

[illegible]

FIG. 3

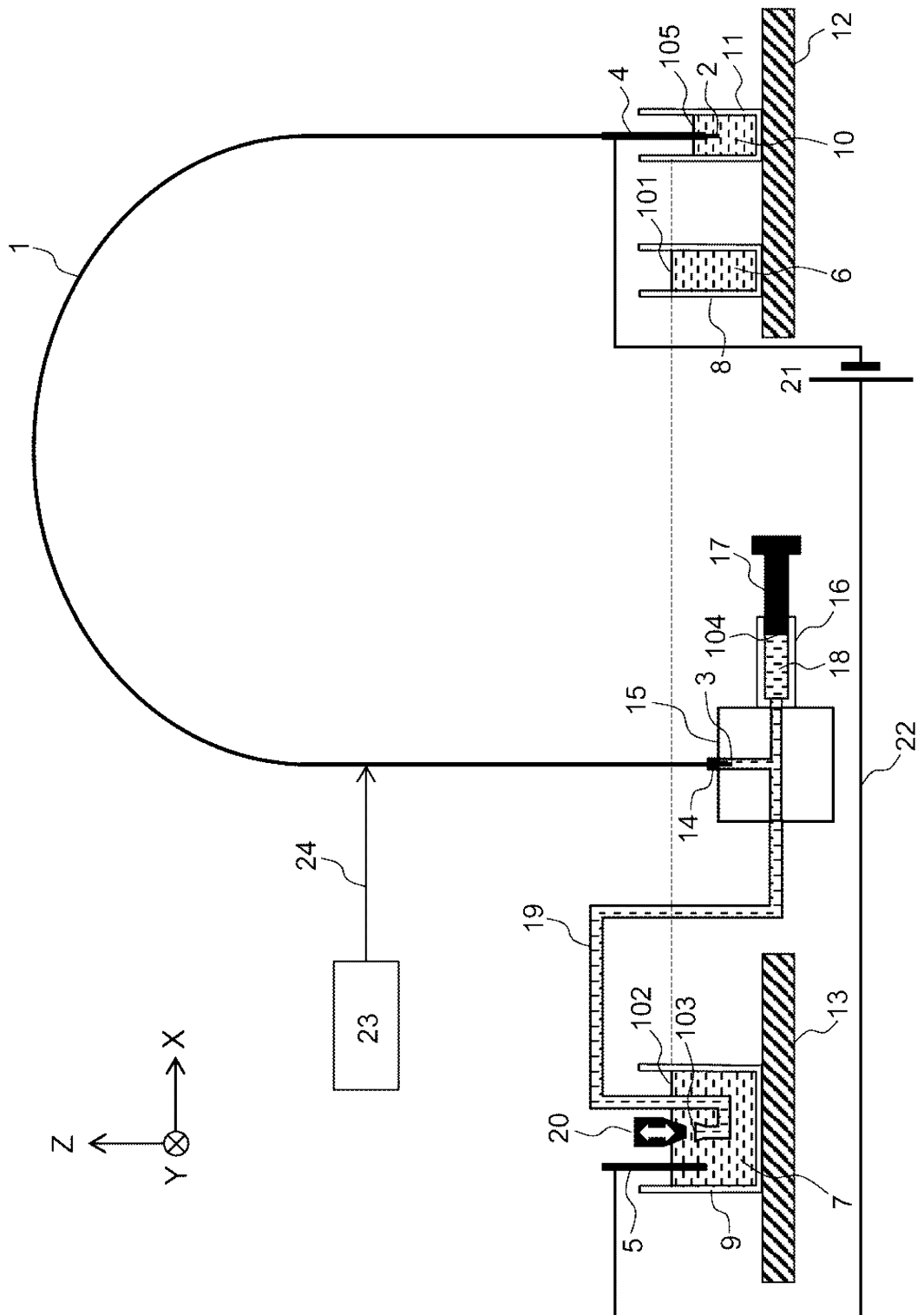
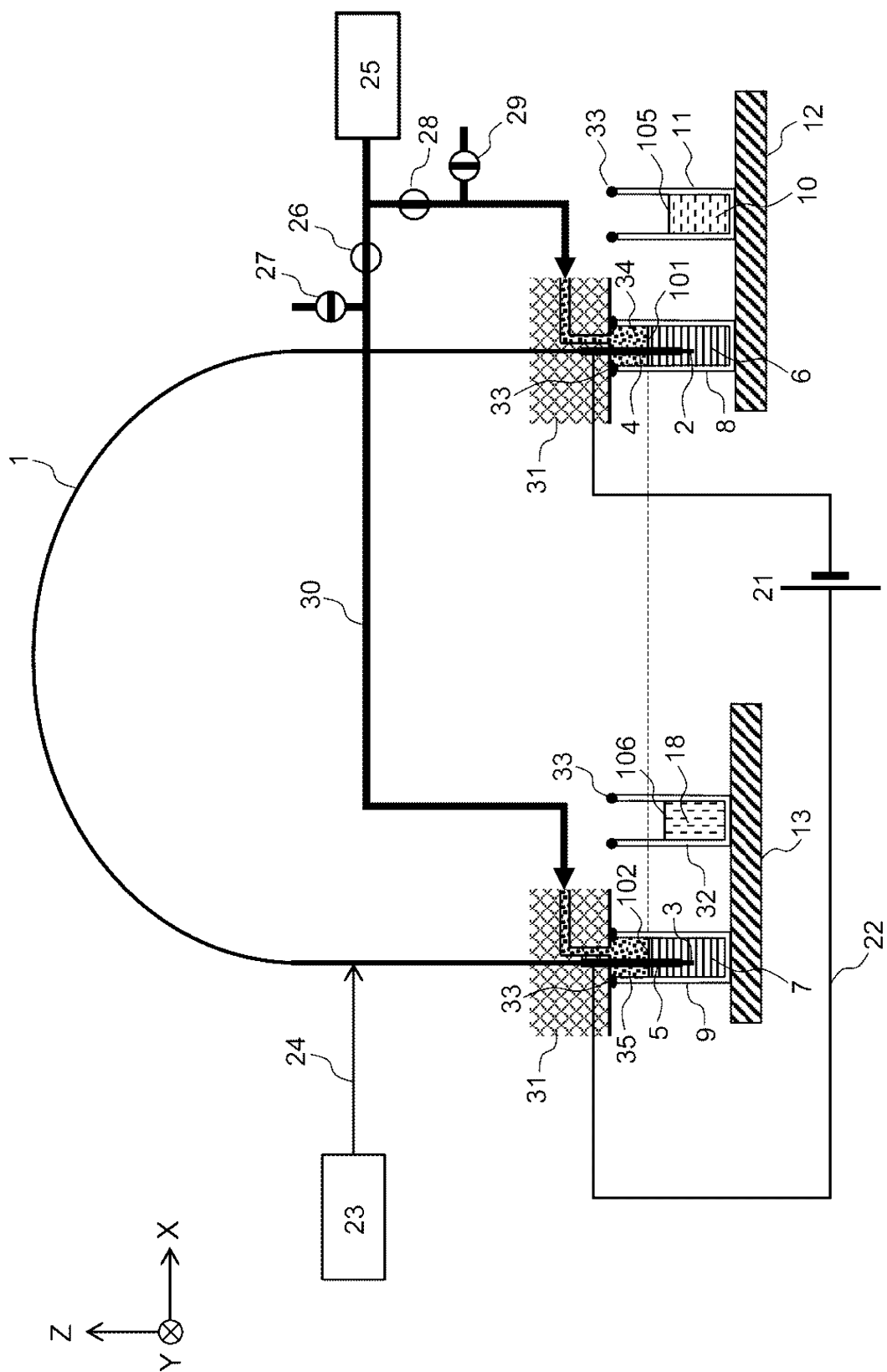


FIG. 4



The diagram illustrates a liquid crystal display (LCD) device. The top portion is a cross-sectional view showing a substrate 10 with a liquid crystal layer 11. A pixel electrode 12 and a common electrode 13 are formed on the substrate. A liquid crystal layer 11 is sandwiched between them. A pixel electrode 12 is connected to a pixel driving circuit 21, and a common electrode 13 is connected to a common driving circuit 22. The bottom portion is a plan view showing a large curved area 30 and a rectangular area 23. Various components are labeled with numbers 1 through 33.

