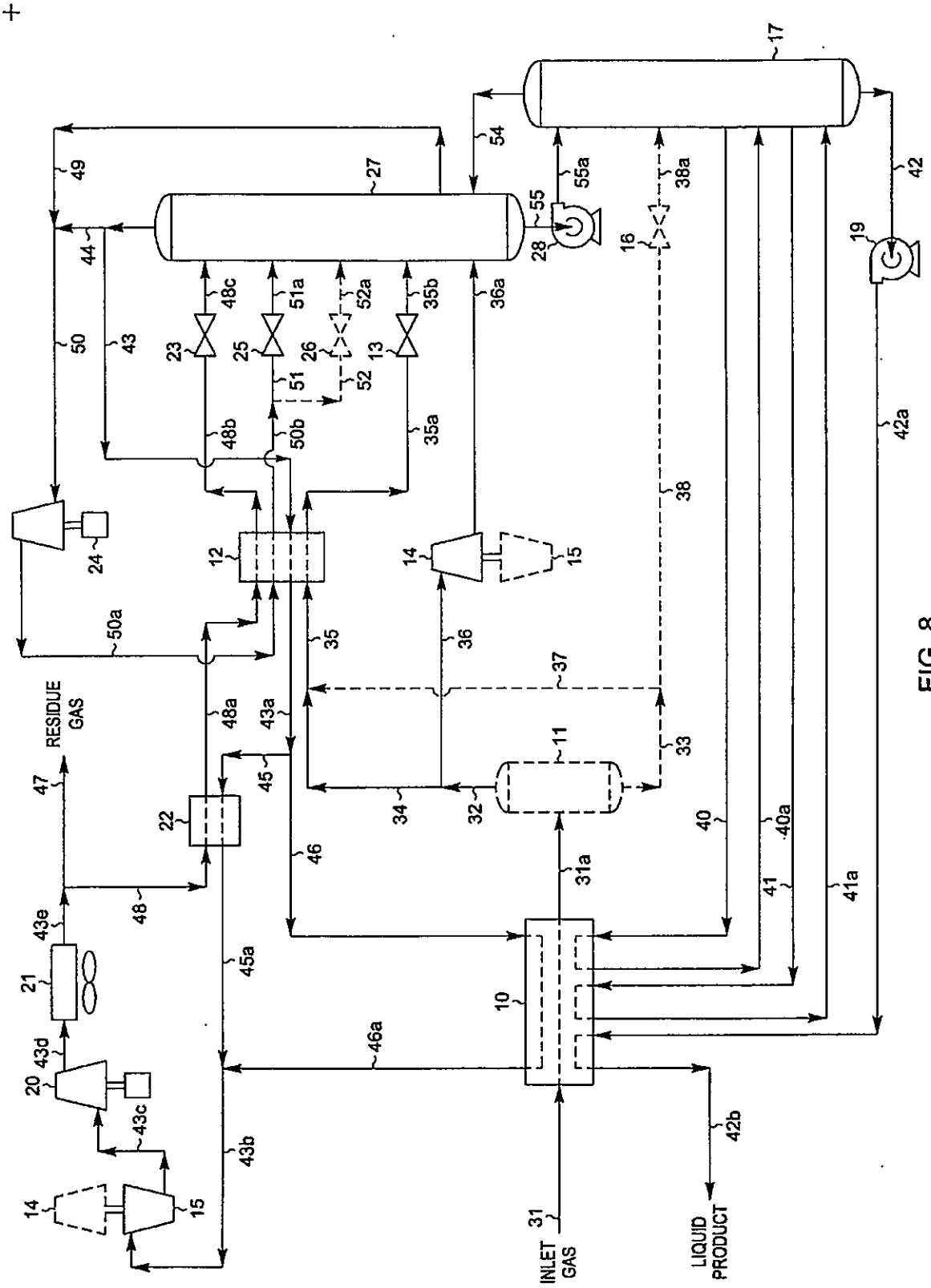


FIG. 8