

FIG. 1

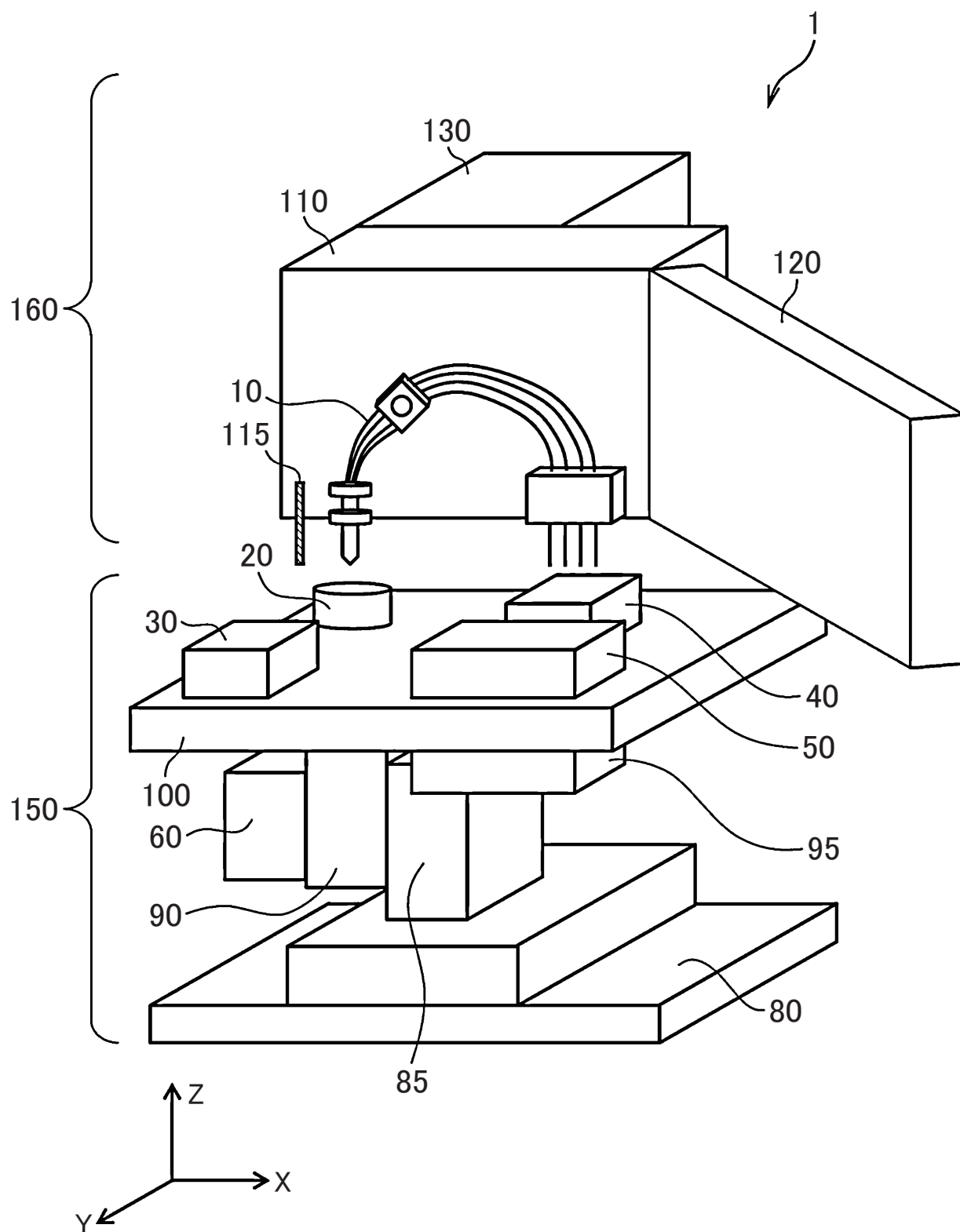
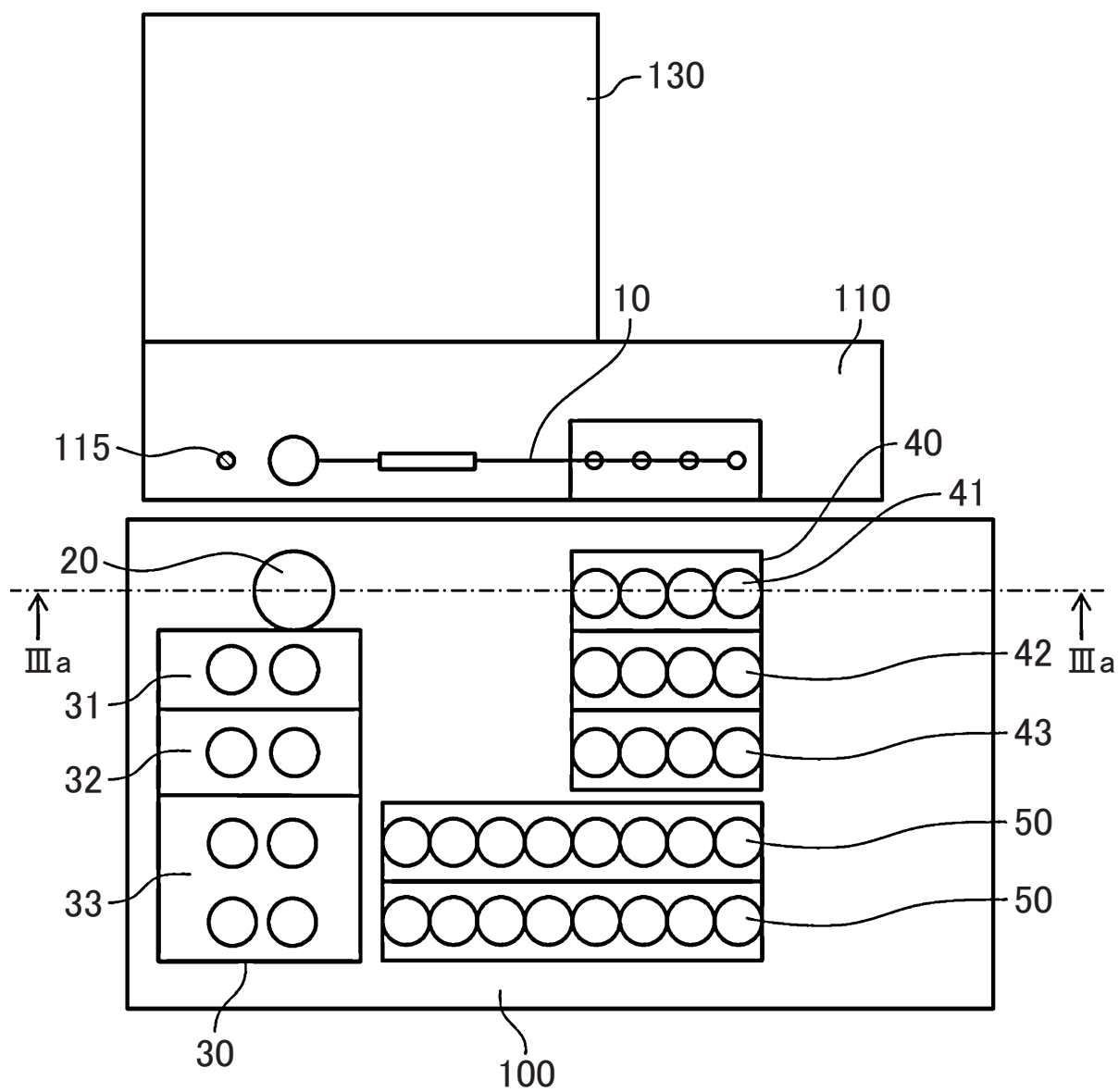