FIG. 7

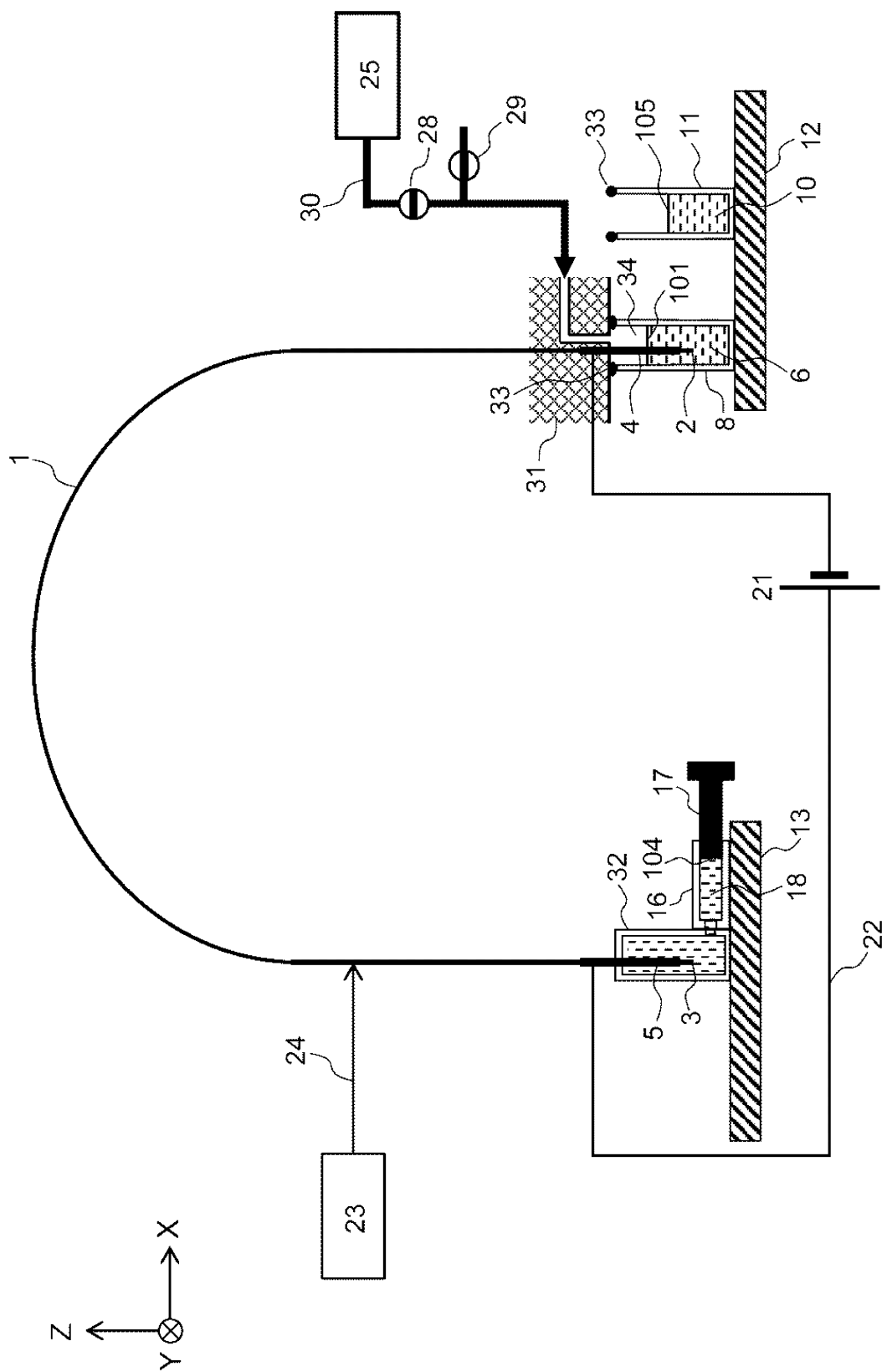


FIG. 8

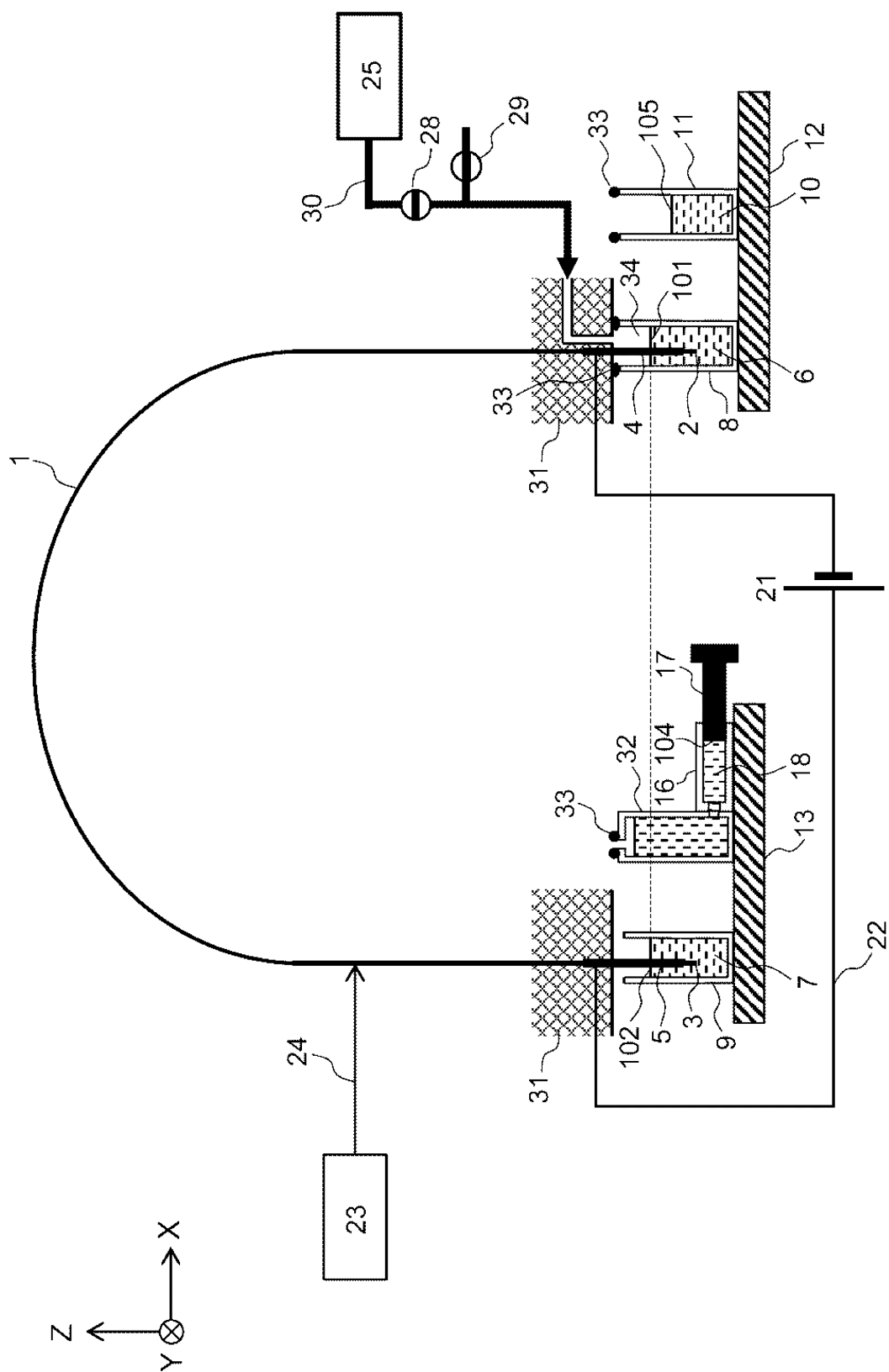


FIG. 9

