FIG.1

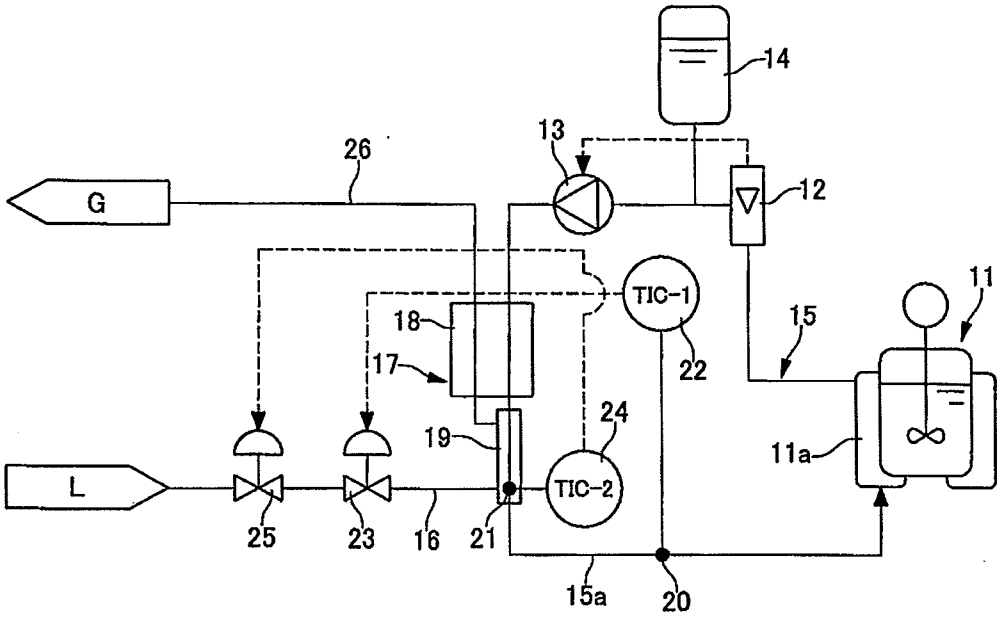

14
13
26
G
12
TIC-1
11
18
15
17
22
24
19
11a
L
TIC-2
25
23
16
21
15a
20

FIG.2

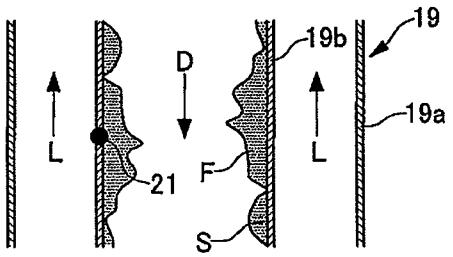

19
19b
D
19a
L
L
21
F
S

FIG.3

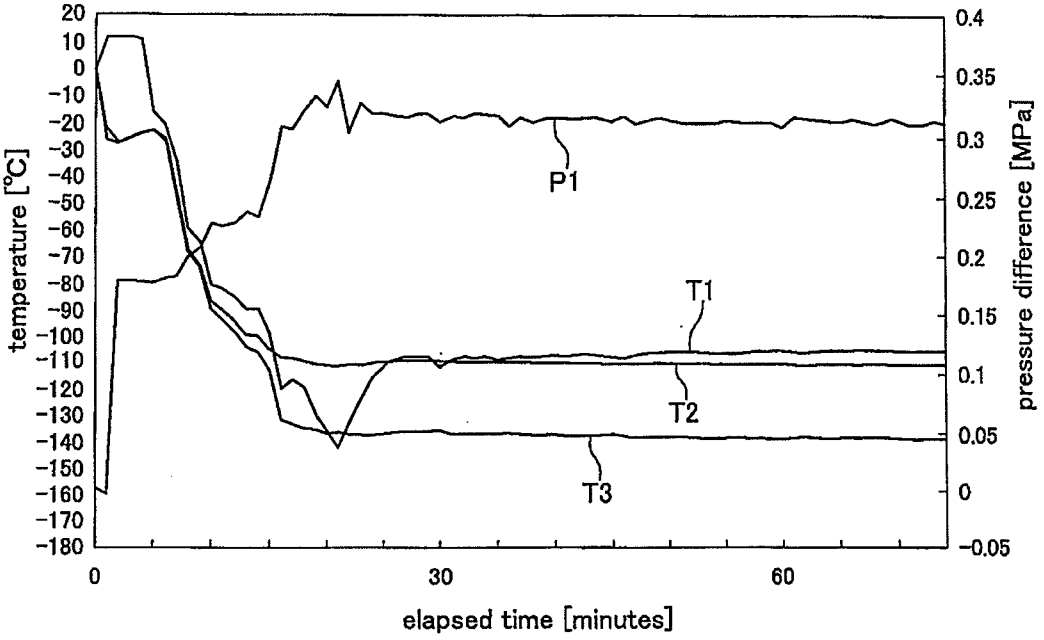
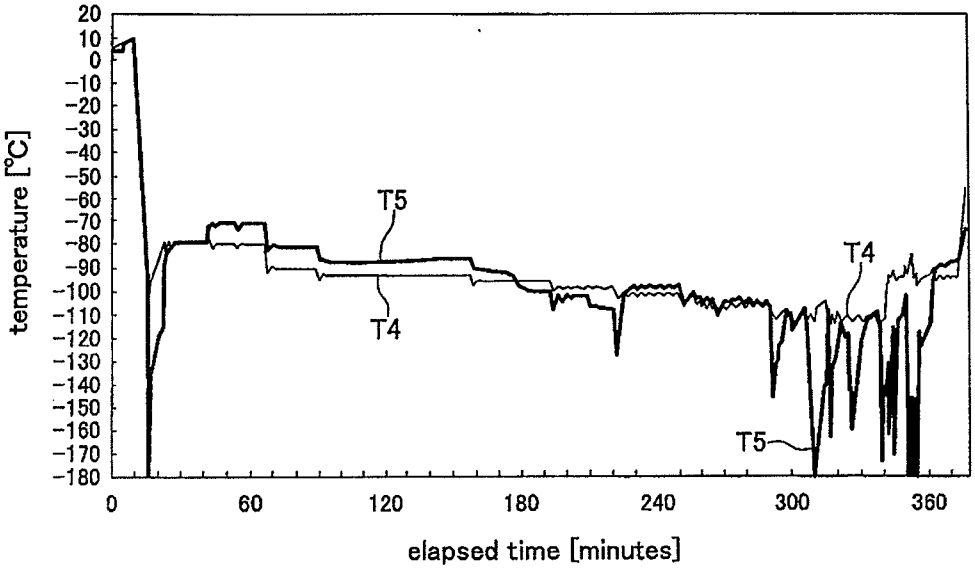

temperature [°C]
pressure difference [MPa]
elapsed time [minutes]
P1
T1
T2
T3
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
-140
-150
-160
-170
-180
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
-0.05
0
30
60

FIG.4


temperature [°C]
elapsed time [minutes]
T5
T4
T4
T5
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
-140
-150
-160
-170
-180
0
60
120
180
240
300
360