FIG. 2



3/17
FIG. 3A

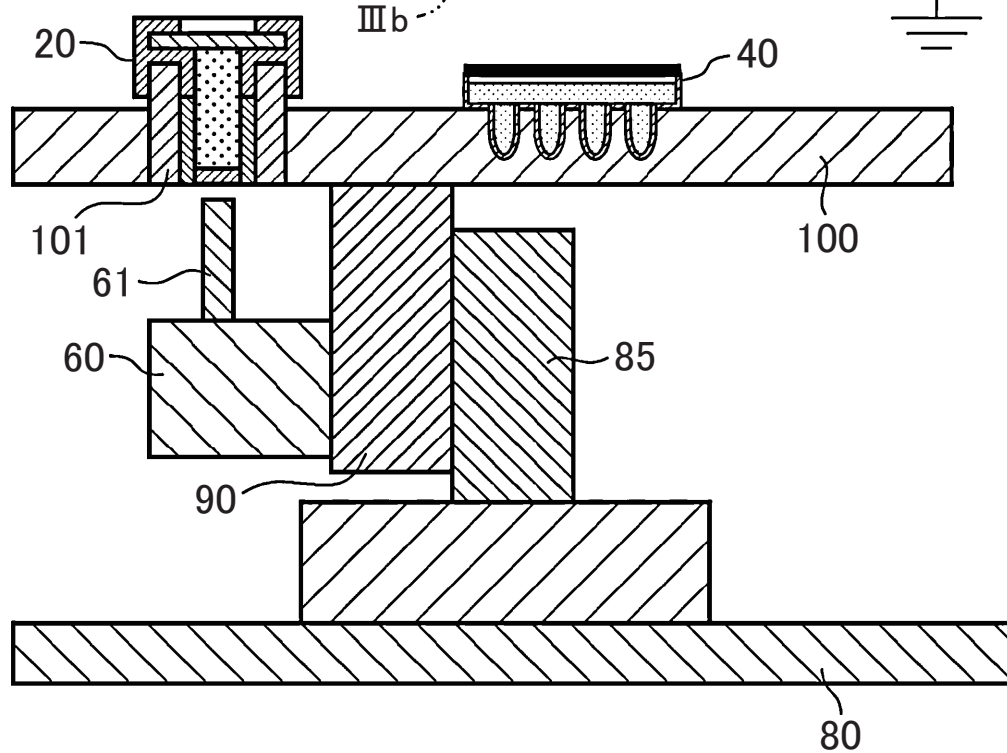
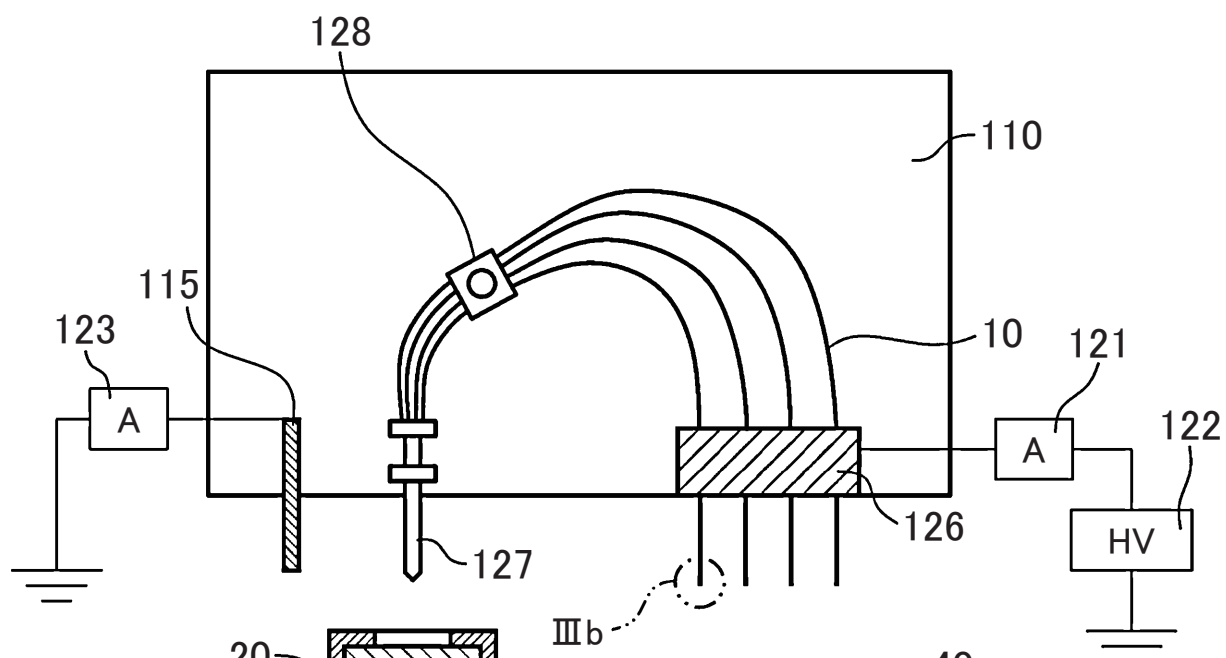