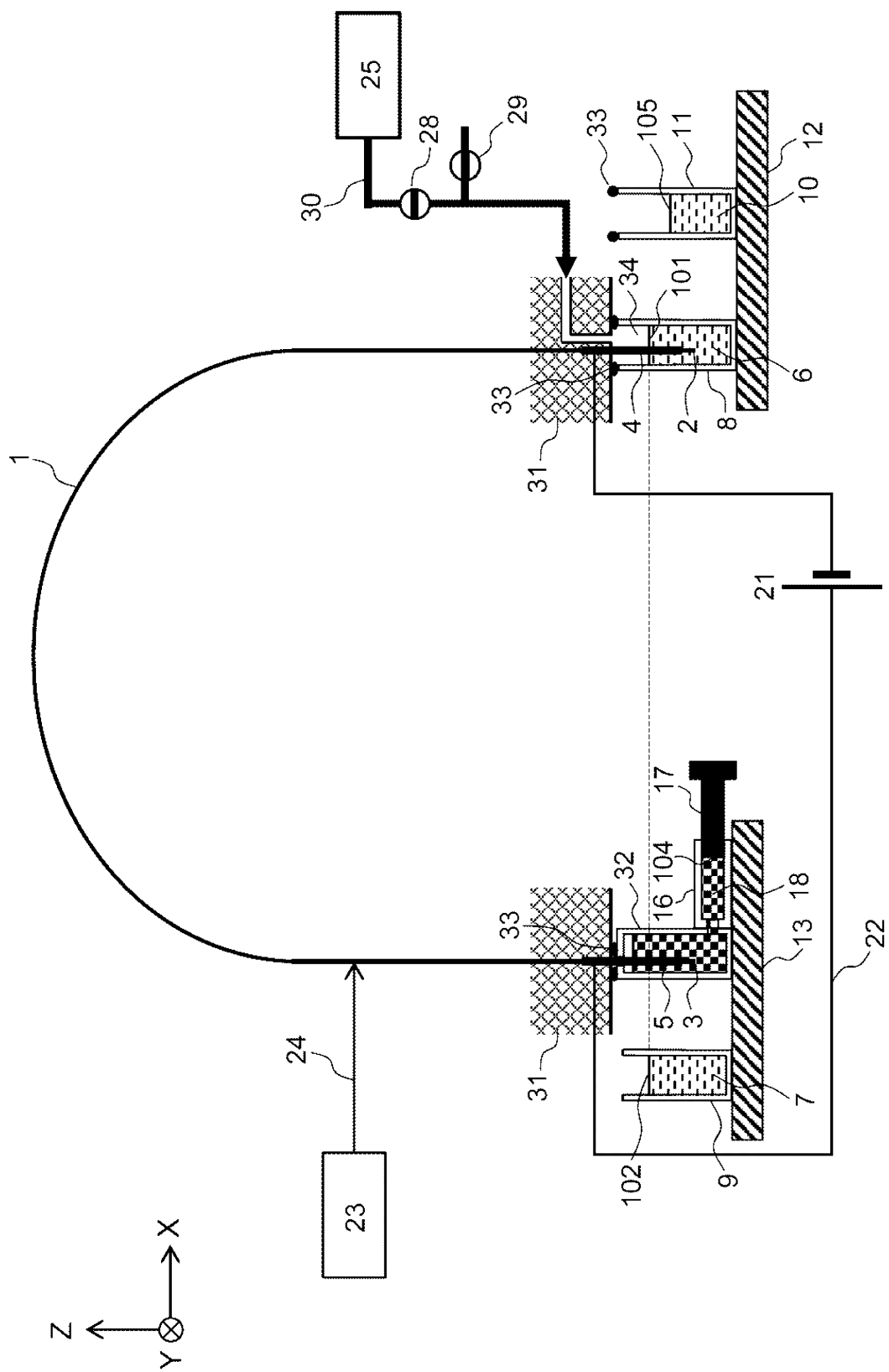


FIG. 10

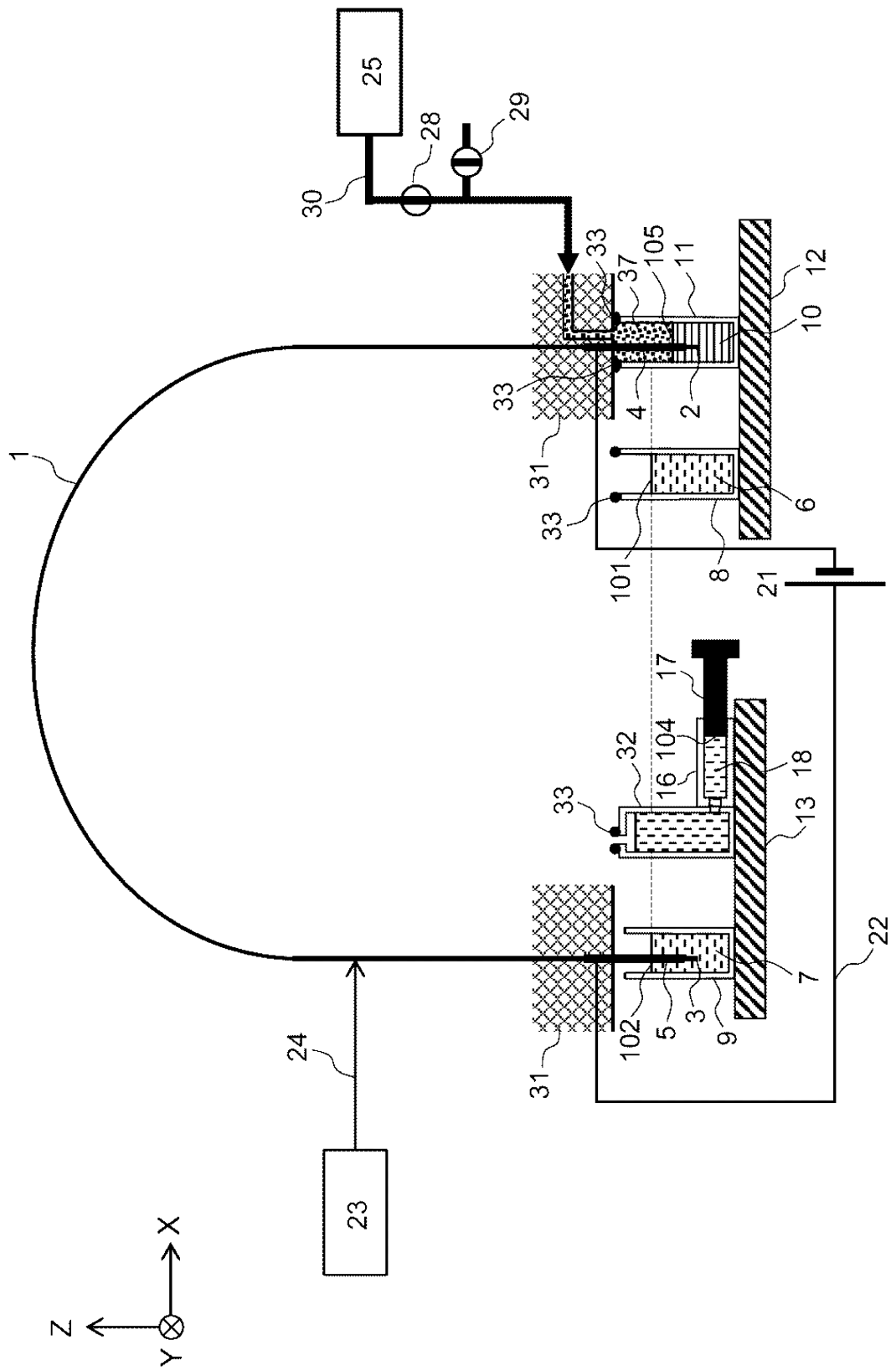
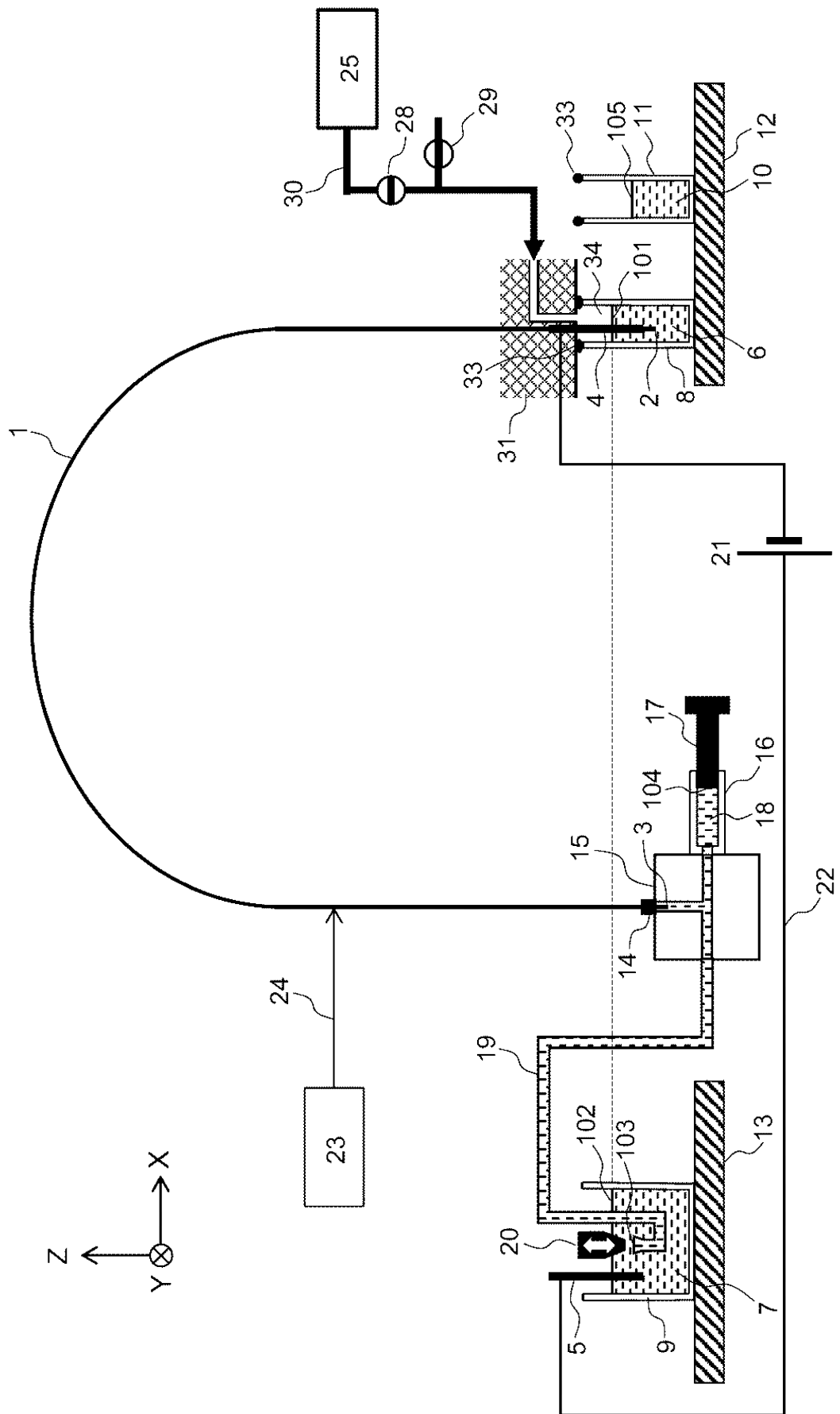


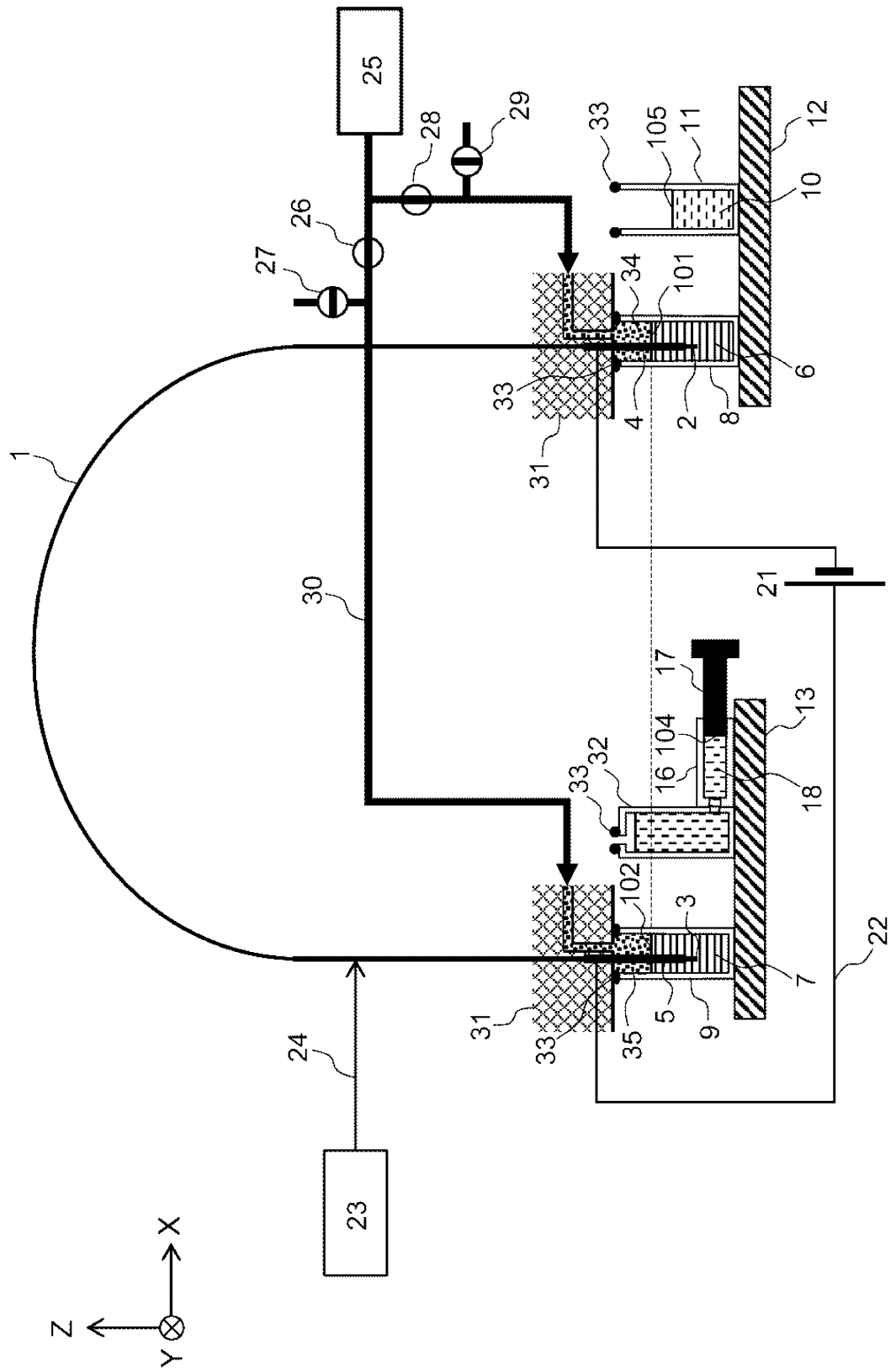
FIG. 11



The diagram illustrates a magnetic field measurement system for a large object 1. The system includes a large circular magnet 1, a power supply 21, a current source 25, and various sensors and control units labeled 2 through 30. A coordinate system (X, Y, Z) is shown at the bottom left.

[illegible]

FIG. 14



[illegible]