FIG. 3B

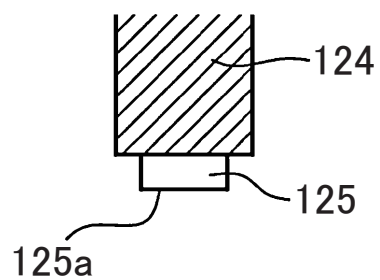


FIG. 4

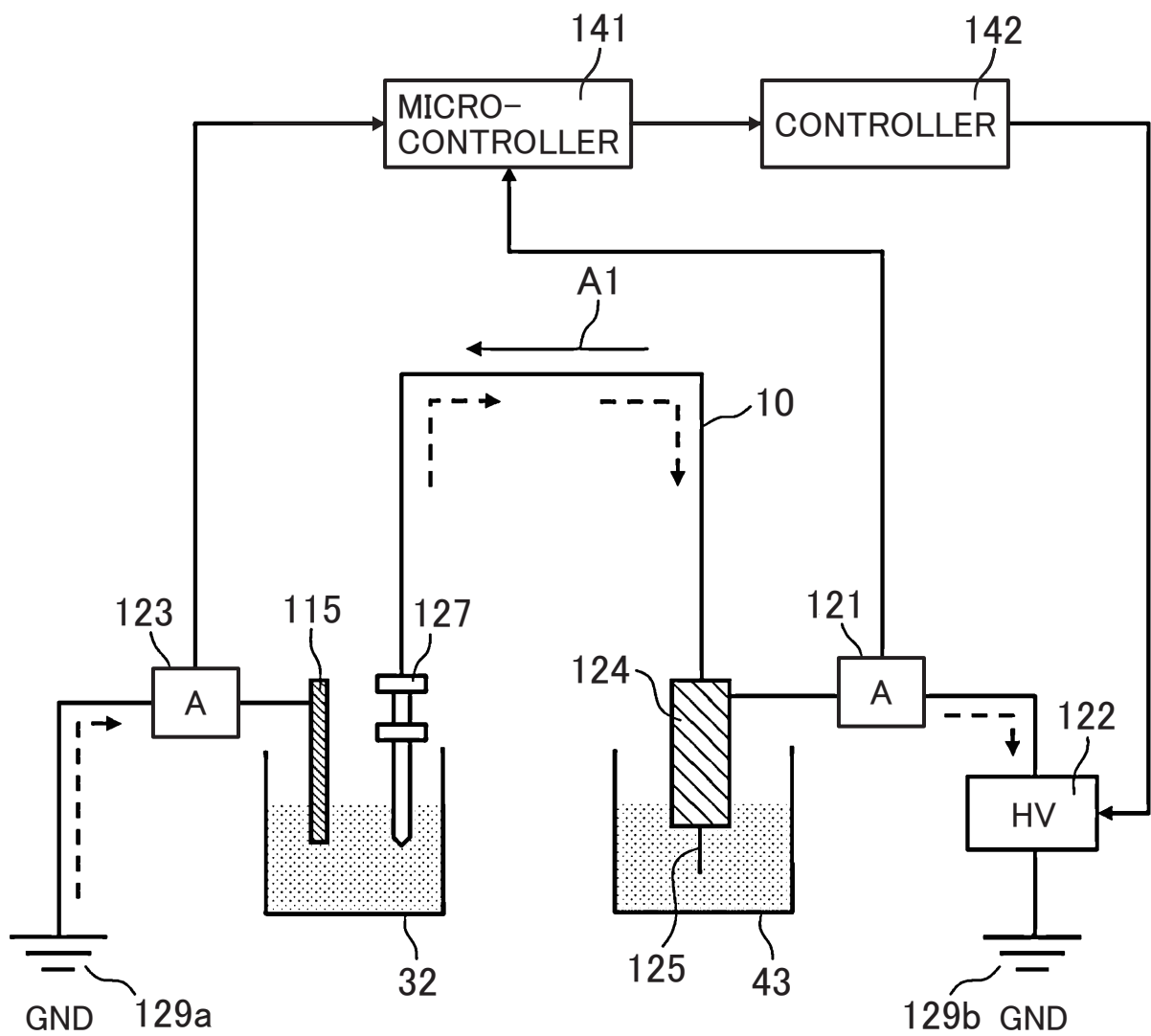


FIG. 5

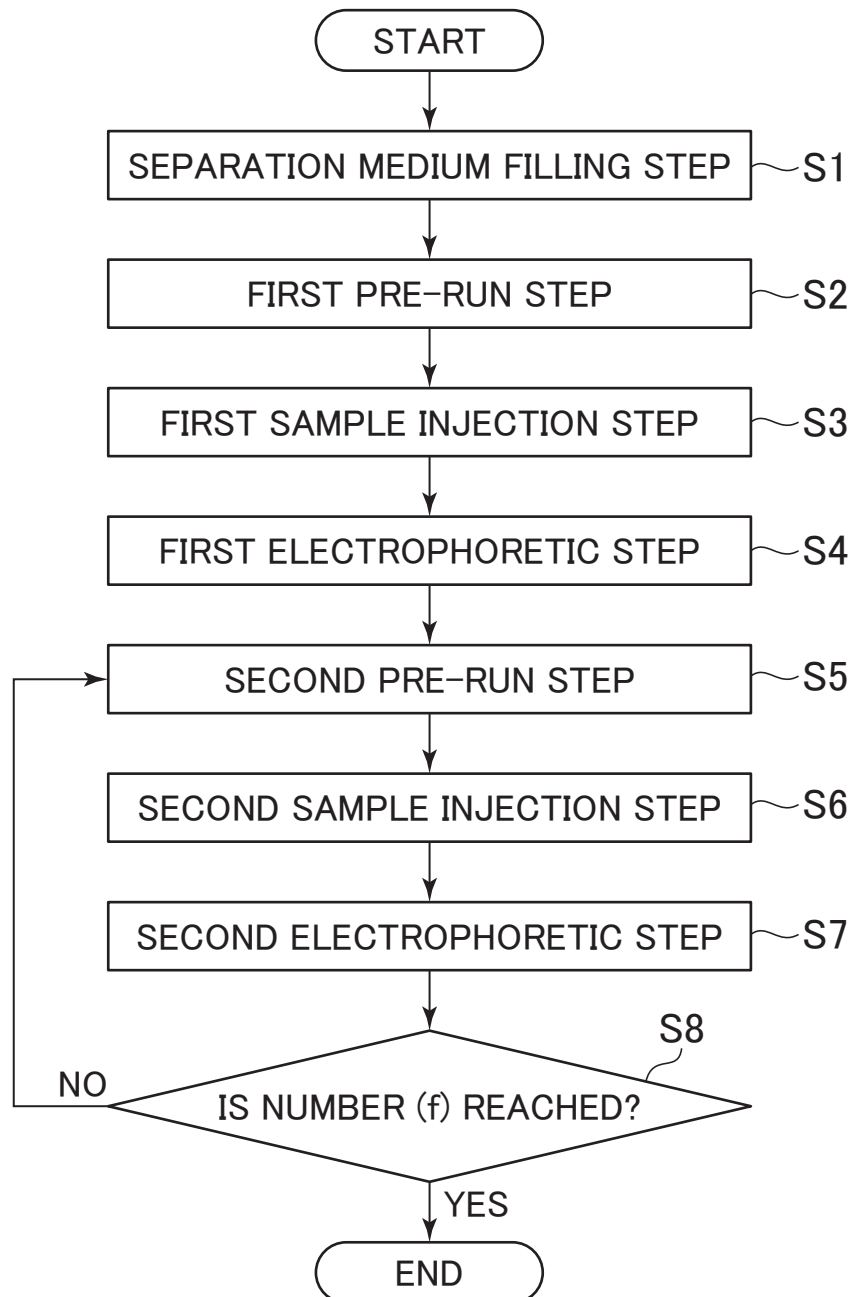
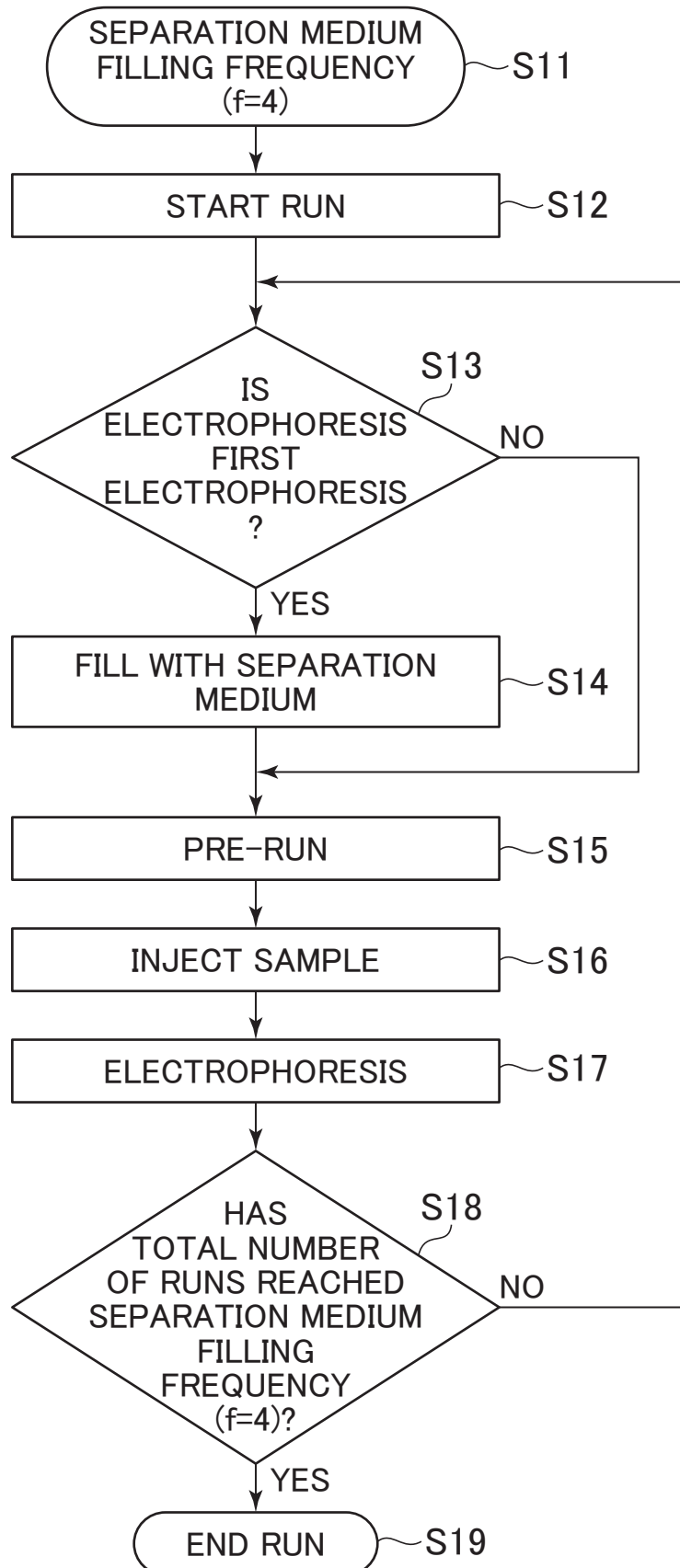