FIG. 17

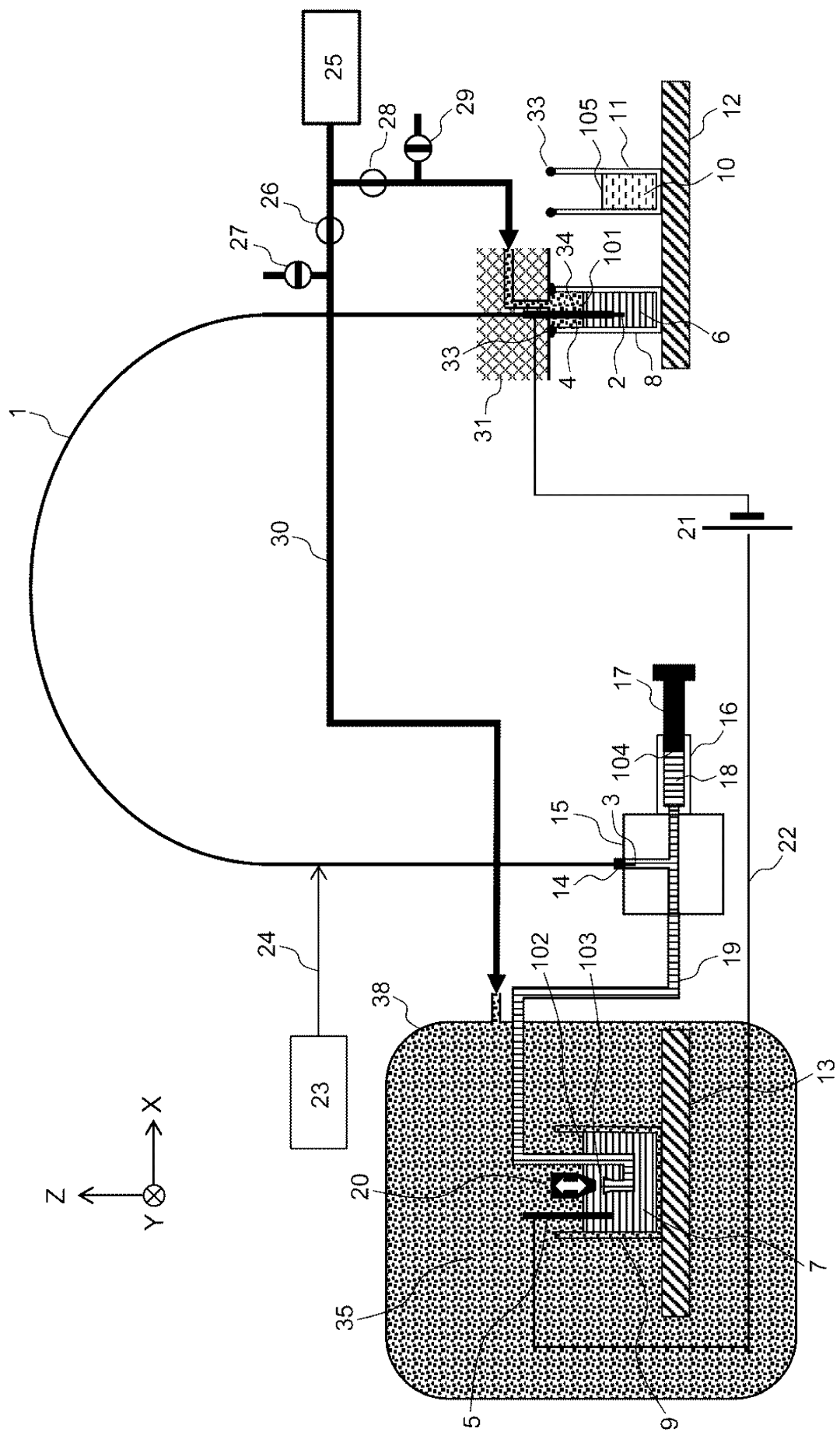


FIG. 18

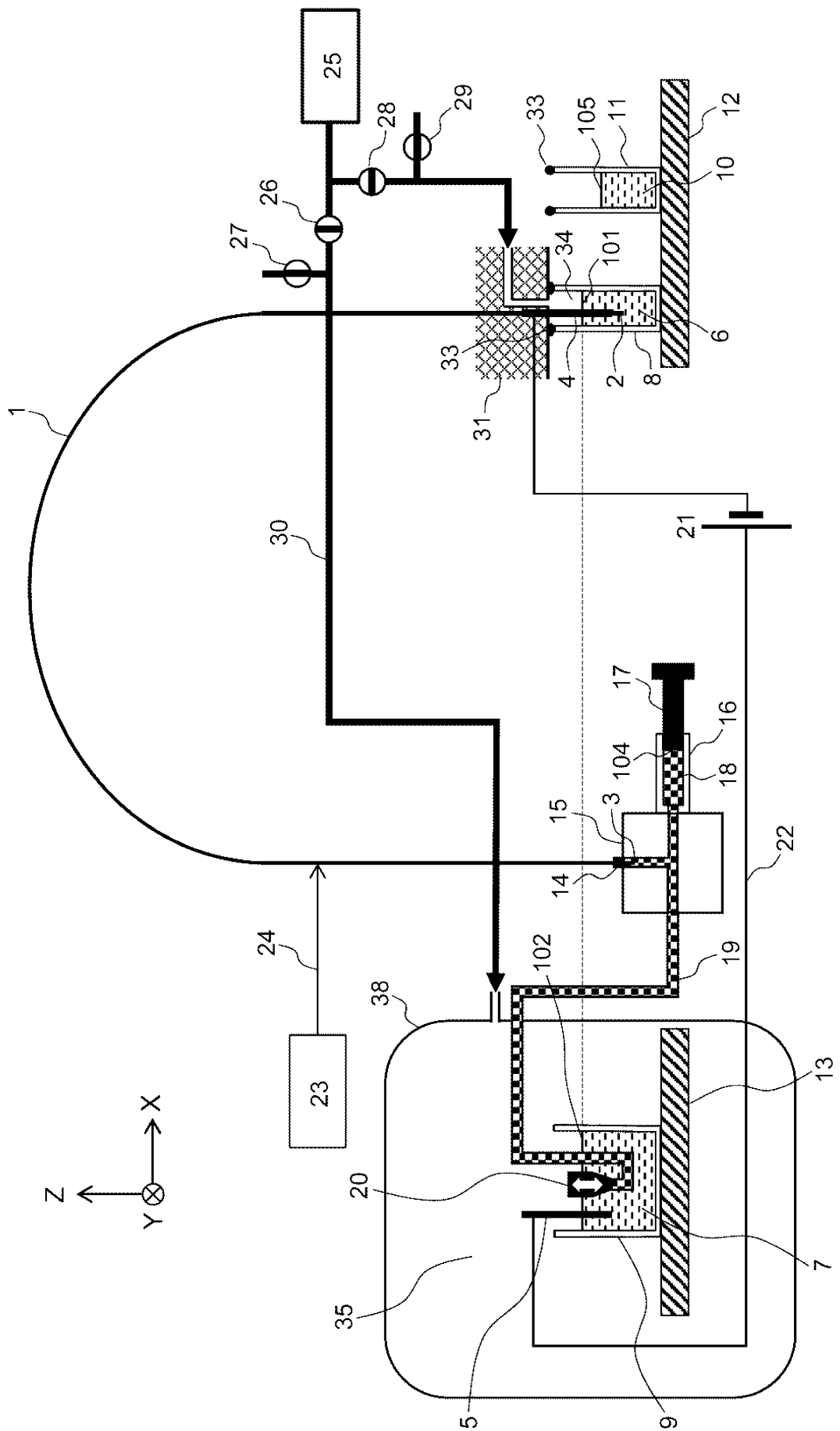


FIG. 19

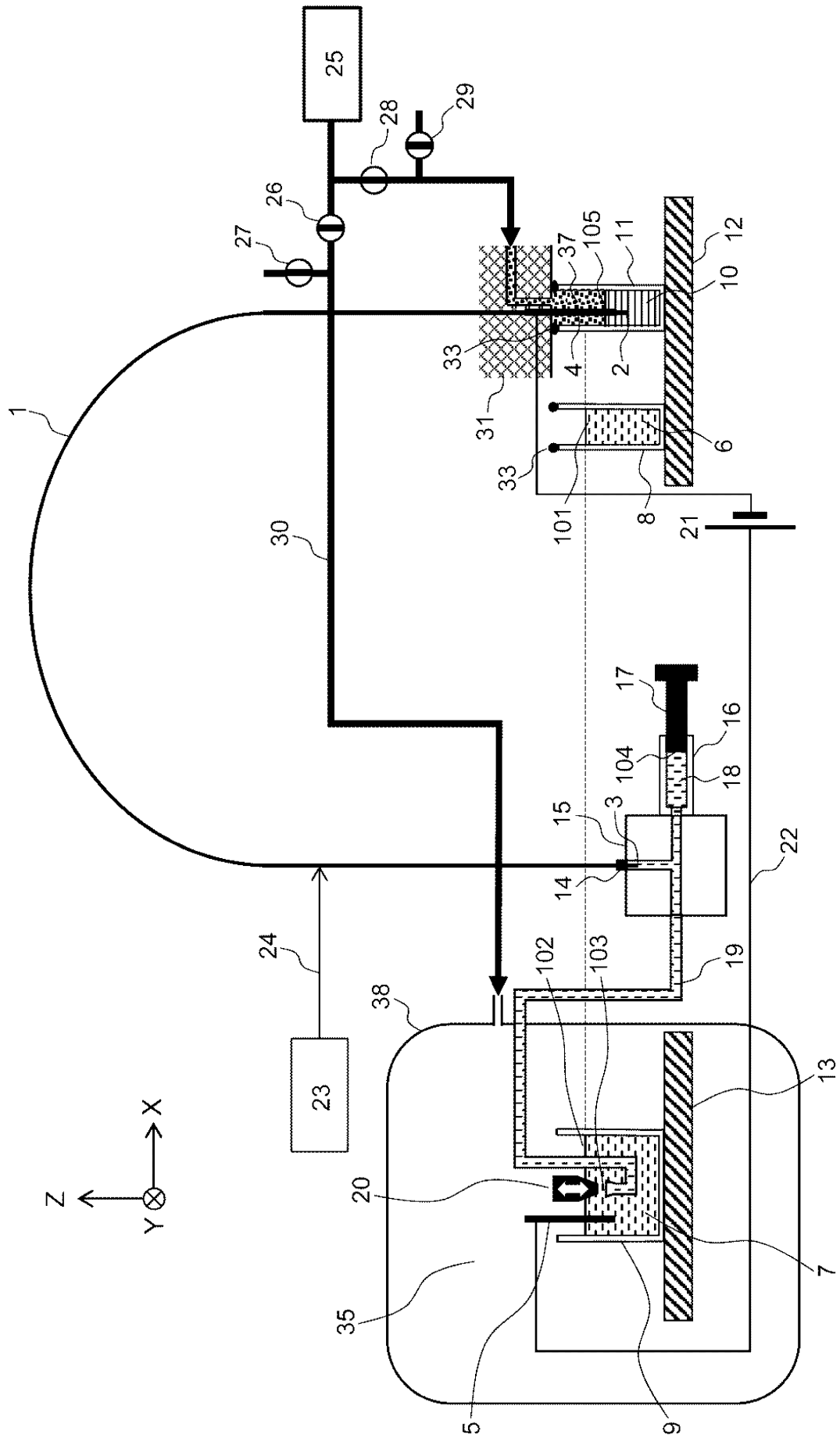
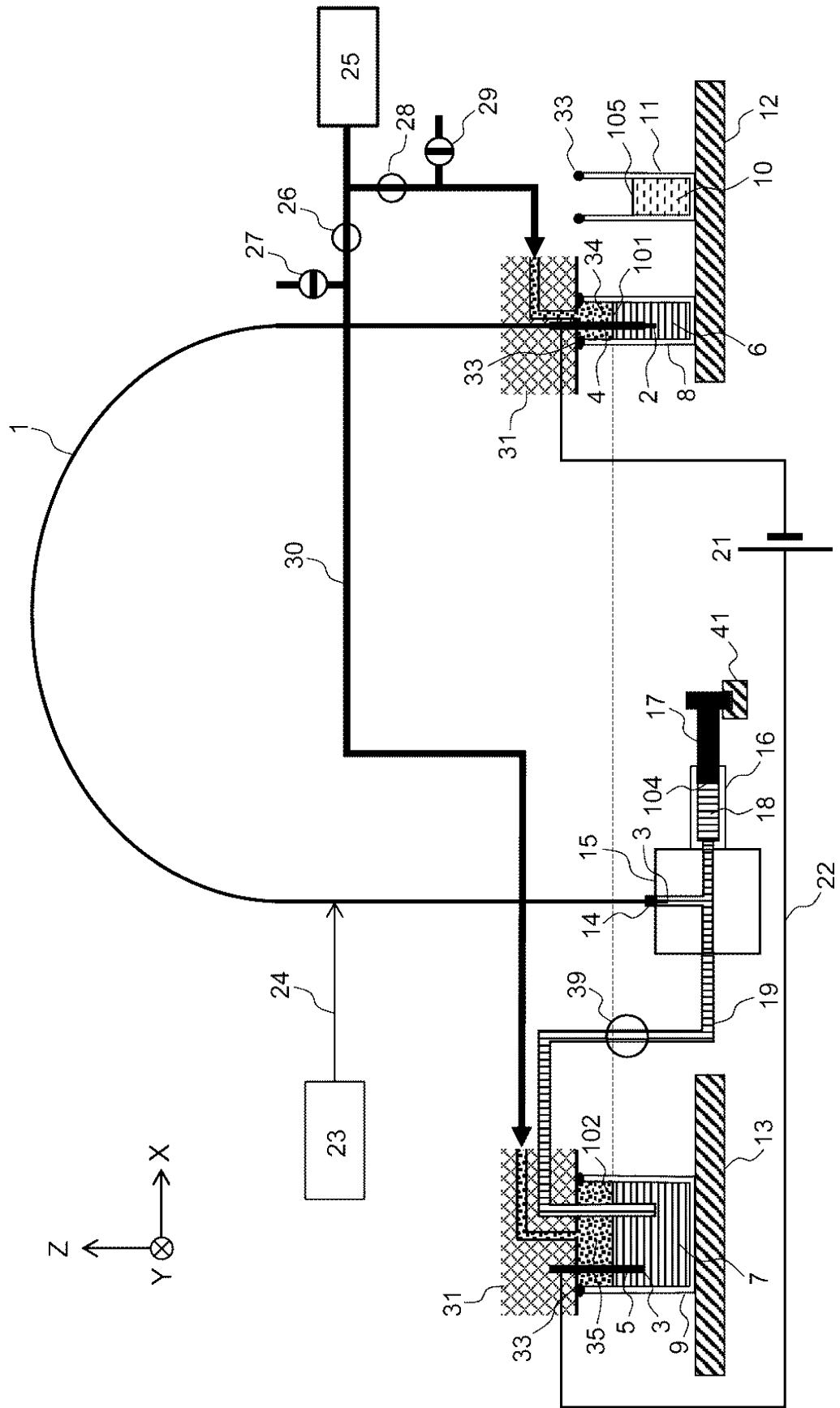
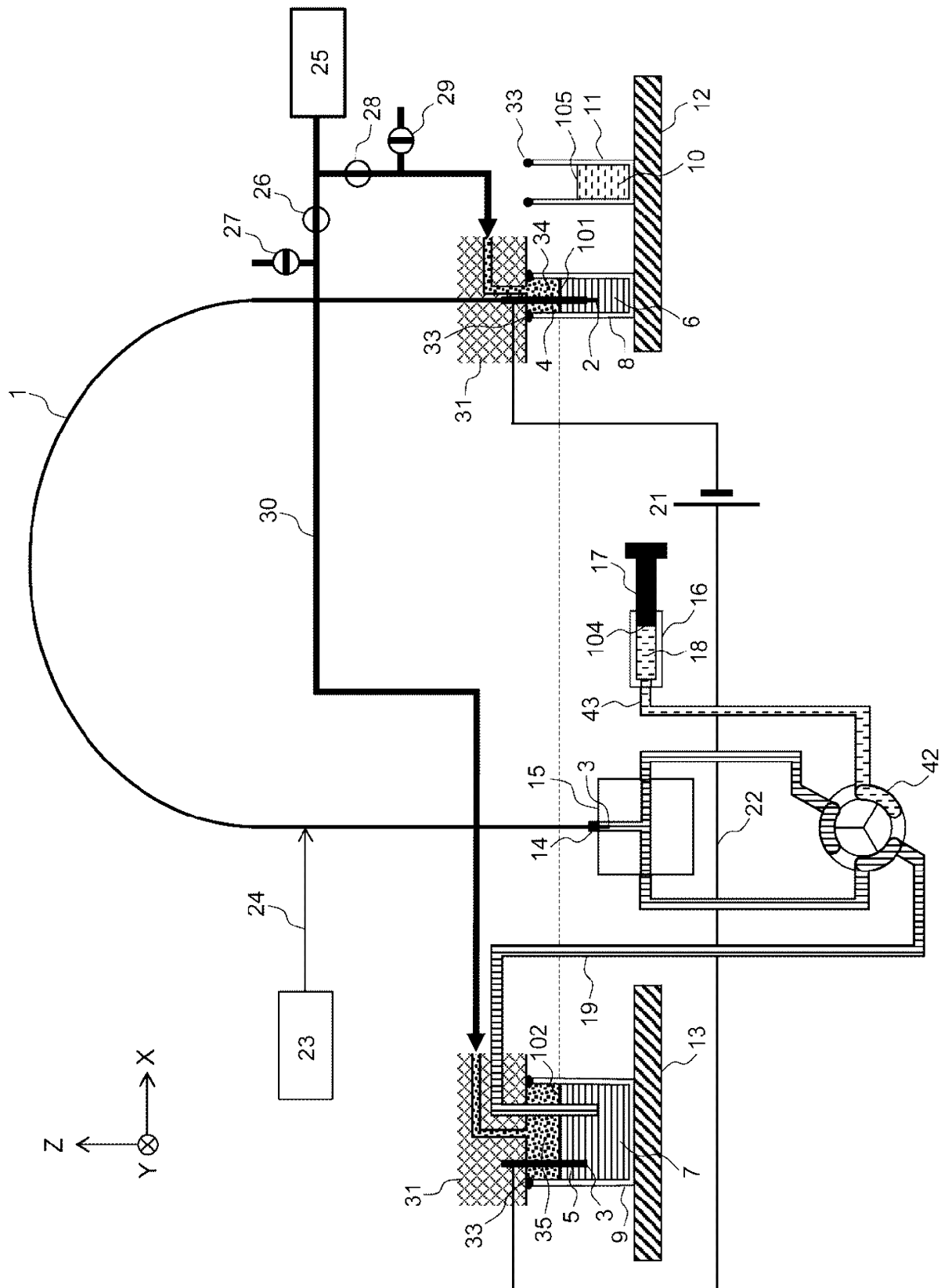


FIG. 21



[illegible]

FIG. 25



The diagram illustrates a liquid crystal display (LCD) device. The main part shows a cross-section of the panel with a curved surface. A coordinate system is shown with Z pointing up, Y pointing left, and X pointing right. A horizontal line 24 indicates a cross-section. Below this, a detailed view of the pixel structure is shown. It includes a substrate 10, a pixel electrode 11, a common electrode 12, and a liquid crystal layer 13. The pixel electrode 11 is connected to a data line 14 and a common data line 15. The common electrode 12 is connected to a common data line 16. The liquid crystal layer 13 is between the pixel electrode 11 and the common electrode 12. A detailed view of the pixel structure shows a pixel electrode 11, a common electrode 12, and a liquid crystal layer 13. The pixel electrode 11 is connected to a data line 14 and a common data line 15. The common electrode 12 is connected to a common data line 16. The liquid crystal layer 13 is between the pixel electrode 11 and the common electrode 12. A detailed view of the pixel structure shows a pixel electrode 11, a common electrode 12, and a liquid crystal layer 13. The pixel electrode 11 is connected to a data line 14 and a common data line 15. The common electrode 12 is connected to a common data line 16. The liquid crystal layer 13 is between the pixel electrode 11 and the common electrode 12.

[illegible]

[illegible]

FIG. 29

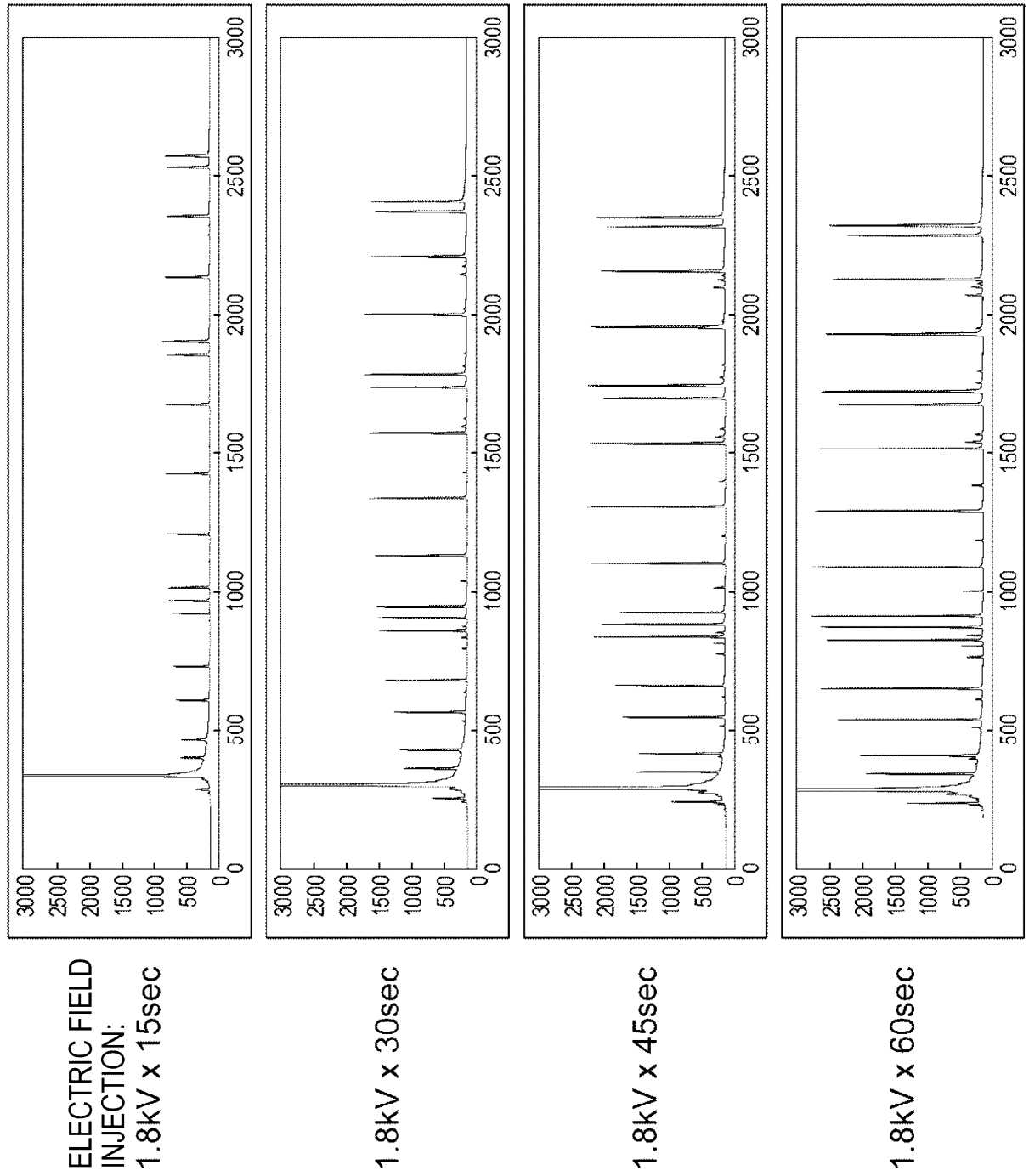


FIG. 30

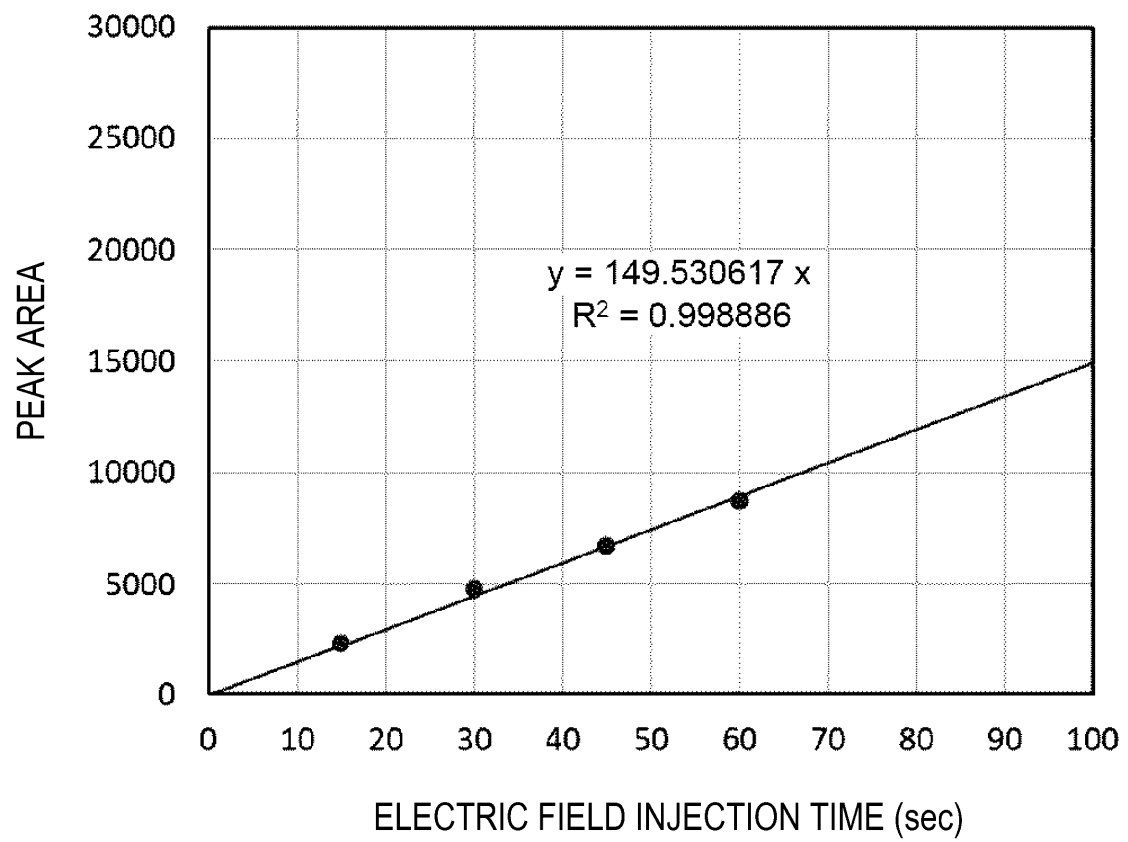
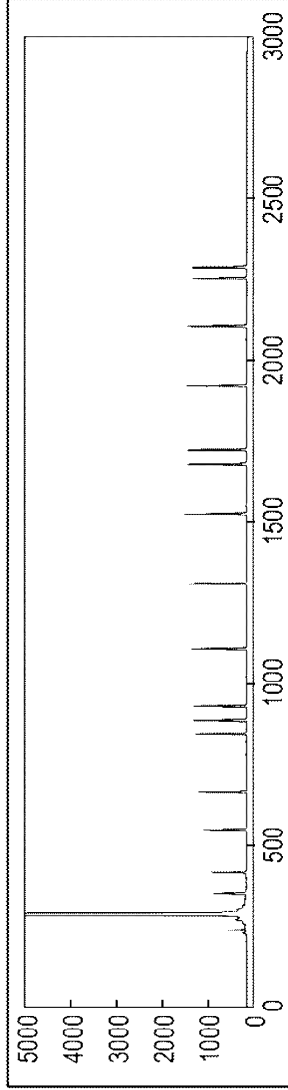
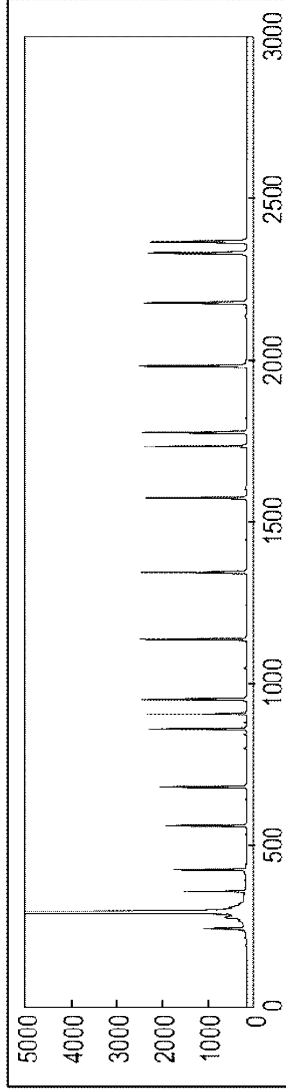