FIG. 6

Setup Strip Information > Edit Strip Information (A) > Select Assay (1st)

Assay	T_Seq_36_Fast	▽
Application	Sequencing	
Polymer	Polymer7	
Dye Set	T 4-dye sequencing	
Instrument Protocol	Fast_Sequence36_Polymer7	 Details
Analysis Protocol	Basecalling_T_FastSeq	 Details
Polymer exchange frequency	every 4 injection	
☐ Cancel	Clear	 Apply

FIG. 7



8/17

FIG. 8

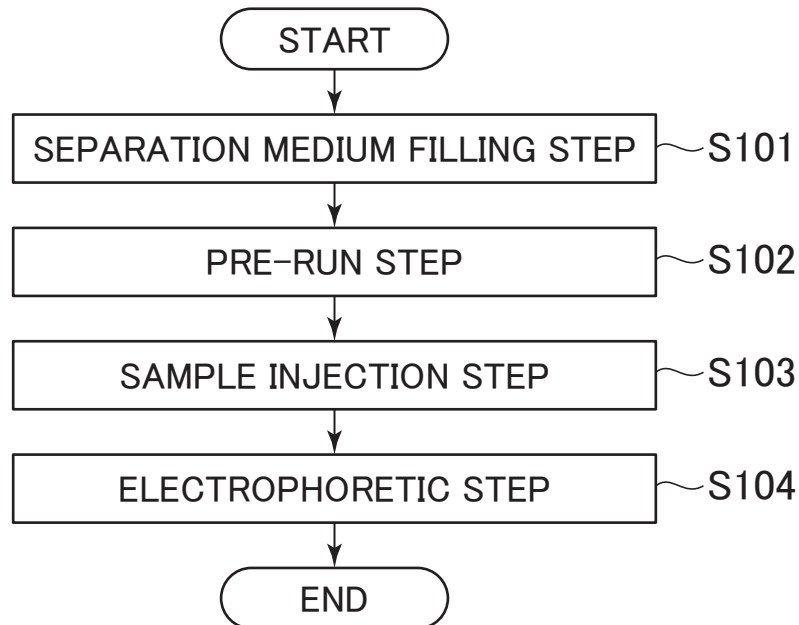


FIG. 9

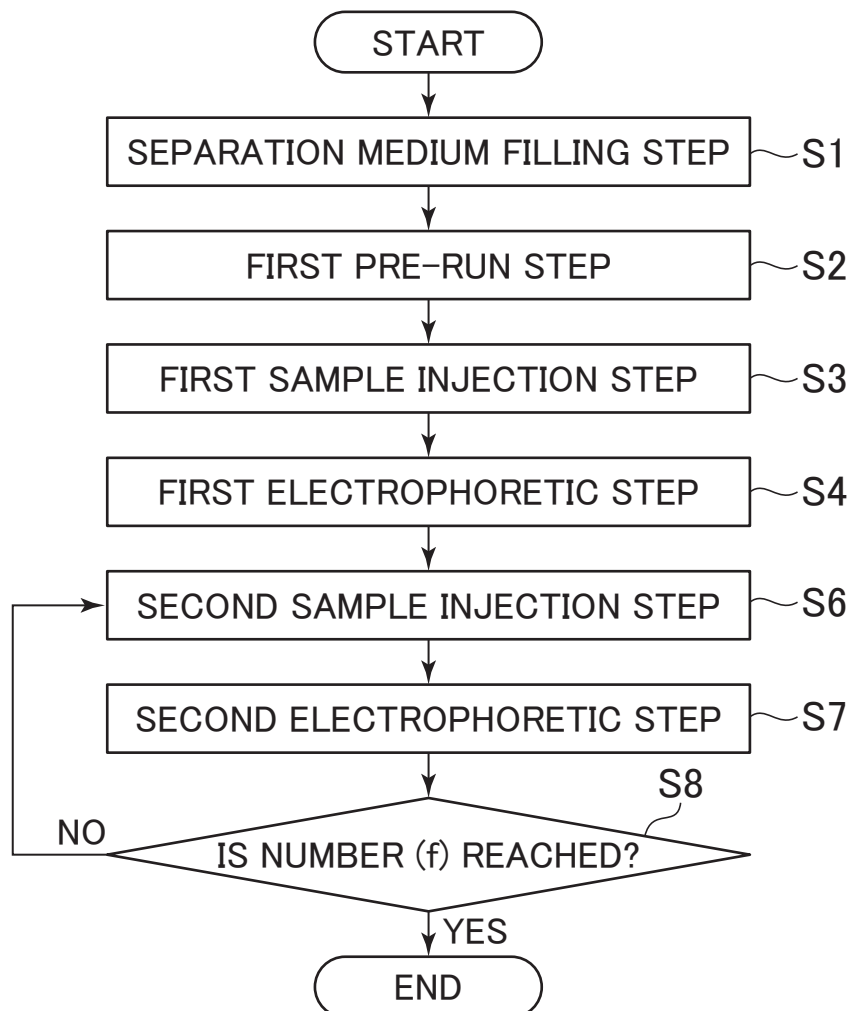


FIG. 10

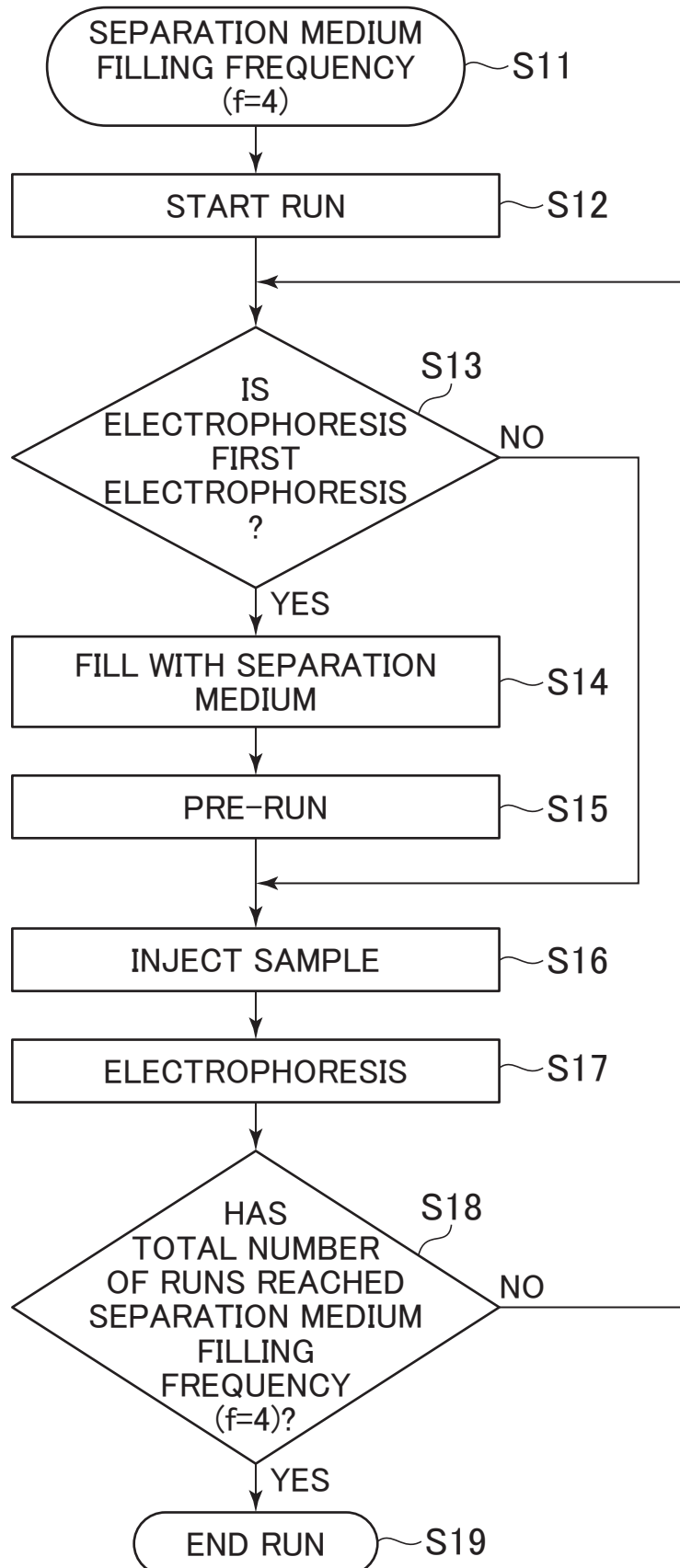


FIG. 12

AROUND 600 bp

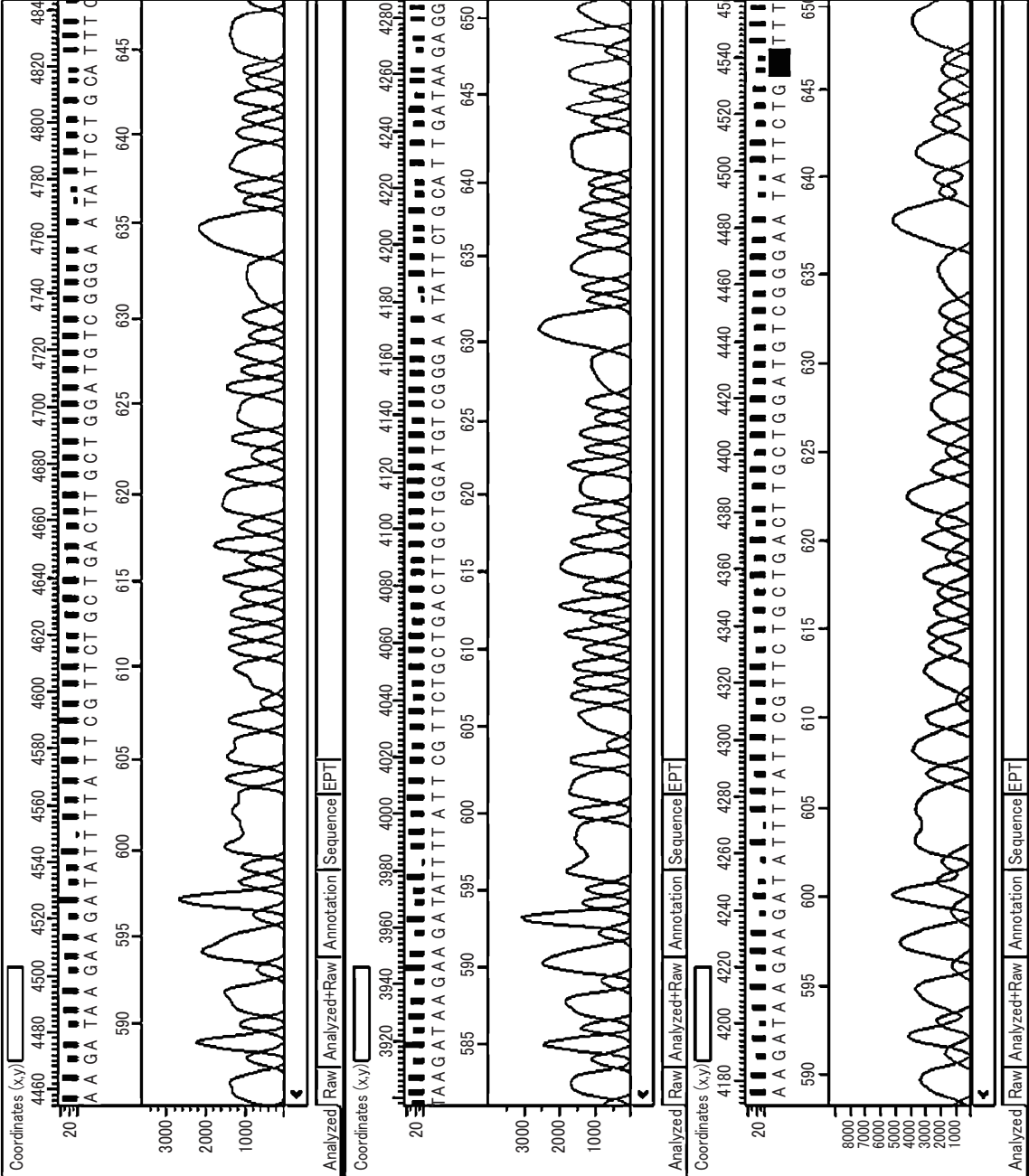


FIG. 13

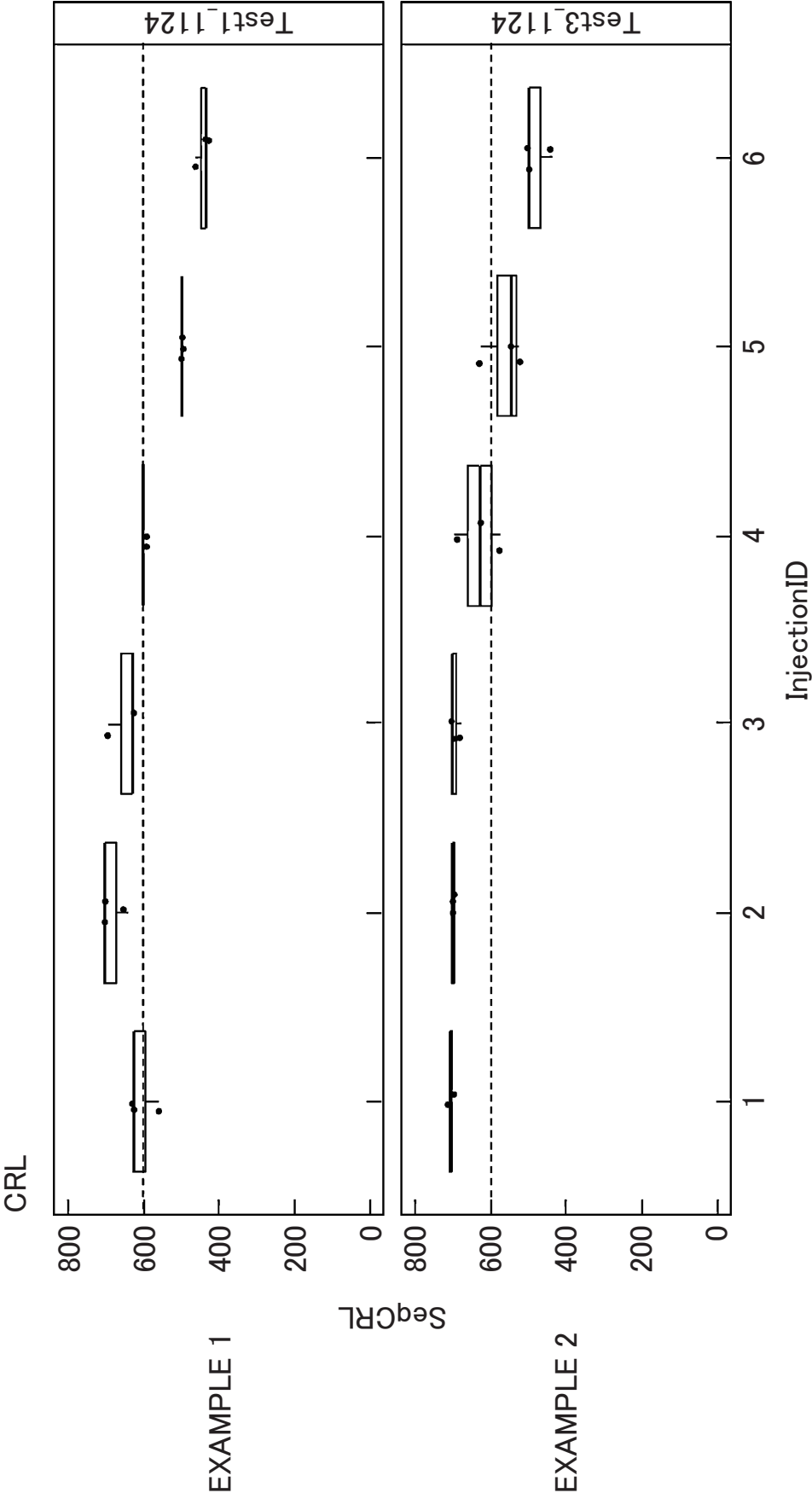


FIG. 14