FIG. 31

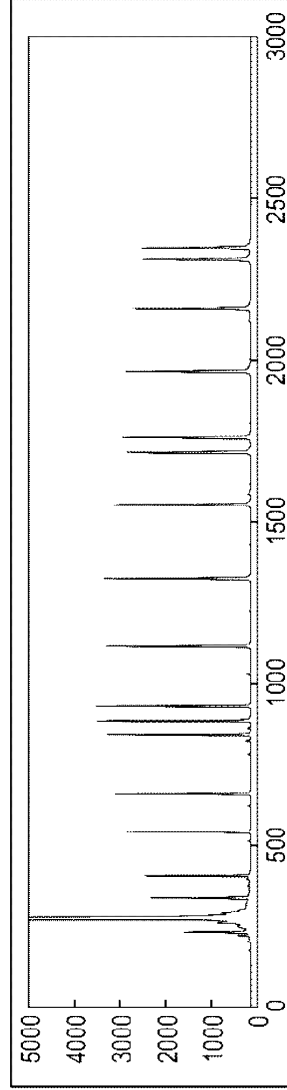
PRESSURE
INJECTION:
0.5atm x 15sec



0.5atm x 30sec



0.5atm x 45sec



0.5atm x 60sec

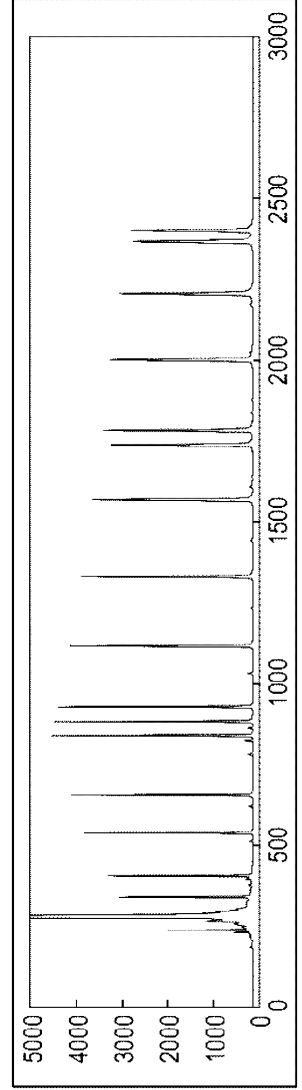


FIG. 32

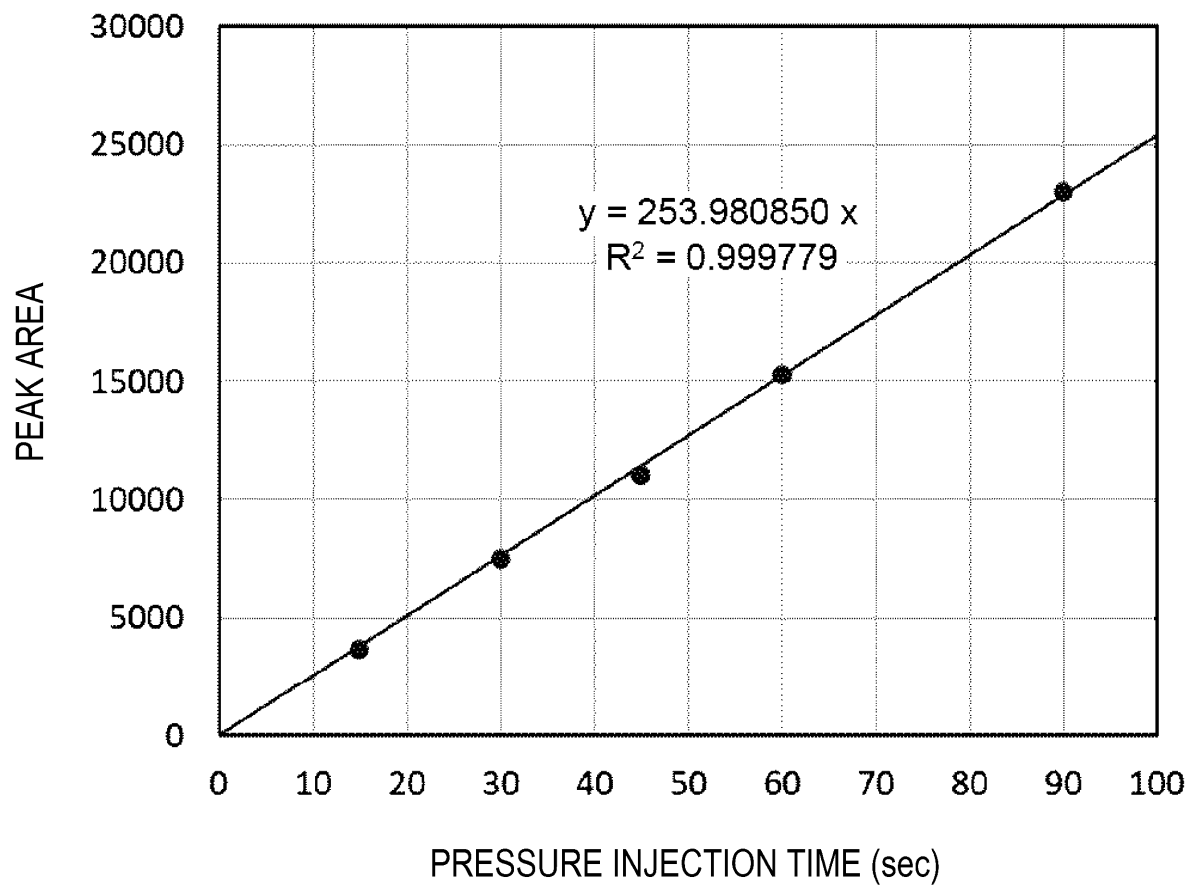


FIG. 33

STEPS	FUNCTION	SAMPLE-ELUTION END				SAMPLE-INJECTION END			
		CONTACT TARGET	SEALED/ OPENED	PRESSURE	POTENTIAL	CONTACT TARGET	SEALED/ OPENED	PRESSURE	POTENTIAL
1	REFERENCE	POLYMER SOLUTION	OPENED	—	—	CATHODE BUFFER SOLUTION	OPENED	—	—
2		↓	↓	↓	↓	WASTE LIQUID	OPENED	—	—
3		POLYMER SOLUTION	SEALED	—	—	↓	↓	↓	↓
4	FILLING WITH POLYMER SOLUTION	POLYMER SOLUTION	SEALED	HIGH PRESSURE	—	↓	↓	↓	↓
5		POLYMER SOLUTION	SEALED	—	—	↓	↓	↓	↓
6		POLYMER SOLUTION	OPENED	—	—	↓	↓	↓	↓
7	REFERENCE	↓	↓	↓	↓	CATHODE BUFFER SOLUTION	OPENED	—	—
8	PRELIMINARY MIGRATION	POLYMER SOLUTION	OPENED	—	POSITIVE POTENTIAL	CATHODE BUFFER SOLUTION	OPENED	—	NEGATIVE POTENTIAL
9	REFERENCE	POLYMER SOLUTION	OPENED	—	—	CATHODE BUFFER SOLUTION	OPENED	—	—
10		↓	↓	↓	↓	SAMPLE SOLUTION	OPENED	—	—
11	ELECTRIC FIELD INJECTION	POLYMER SOLUTION	OPENED	—	POSITIVE POTENTIAL	SAMPLE SOLUTION	OPENED	—	NEGATIVE POTENTIAL
12		POLYMER SOLUTION	OPENED	—	—	SAMPLE SOLUTION	OPENED	—	—
13	REFERENCE	↓	↓	↓	↓	CATHODE BUFFER SOLUTION	OPENED	—	—
14	PRESENT MIGRATION	POLYMER SOLUTION	OPENED	—	POSITIVE POTENTIAL	CATHODE BUFFER SOLUTION	OPENED	—	NEGATIVE POTENTIAL
15	REFERENCE	POLYMER SOLUTION	OPENED	—	—	CATHODE BUFFER SOLUTION	OPENED	—	—

FIG. 34

STEPS	FUNCTION	SAMPLE-ELUTION END				SAMPLE-INJECTION END			
		CONTACT TARGET	SEALED/ OPENED	PRESSURE	POTENTIAL	CONTACT TARGET	SEALED/ OPENED	PRESSURE	POTENTIAL
1	REFERENCE	POLYMER SOLUTION	OPENED	—	—	CATHODE BUFFER SOLUTION	OPENED	—	—
2		↓	↓	↓	↓	WASTE LIQUID	OPENED	—	—
3		POLYMER SOLUTION	SEALED	—	—	↓	↓	↓	↓
4	FILLING WITH POLYMER SOLUTION	POLYMER SOLUTION	SEALED	HIGH PRESSURE	—	↓	↓	↓	↓
5		POLYMER SOLUTION	SEALED	—	—	↓	↓	↓	↓
6		POLYMER SOLUTION	OPENED	—	—	↓	↓	↓	↓
7	REFERENCE	↓	↓	↓	↓	CATHODE BUFFER SOLUTION	OPENED	—	—
8	PRELIMINARY MIGRATION	POLYMER SOLUTION	OPENED	—	POSITIVE POTENTIAL	CATHODE BUFFER SOLUTION	OPENED	—	NEGATIVE POTENTIAL
9	REFERENCE	POLYMER SOLUTION	OPENED	—	—	CATHODE BUFFER SOLUTION	OPENED	—	—
10		↓	↓	↓	↓	SAMPLE SOLUTION	OPENED	—	—
11		↓	↓	↓	↓	SAMPLE SOLUTION	SEALED	—	—
12	PRESSURE INJECTION	↓	↓	↓	↓	SAMPLE SOLUTION	SEALED	LOW PRESSURE	—
13		↓	↓	↓	↓	SAMPLE SOLUTION	SEALED	—	—
14		↓	↓	↓	↓	SAMPLE SOLUTION	OPENED	—	—
15	REFERENCE	↓	↓	↓	↓	CATHODE BUFFER SOLUTION	OPENED	—	—
16	PRESENT MIGRATION	POLYMER SOLUTION	OPENED	—	POSITIVE POTENTIAL	CATHODE BUFFER SOLUTION	OPENED	—	NEGATIVE POTENTIAL
17	REFERENCE	POLYMER SOLUTION	OPENED	—	—	CATHODE BUFFER SOLUTION	OPENED	—	—

FIG. 35

STEPS	FUNCTION	SAMPLE-ELUTION END				SAMPLE-INJECTION END			
		CONTACT TARGET	SEALED/ OPENED	PRESSURE	POTENTIAL	CONTACT TARGET	SEALED/ OPENED	PRESSURE	POTENTIAL
1	REFERENCE	POLYMER SOLUTION	OPENED	—	—	CATHODE BUFFER SOLUTION	OPENED	—	—
2		↓	↓	↓	↓	WASTE LIQUID	OPENED	—	—
3		POLYMER SOLUTION	SEALED 1	—	—	↓	↓	↓	↓
4	FILLING WITH POLYMER SOLUTION	POLYMER SOLUTION	SEALED 1	HIGH PRESSURE	—	↓	↓	↓	↓
5		POLYMER SOLUTION	SEALED 1	—	—	↓	↓	↓	↓
6		POLYMER SOLUTION	OPENED	—	—	↓	↓	↓	↓
7	REFERENCE	↓	↓	↓	↓	CATHODE BUFFER SOLUTION	OPENED	—	—
8	PRELIMINARY MIGRATION	POLYMER SOLUTION	OPENED	—	POSITIVE POTENTIAL	CATHODE BUFFER SOLUTION	OPENED	—	NEGATIVE POTENTIAL
9	REFERENCE	POLYMER SOLUTION	OPENED	—	—	CATHODE BUFFER SOLUTION	OPENED	—	—
10		↓	↓	↓	↓	SAMPLE SOLUTION	OPENED	—	—
11		↓	↓	↓	↓	SAMPLE SOLUTION	SEALED	—	—
12	PRESSURE INJECTION	↓	↓	↓	↓	SAMPLE SOLUTION	SEALED	LOW PRESSURE	—
13		↓	↓	↓	↓	SAMPLE SOLUTION	SEALED	—	—
14		↓	↓	↓	↓	SAMPLE SOLUTION	OPENED	—	—
15	REFERENCE	↓	↓	↓	↓	CATHODE BUFFER SOLUTION	OPENED	—	—
16		POLYMER SOLUTION	SEALED 2	—	—	CATHODE BUFFER SOLUTION	SEALED	—	—
17	BOTH-END PRESSURIZATION	POLYMER SOLUTION	SEALED 2	LOW PRESSURE	—	CATHODE BUFFER SOLUTION	SEALED	LOW PRESSURE	—
18	BOTH-END PRESSURIZATION ELECTROPHORESIS	POLYMER SOLUTION	SEALED 2	LOW PRESSURE	POSITIVE POTENTIAL	CATHODE BUFFER SOLUTION	SEALED	LOW PRESSURE	NEGATIVE POTENTIAL
19	BOTH-END PRESSURIZATION	POLYMER SOLUTION	SEALED 2	LOW PRESSURE	—	CATHODE BUFFER SOLUTION	SEALED	LOW PRESSURE	—
20		POLYMER SOLUTION	SEALED 2	—	—	CATHODE BUFFER SOLUTION	SEALED	—	—
21	REFERENCE	POLYMER SOLUTION	OPENED	—	—	CATHODE BUFFER SOLUTION	OPENED	—	—