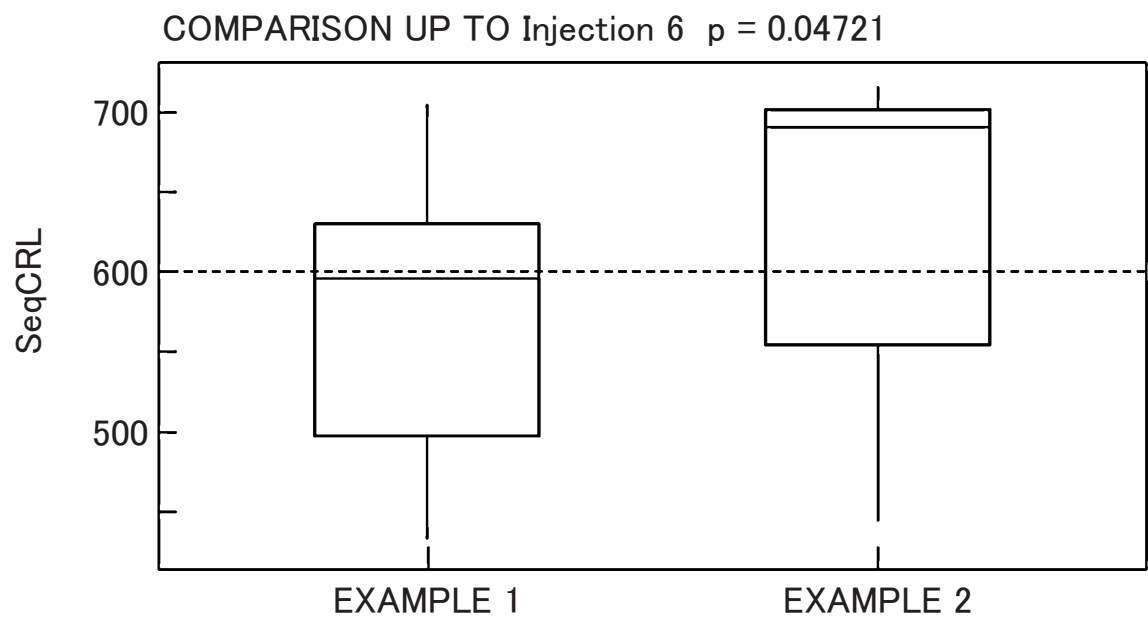


FIG. 15

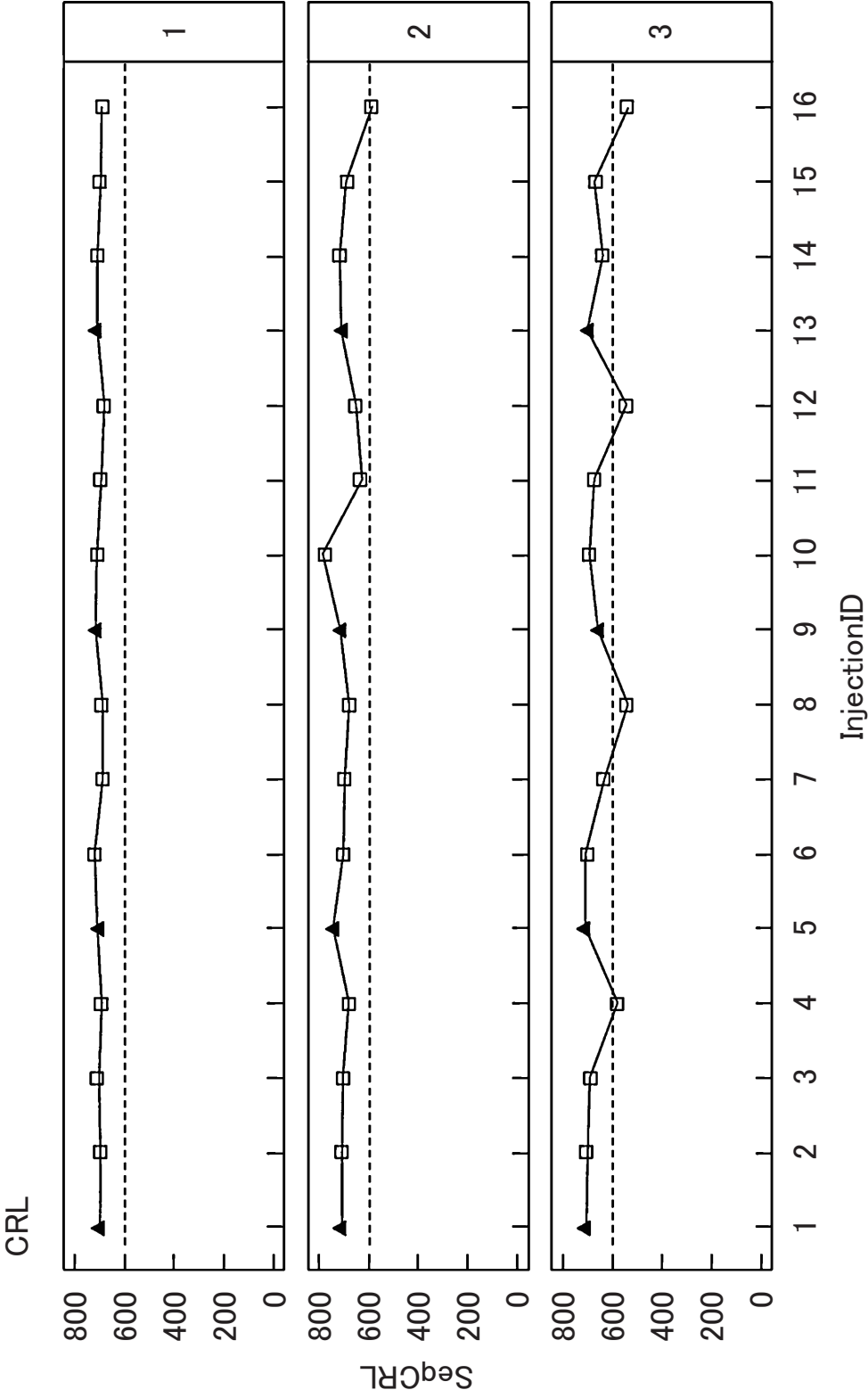


FIG. 16

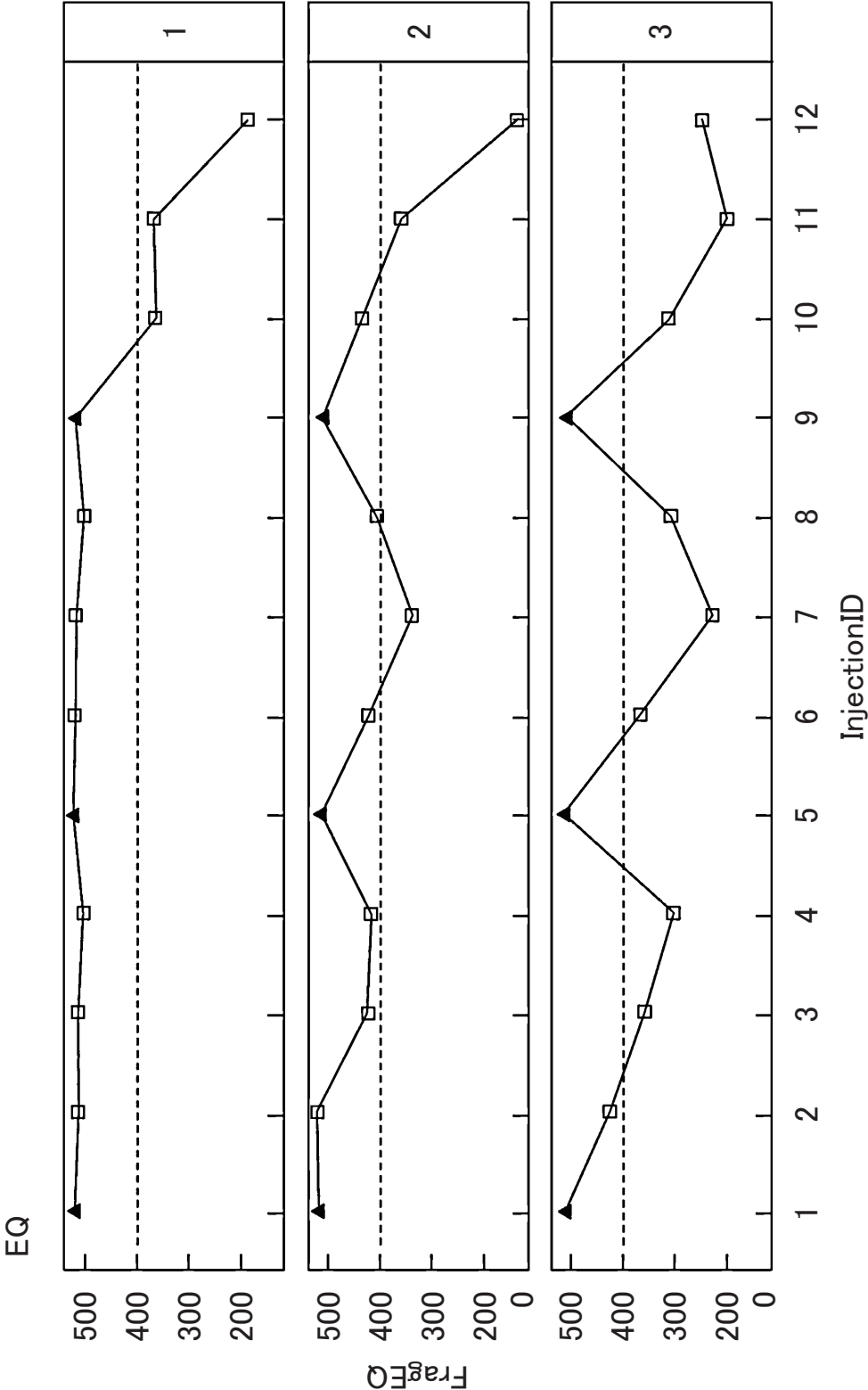
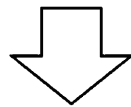
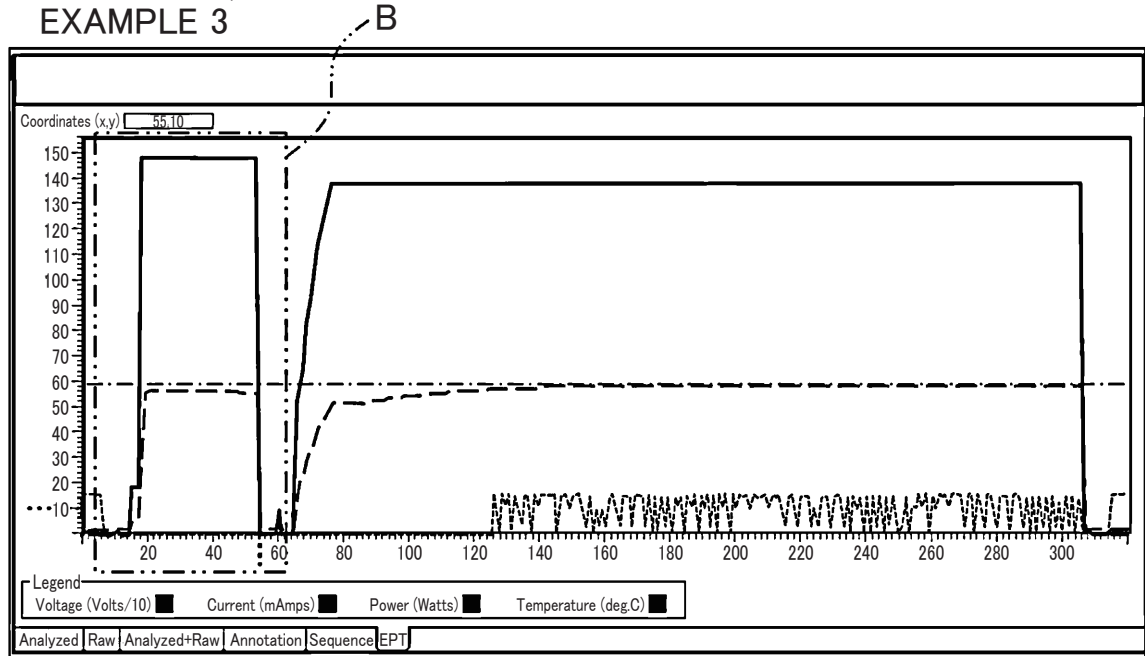


FIG. 17

EXAMPLE 1,
EXAMPLE 3



EXAMPLE 2, EXAMPLE 4

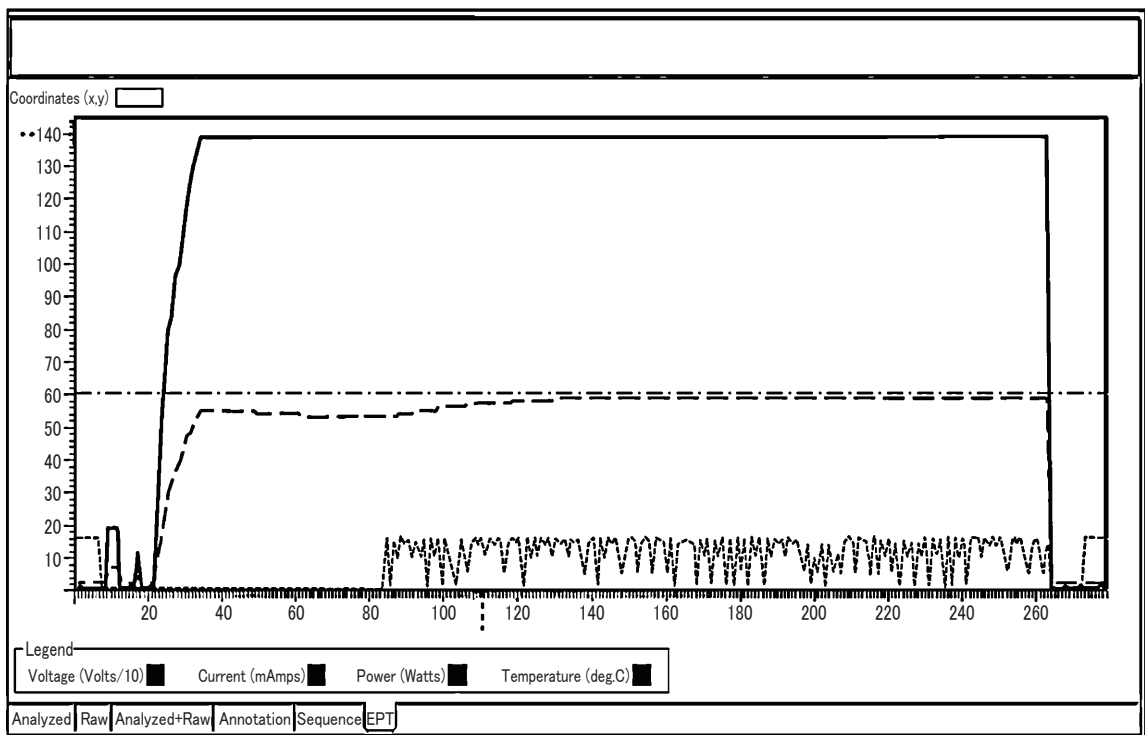


FIG. 18

MT500	1run	2run	3run	4run	5run	6run	7run	8run	9run	10run
Cap1 [min]	25.6	30.8	28.6	27.0	25.2	29.2	27.8	26.4	25.2	29.0
Cap2 [min]	25.6	30.5	28.1	26.3	25.2	29.1	28.0	26.7	25.2	29.3
Cap3 [min]	25.8	31.0	28.7	27.4	25.3	29.3	28.0	26.9	25.2	29.3
Cap4 [min]	25.5	30.1	27.9	26.3	25.2	29.1	27.9	26.5	25.1	29.0
Average run time [min]	25.6	30.6	28.3	26.8	25.2	29.2	27.9	26.6	25.2	29.2
Average run time spec [min]	≤ 30.0									
Average run time spec judge	Pass	Fail	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
MT Uniformity	0.9%	3.0%	2.8%	4.1%	0.3%	0.7%	0.7%	1.9%	0.4%	1.1%
Spec	≤ 5.0%									
MT Uniformity judge	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass