

FIG. 1

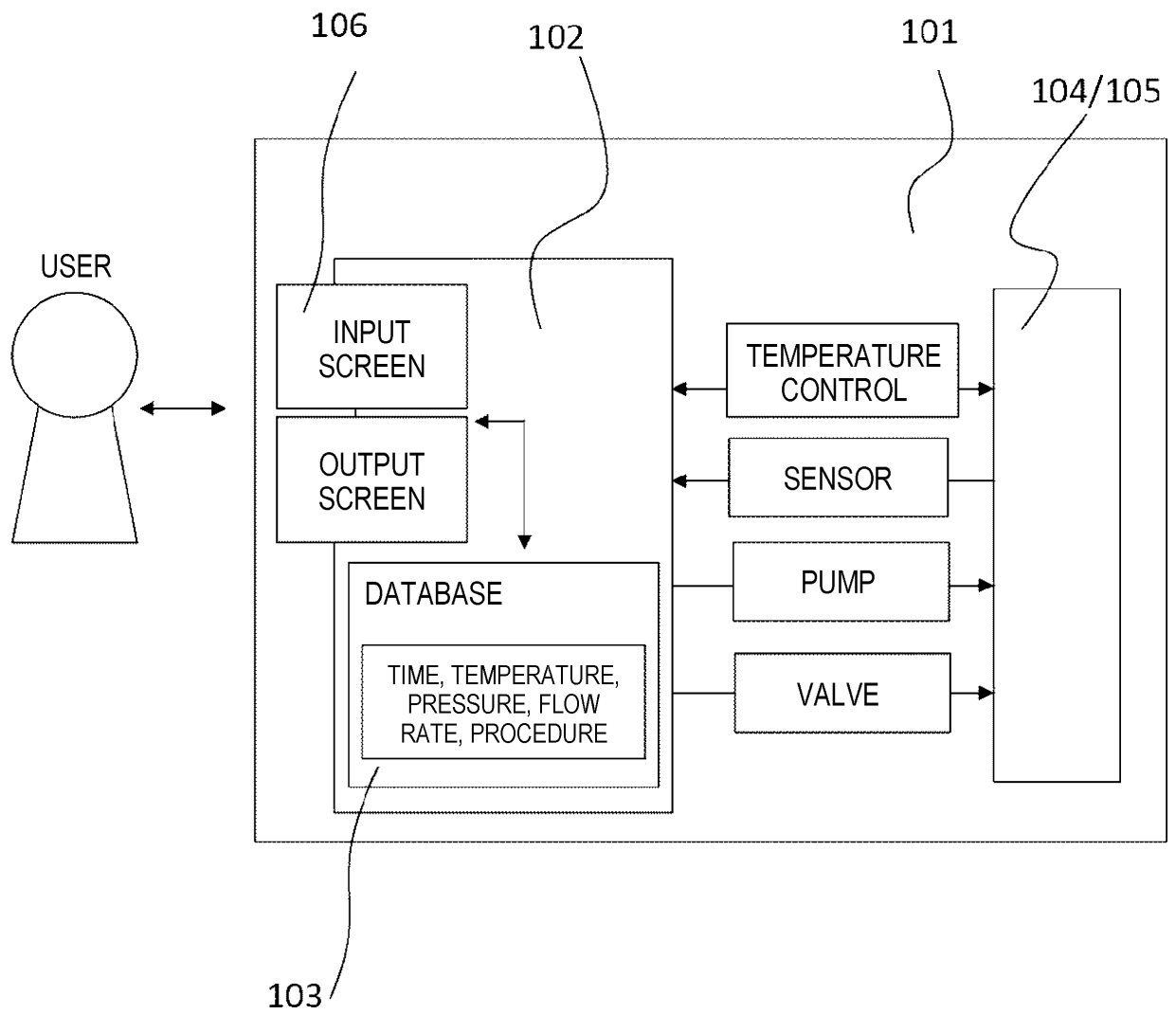


FIG. 2

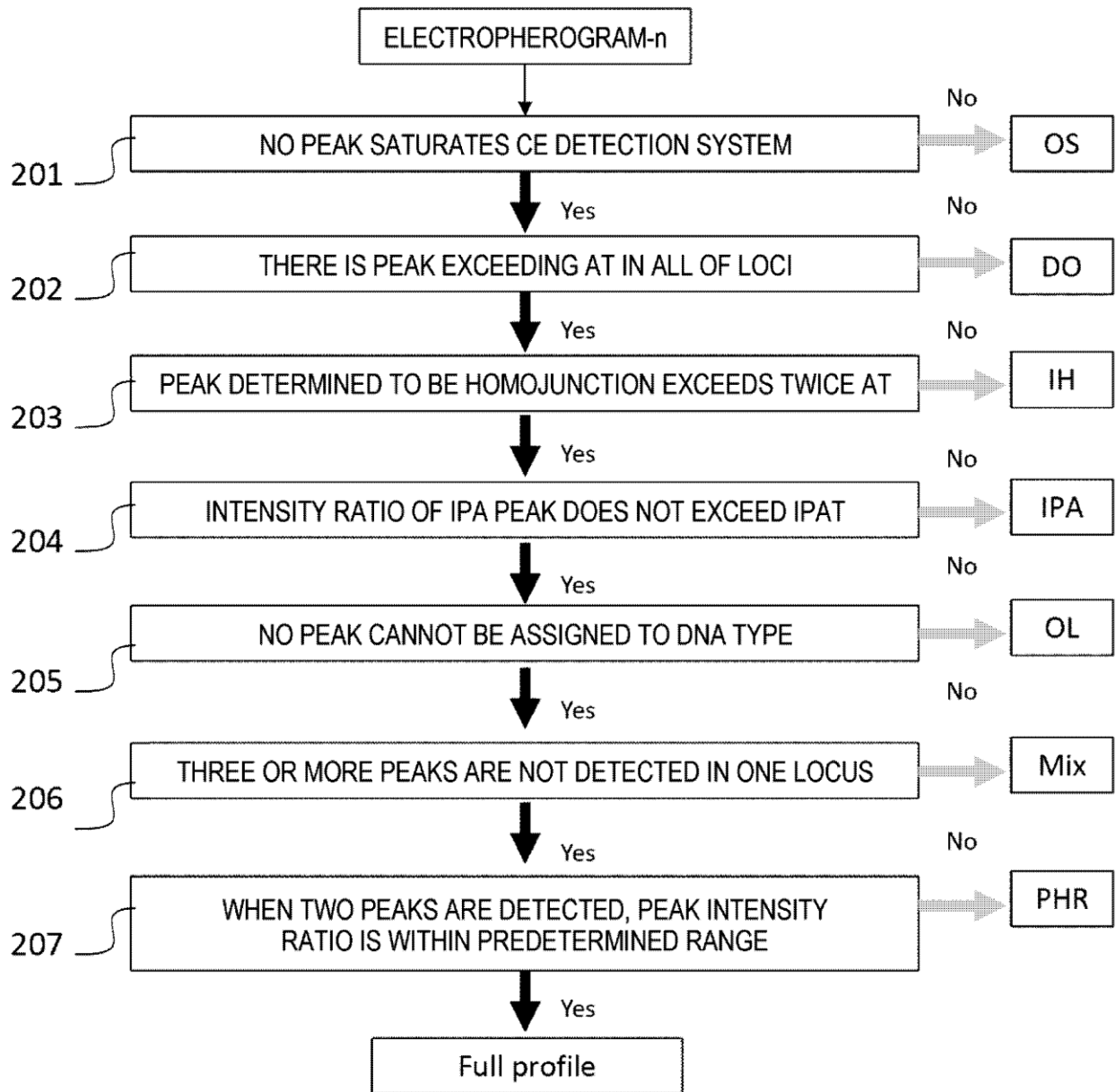


FIG. 3

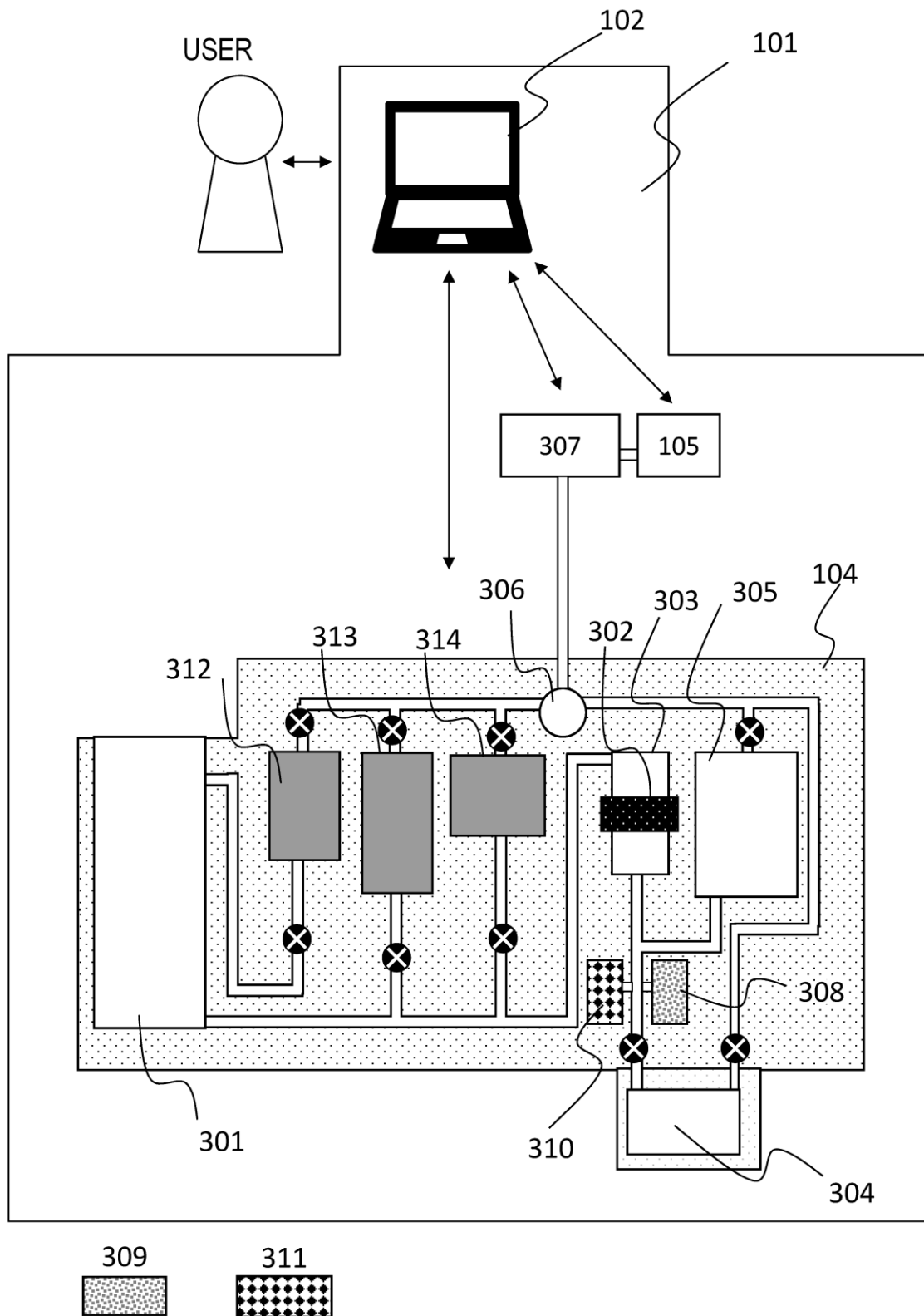


FIG. 4

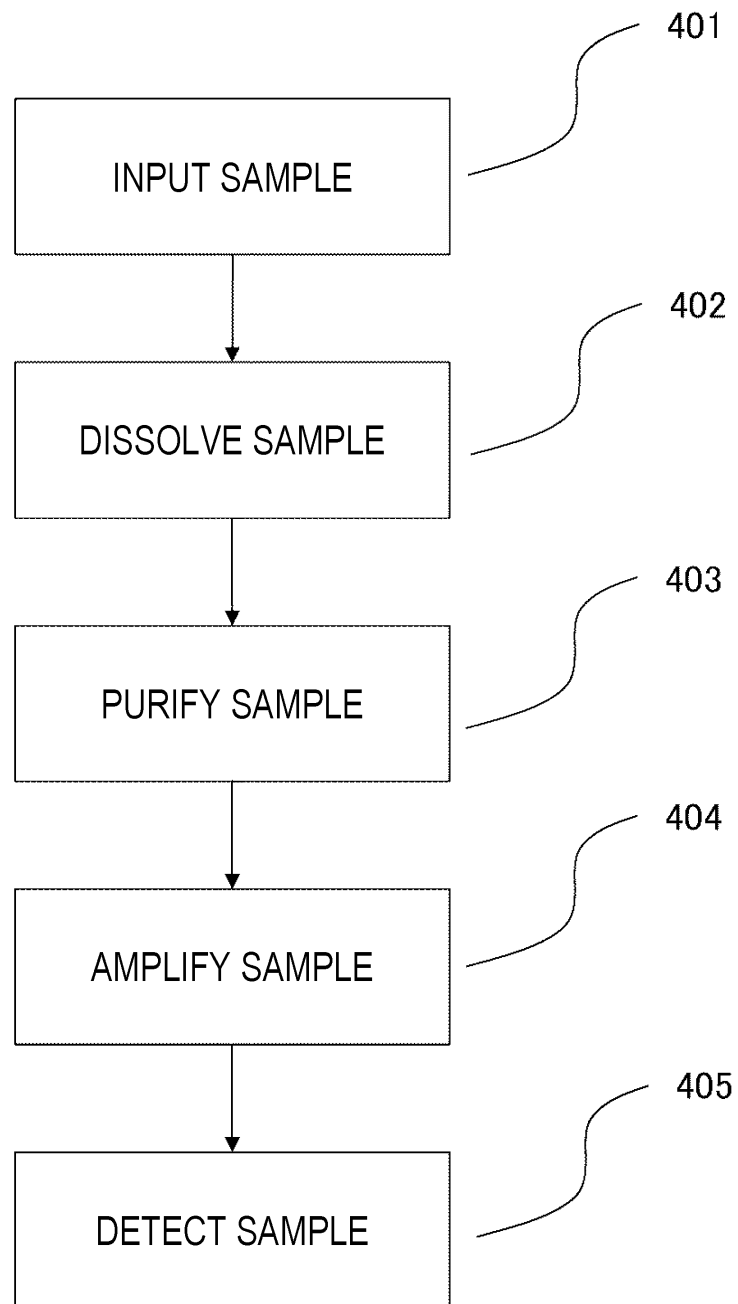


FIG. 5

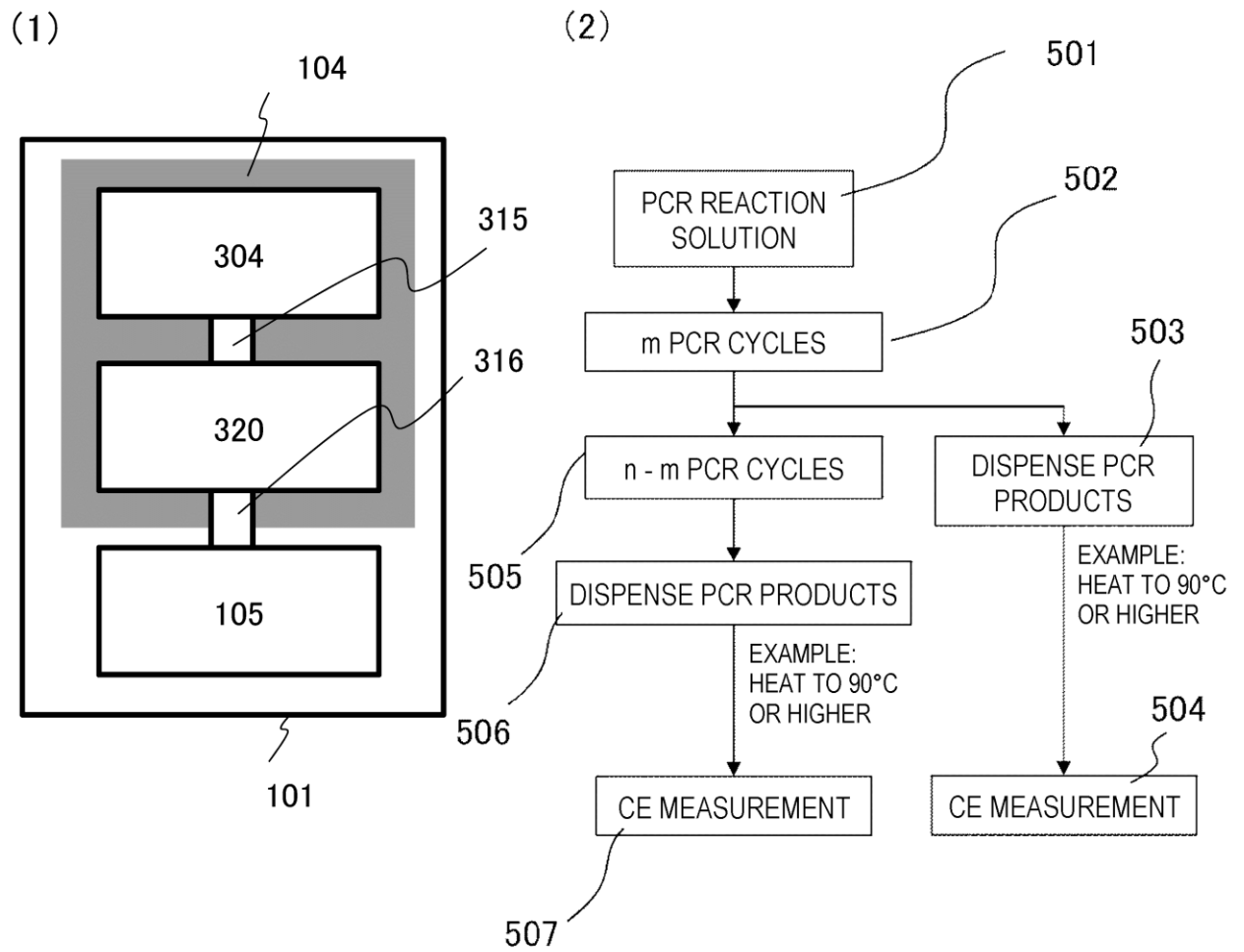


FIG. 6

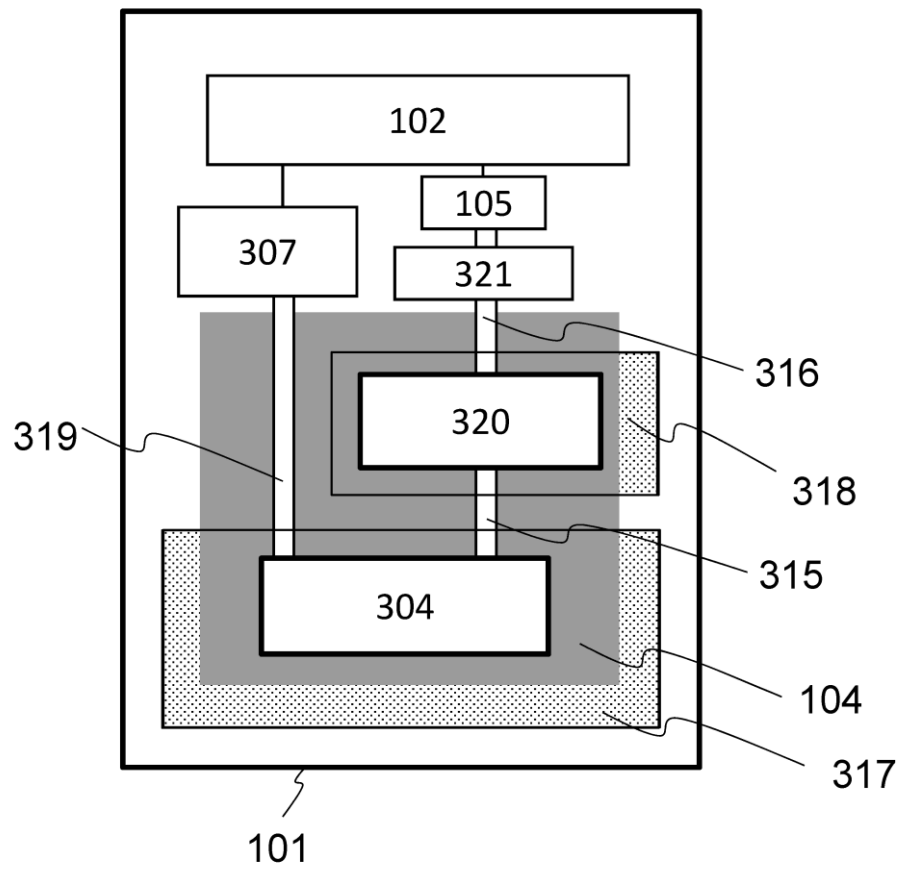


FIG. 7

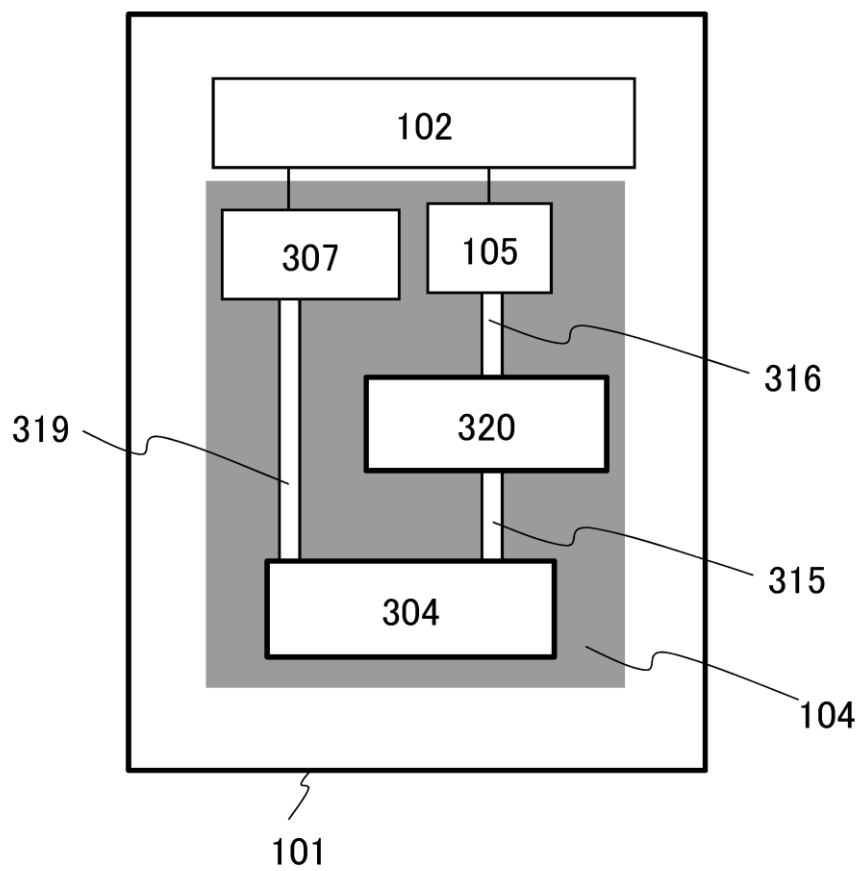


FIG. 8

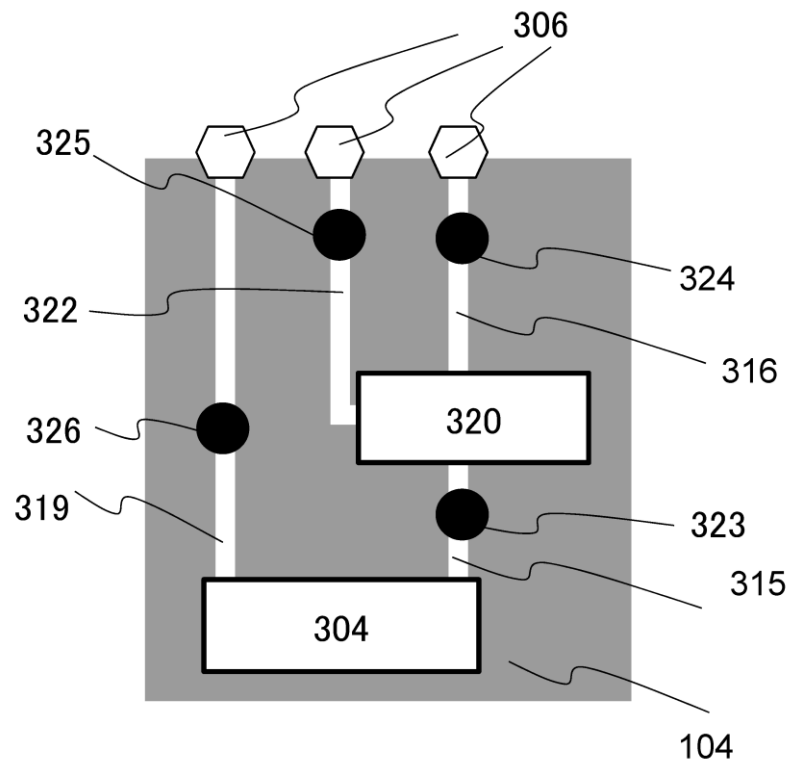


FIG. 9

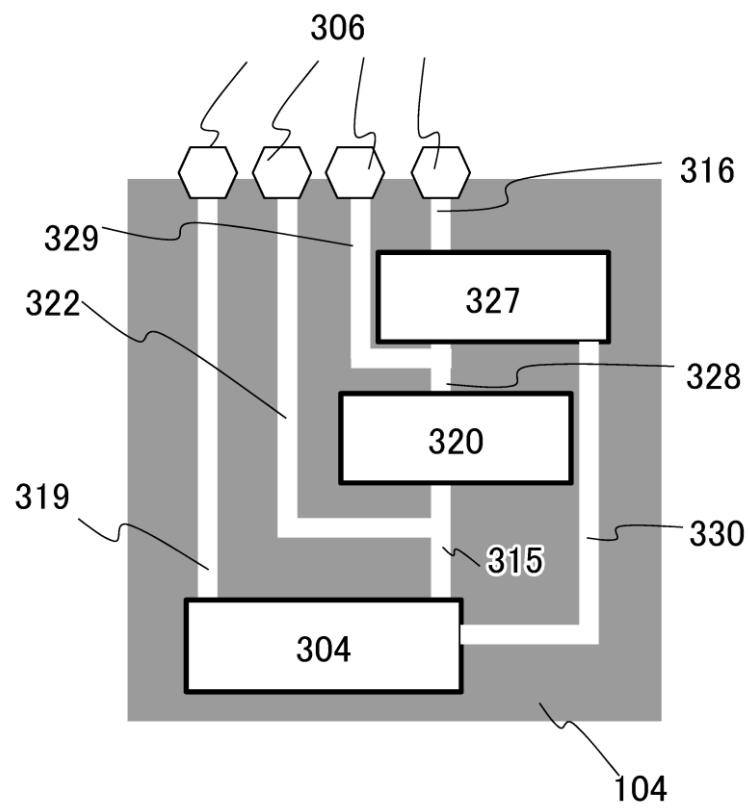


FIG. 10

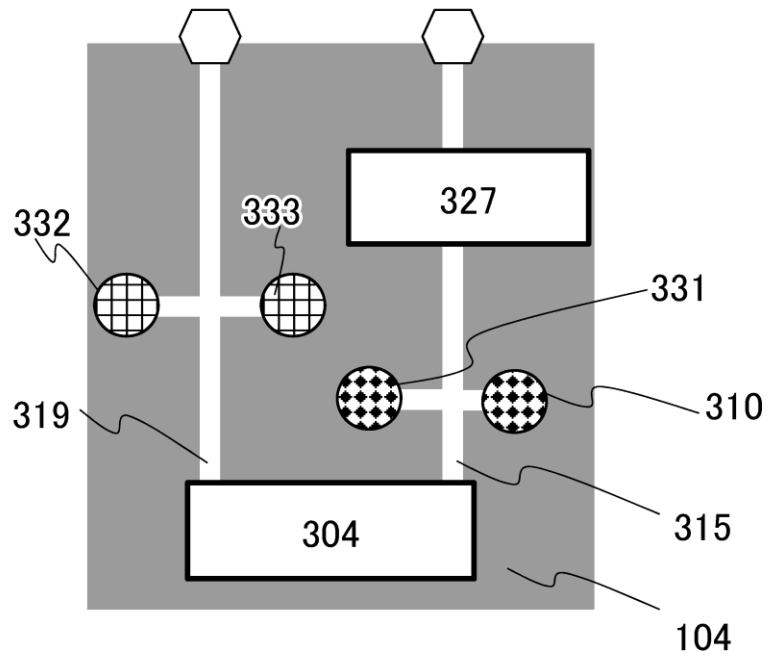


FIG. 11

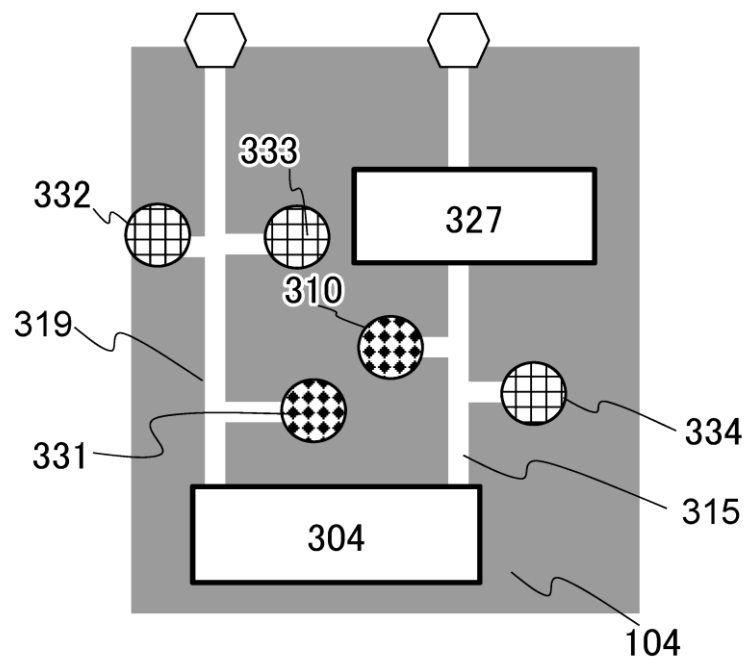


FIG. 12

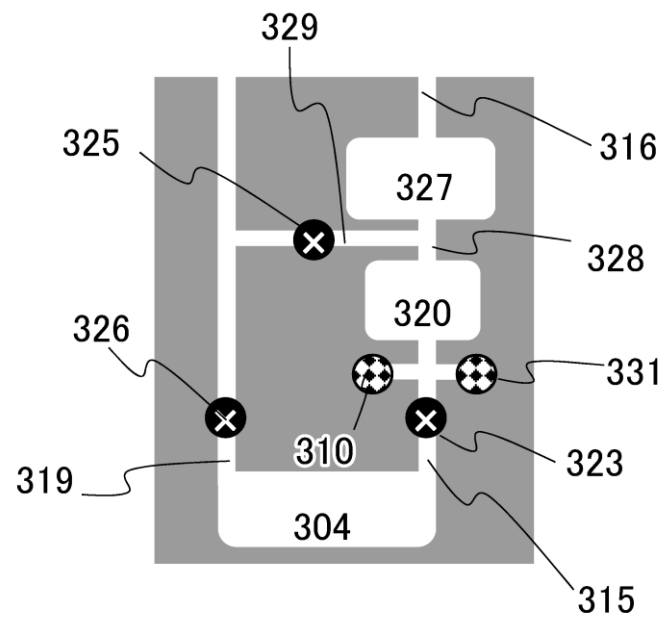


FIG. 13

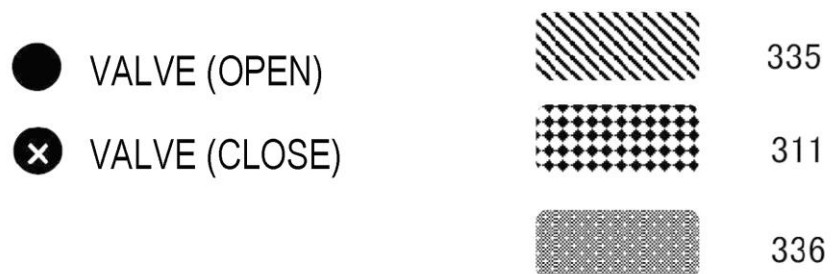
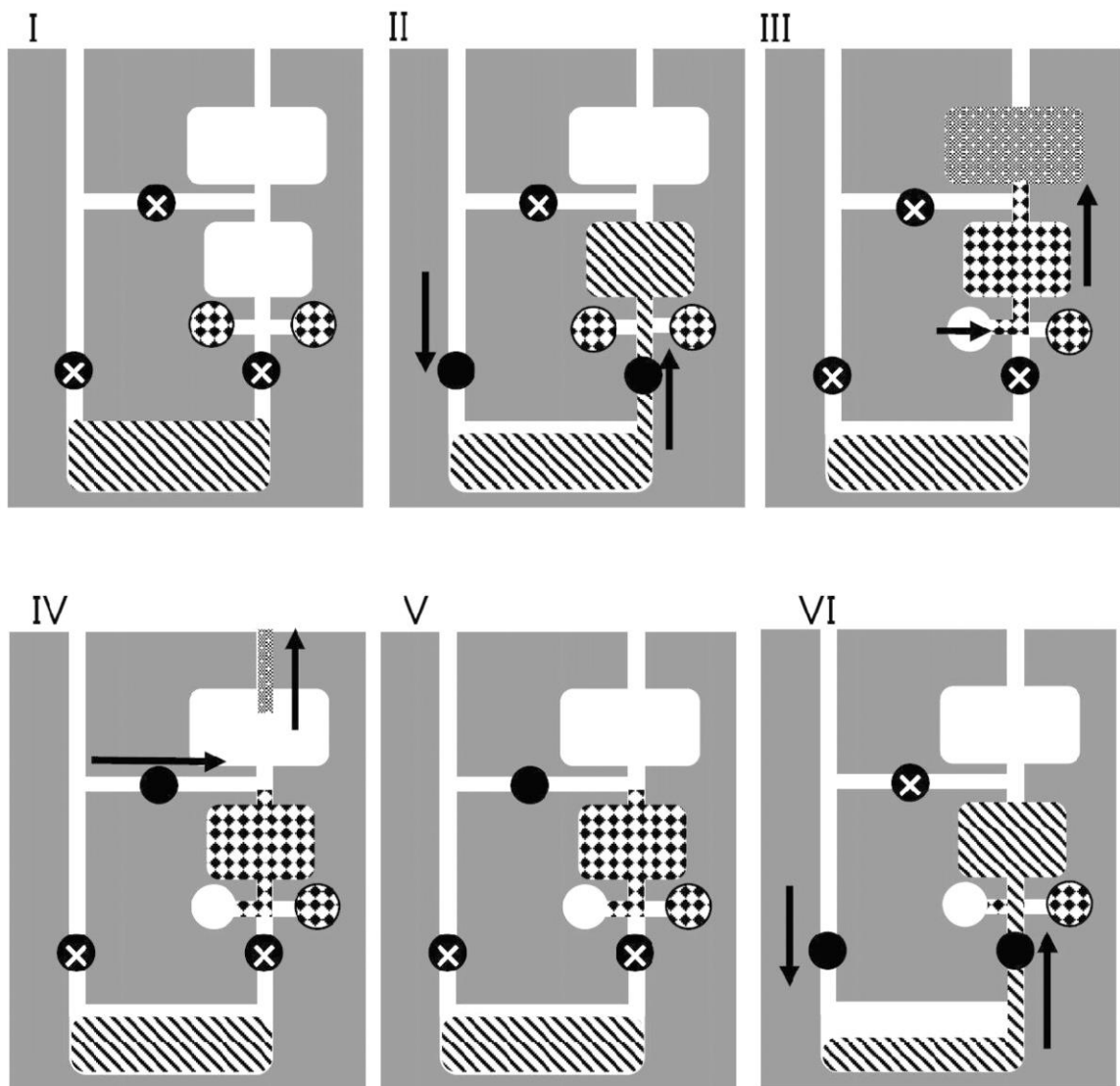


FIG. 14

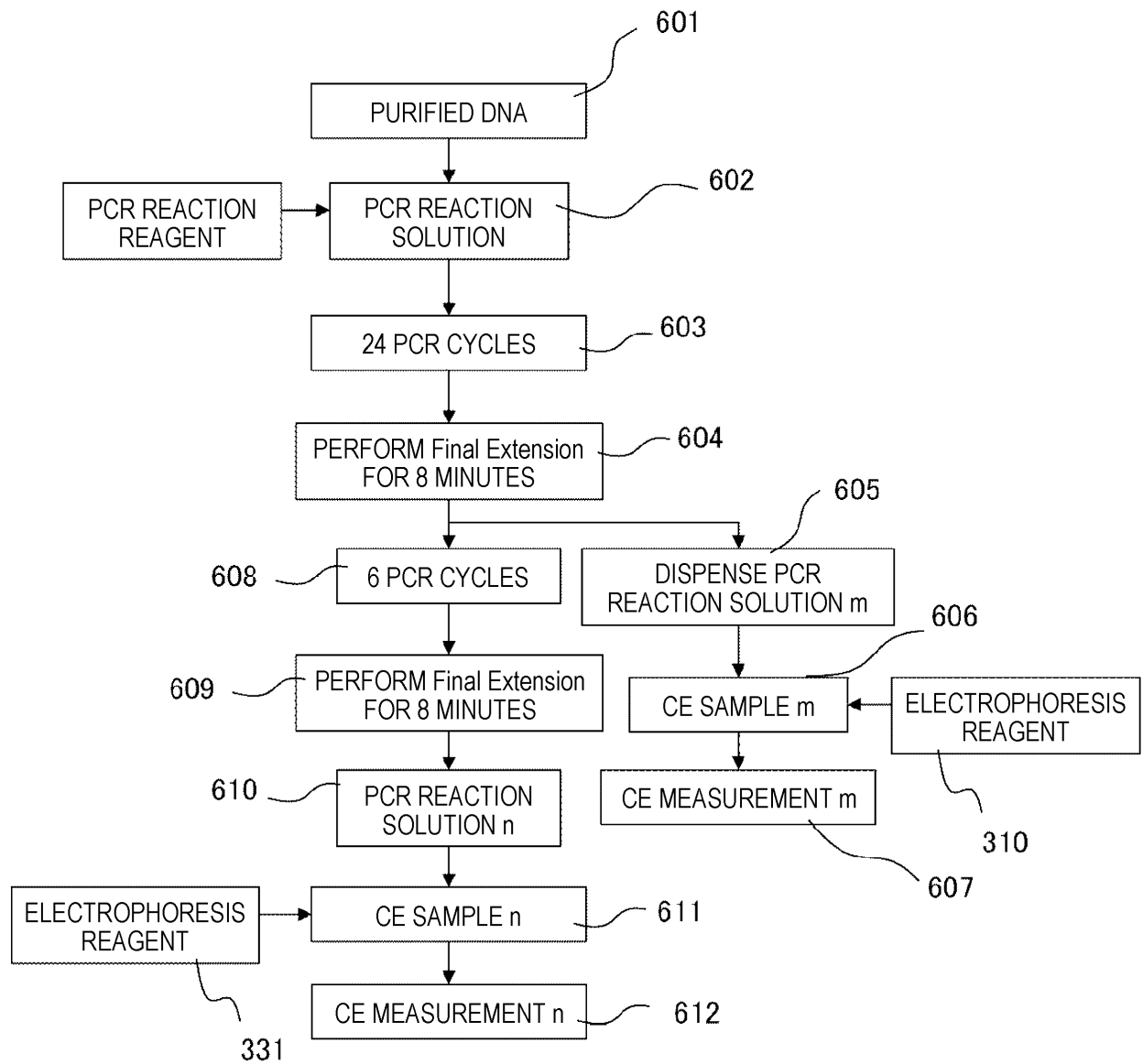


FIG. 15

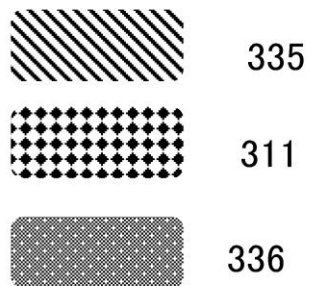
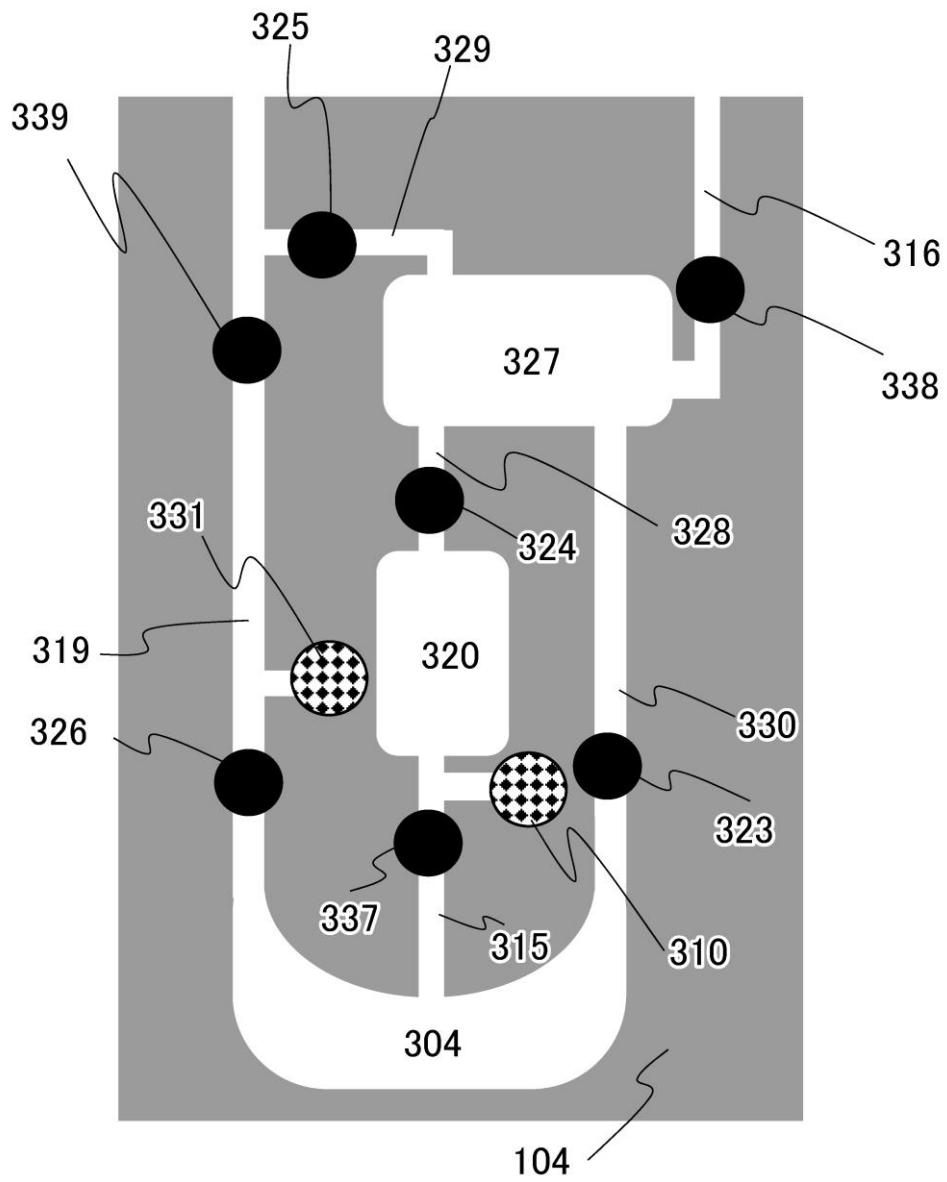


FIG. 16

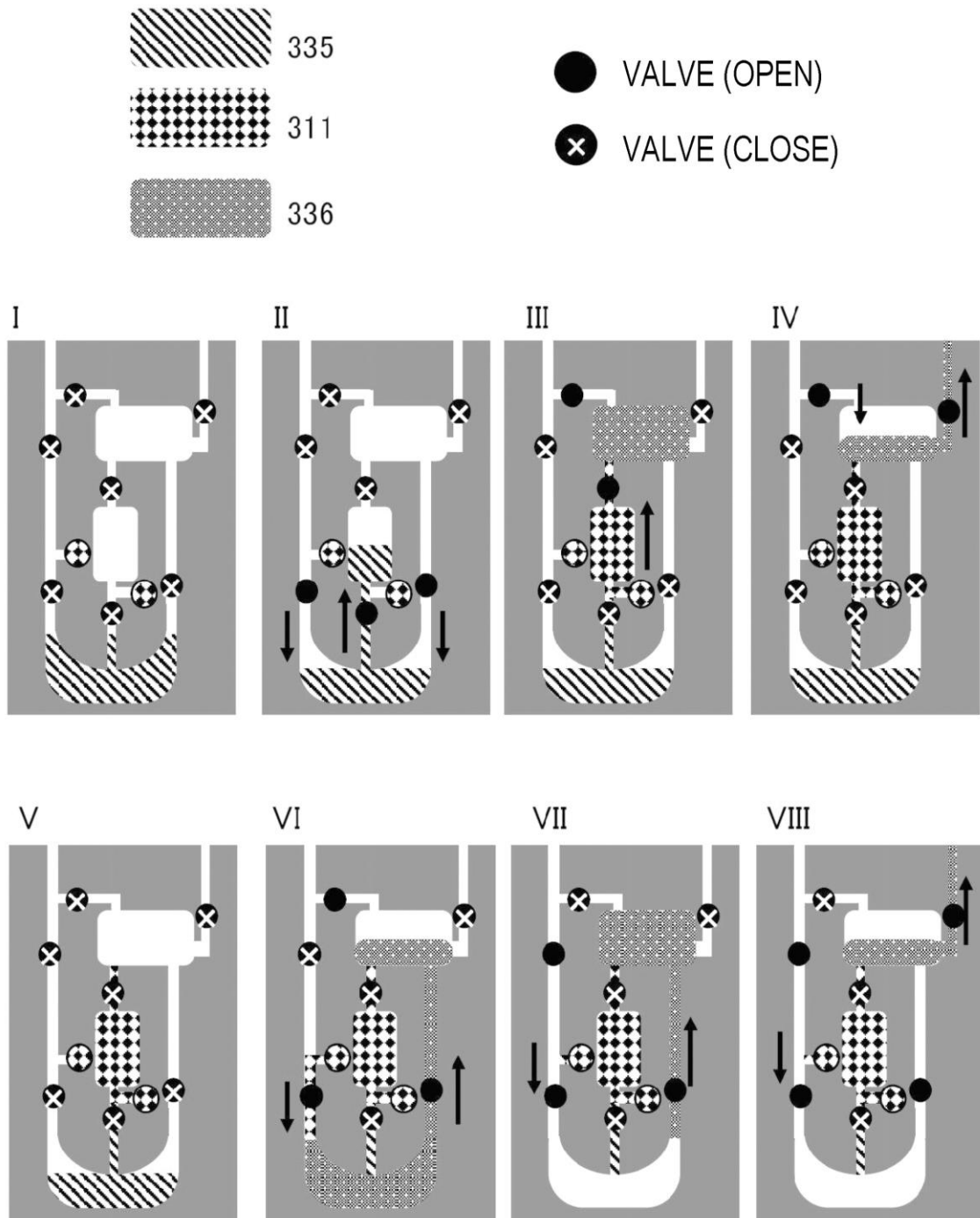


FIG. 17

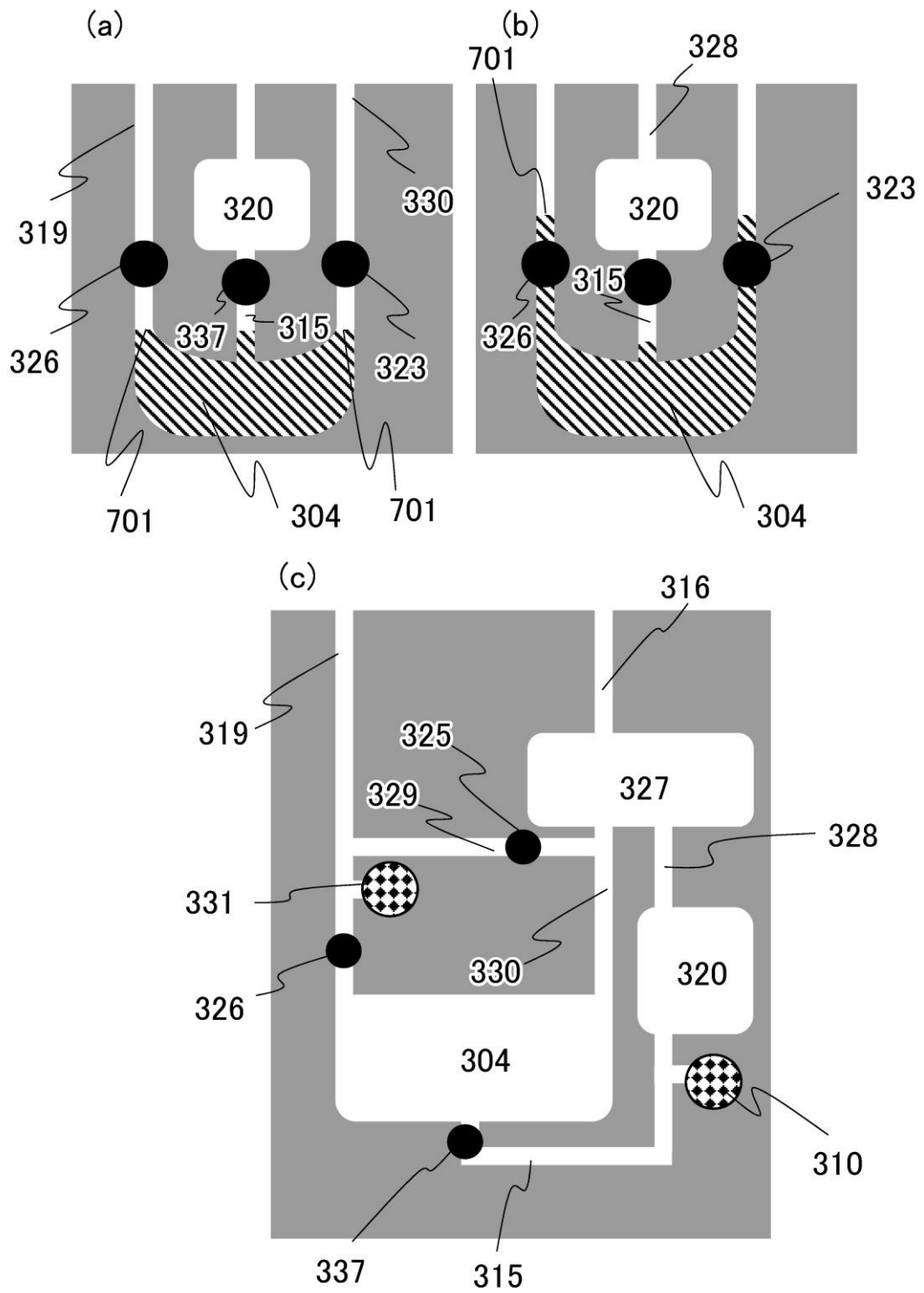


FIG. 18

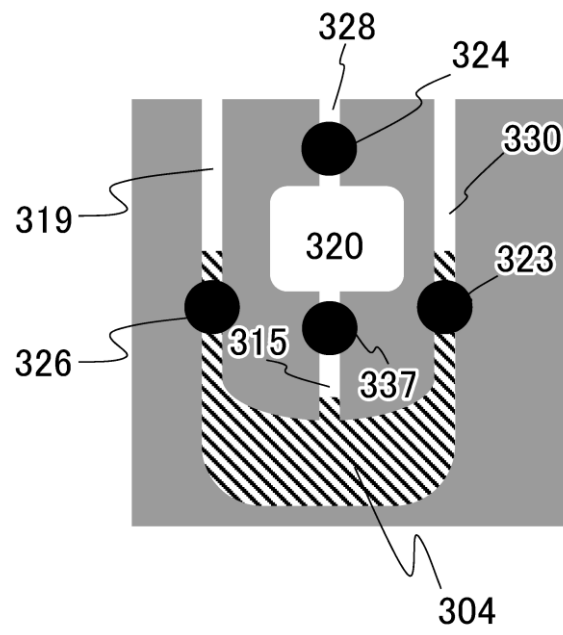


FIG. 19

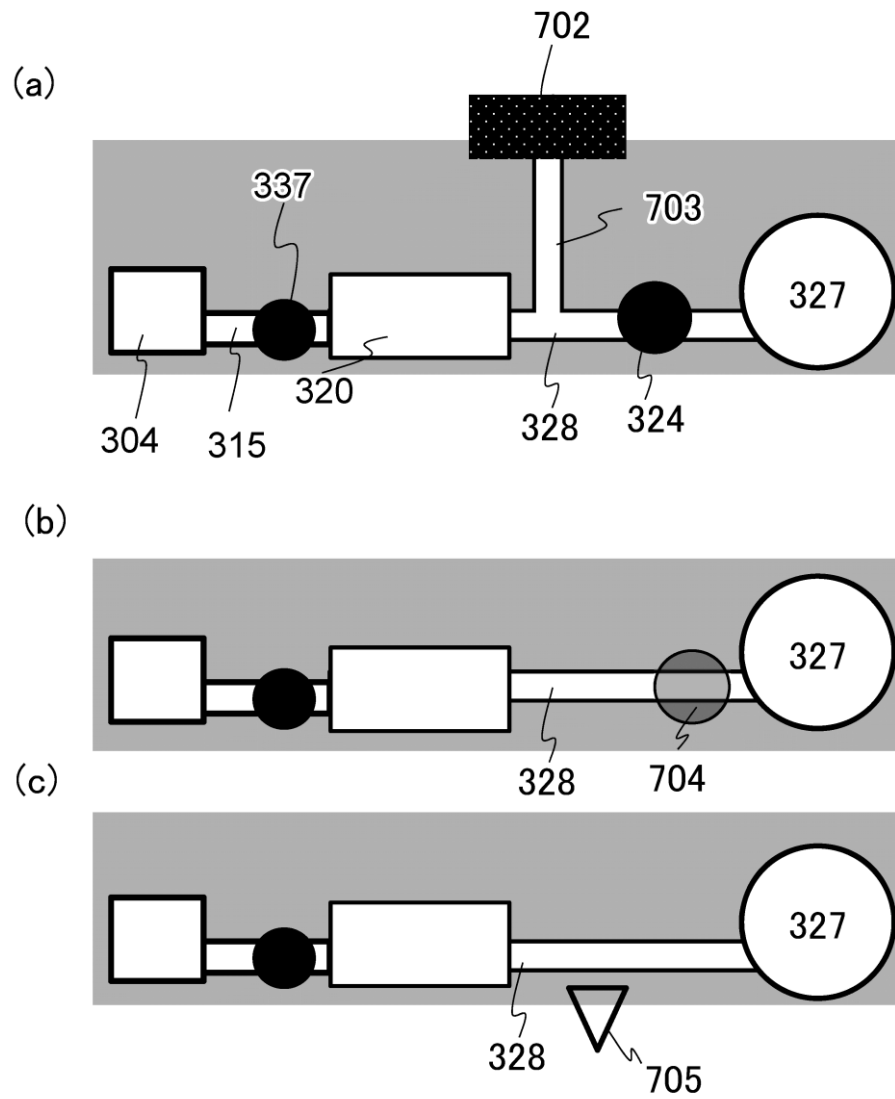


FIG. 20

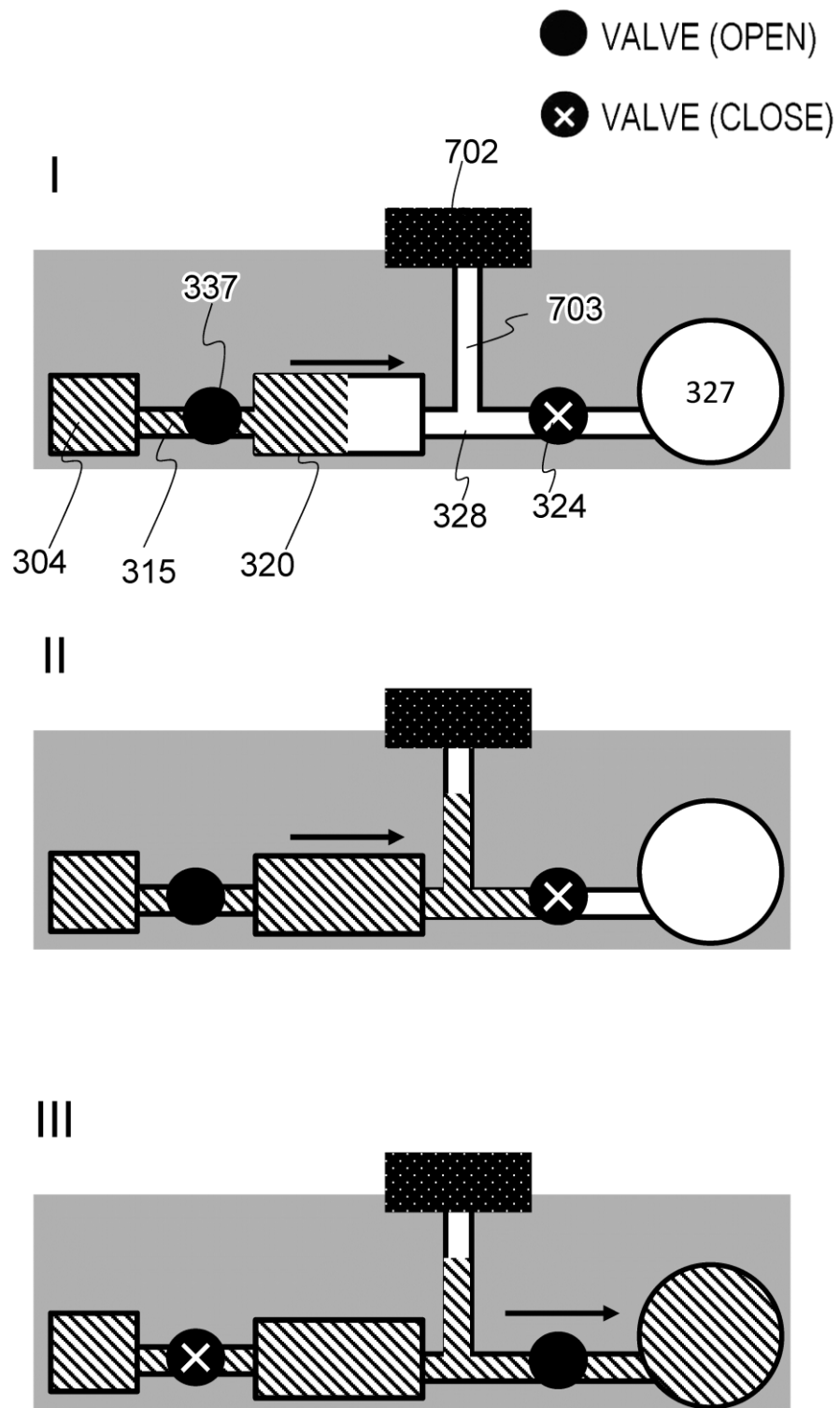


FIG. 21

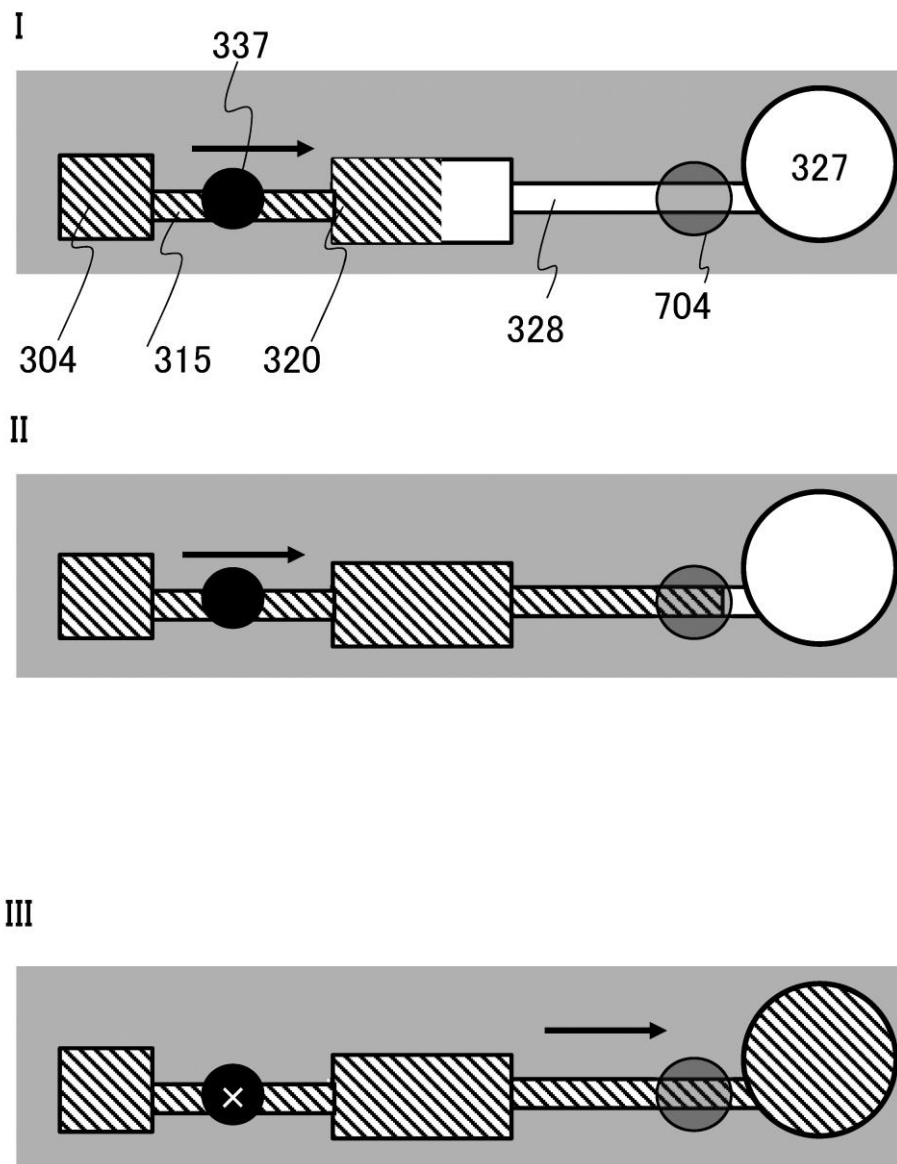


FIG. 22

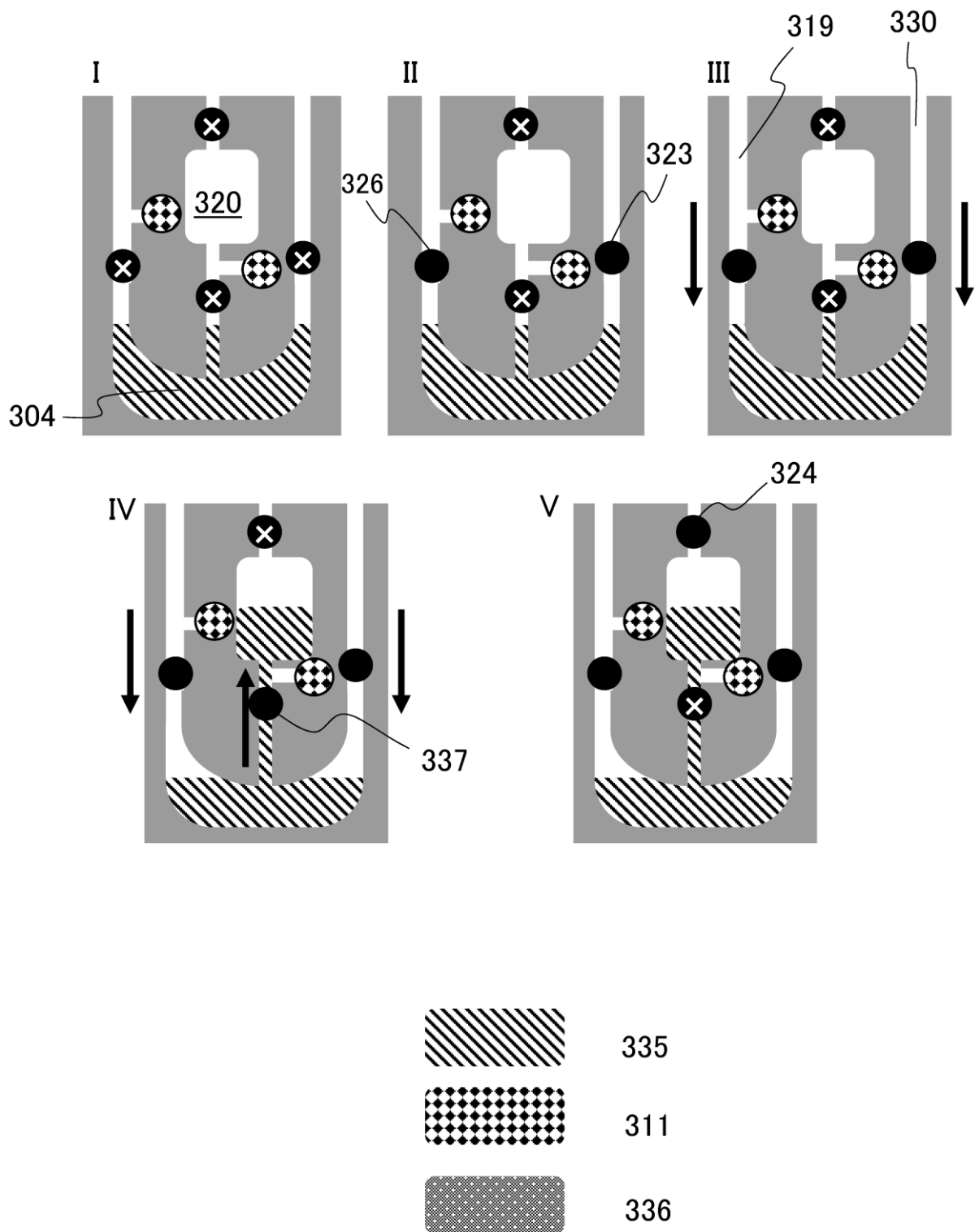


FIG. 23

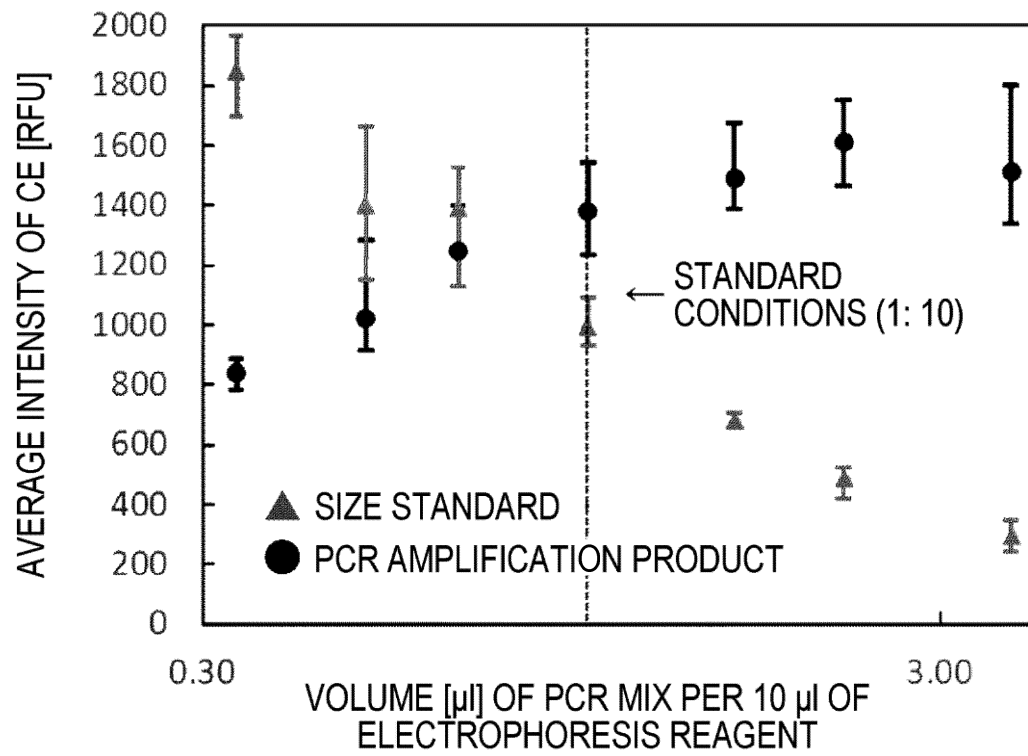
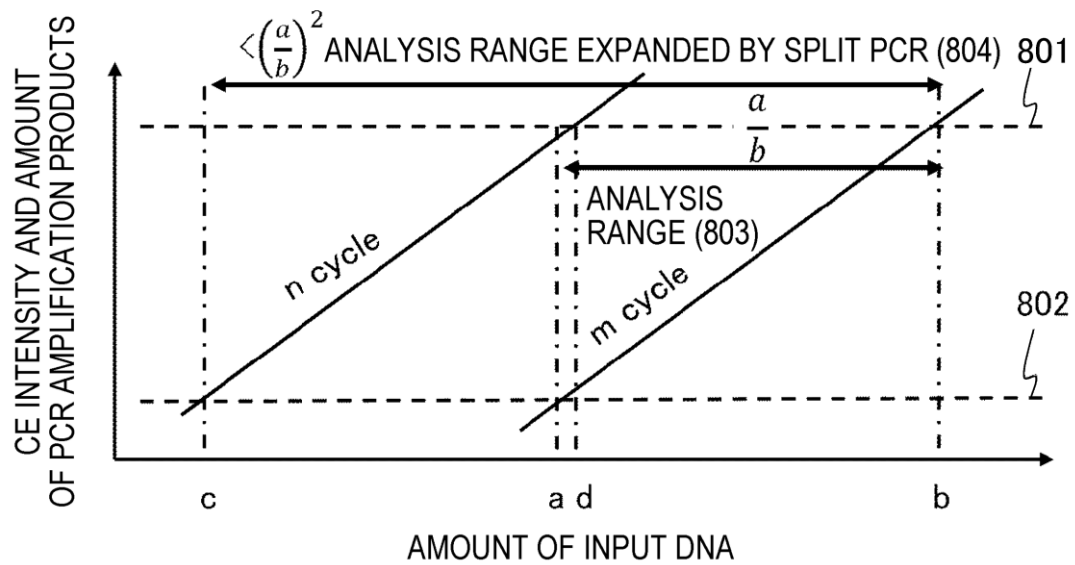


FIG. 24

(1) IN CASE OF $a < d$



(2) IN CASE OF $d < a$

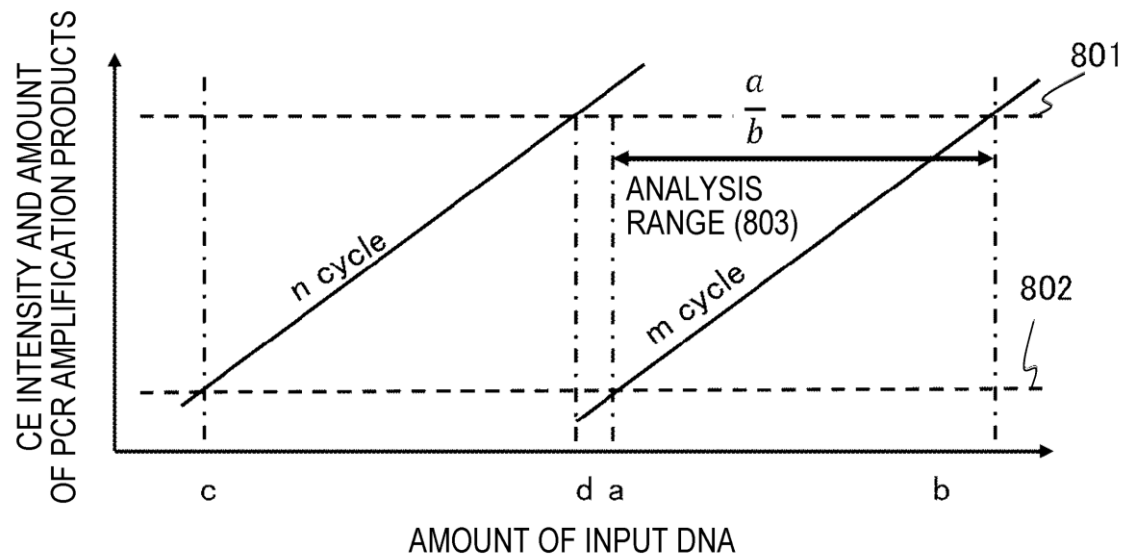


FIG. 25

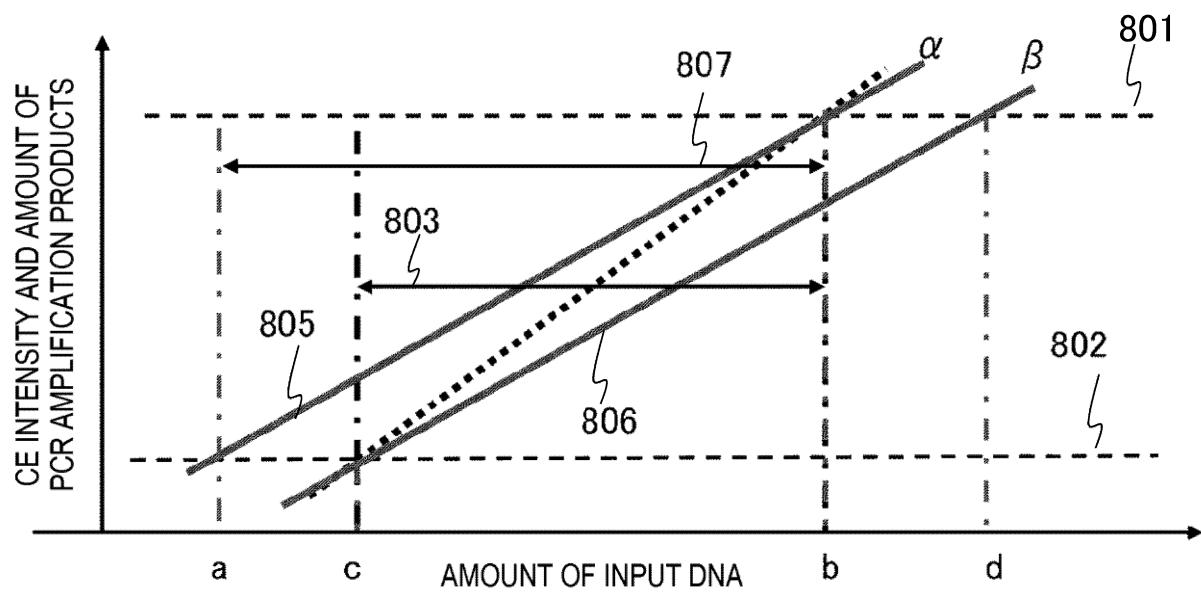


FIG. 26

MAXIMUM PEAK INTENSITY RATIO OF ANALYZABLE PROFILE

DYNAMIC RANGE OF CE OR MAXIMUM ANALYSIS RANGE OF FRAGMENT (807)	30	15	7.5	3.75	1.88						
	60	30	15	7.5	3.75	1.88					
	120	60	30	15	7.5	3.75	1.88				
	240	120	60	30	15	7.5	3.75	1.88			
	480	240	120	60	30	15	7.5	3.75	1.88		
	960	480	240	120	60	30	15	7.5	3.75	1.88	
	1920	960	480	240	120	60	30	15	7.5	3.75	1.88
	3840	1920	960	480	240	120	60	30	15	7.5	3.75
	7680	3840	1920	960	480	240	120	60	30	15	7.5
	15360	7680	3840	1920	960	480	240	120	60	30	15
		1	2	3	4	5	6	7	8	9	10
						n-m					

FIG. 27

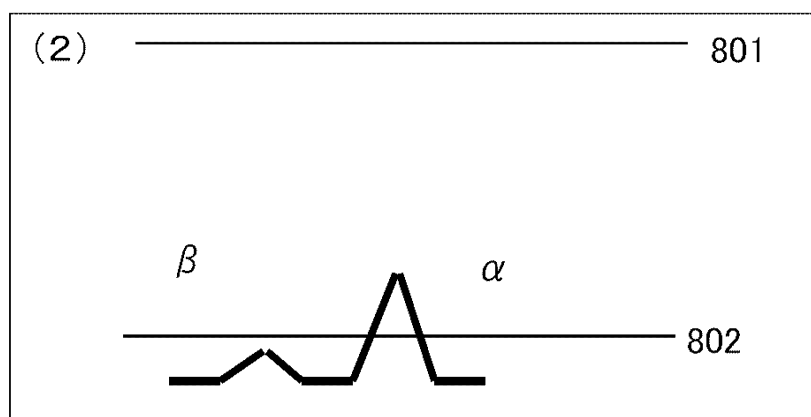
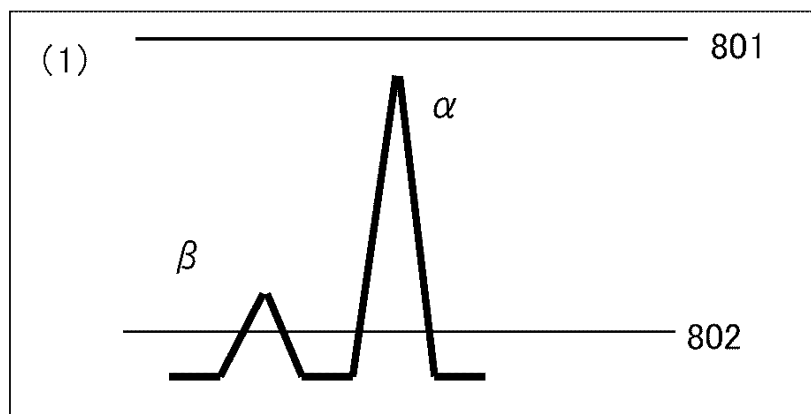


FIG. 28

ANALYSIS RANGE EXPANSION RATE

(1)

m CYCLES SETTING VALUE	m	20	65536	32768	16384	8192	4096	2048	1024	512	256	128	64	32	16	8
		21	32768	16384	8192	4096	2048	1024	512	256	128	64	32	16	8	4
		22	16384	8192	4096	2048	1024	512	256	128	64	32	16	8	4	2
		23	8192	4096	2048	1024	512	256	128	64	32	16	8	4	2	
		24	4096	2048	1024	512	256	128	64	32	16	8	4	2		
		25	2048	1024	512	256	128	64	32	16	8	4	2			
		26	1024	512	256	128	64	32	16	8	4	2				
		27	512	256	128	64	32	16	8	4	2					
		28	256	128	64	32	16	8	4	2						
		29	128	64	32	16	8	4	2							
		30	64	32	16	8	4	2								
		31	32	16	8	4	2									
		32	16	8	4	2										
		34	33	32	31	30	29	28	27	26	25	24	23	22	21	
		n														

n CYCLES SETTING VALUE

(2)

UPPER LIMIT OF AMOUNT OF
DNA ANALYZED m CYCLES [ng]

ANALYSIS RANGE

m CYCLES SETTING VALUE
AND UPPER LIMIT OF ANALYSIS

1536	m	20	12.0	11.7	11.4	11.1	10.8	10.5	10.2	9.9	9.6	9.3	9.0	8.7	8.4	8.1
768		21	6.6	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7
384		22	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4
192		23	6.0	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4	
96		24	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4		
48		25	5.4	5.1	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4			
24		26	5.1	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4				
12		27	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4					
6		28	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4						
3		29	4.2	3.9	3.6	3.3	3.0	2.7	2.4							
1.5		30	3.9	3.6	3.3	3.0	2.7	2.4								
0.75		31	3.6	3.3	3.0	2.7	2.4									
0.375	32	3.3	3.0	2.7	2.4											

34 33 32 31 30 29 28 27 26 25 24 23 22 21

n

UPPER LIMIT
OF AMOUNT OF
DNA ANALYZED n
CYCLES [ng]

0.0015	0.0029	0.006	0.012	0.023	0.047	0.094	0.19	0.38	0.75	2	3	6	12
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n CYCLES SETTING VALUE AND LOWER LIMIT OF ANALYSIS

ANALYSIS EXAMPLE:

- m IS 20 OR MORE AND 32 OR LESS
- n IS 24 OR MORE AND 36 OR LESS
- n IS LARGER THAN m BY 4 TO 9

FIG. 29

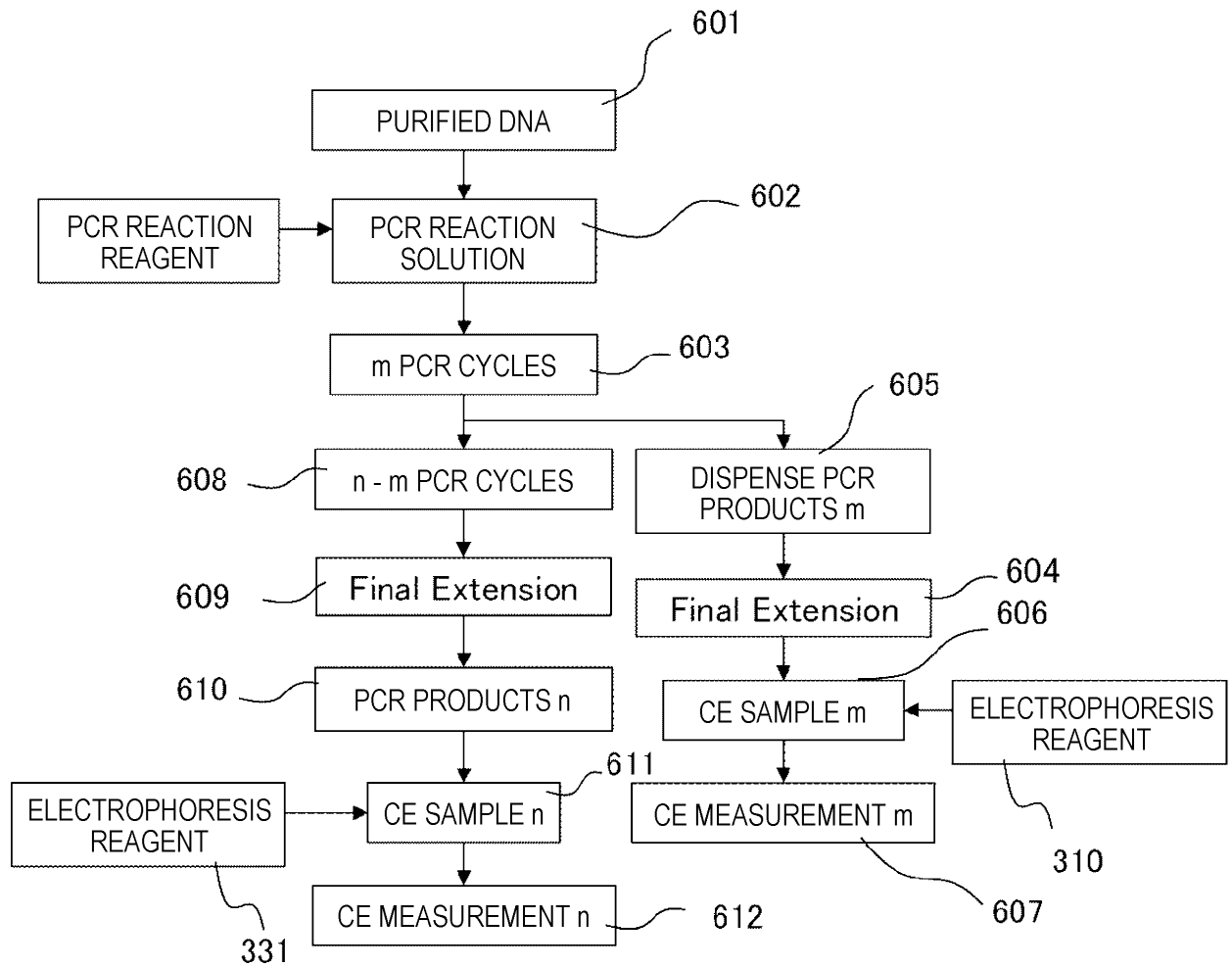


FIG. 30

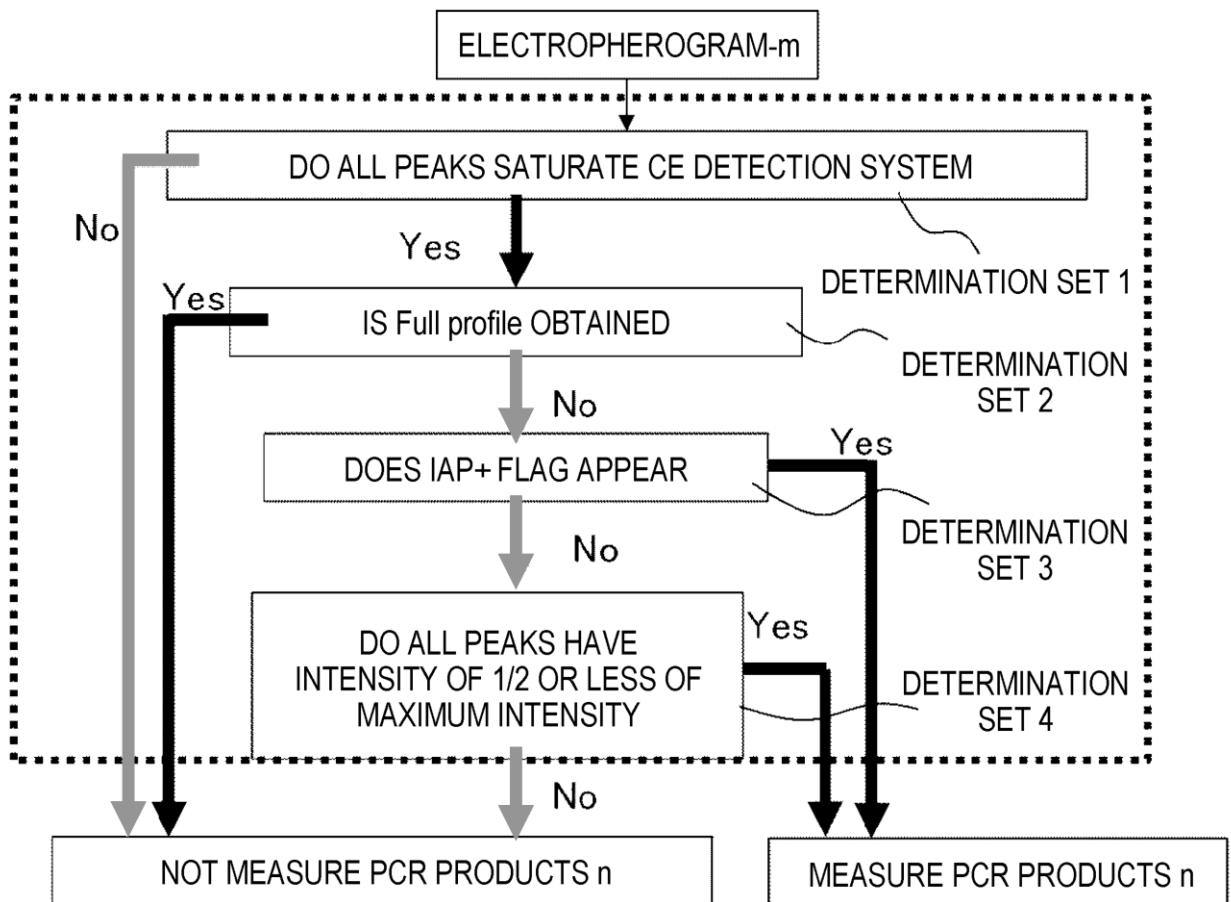


FIG. 31

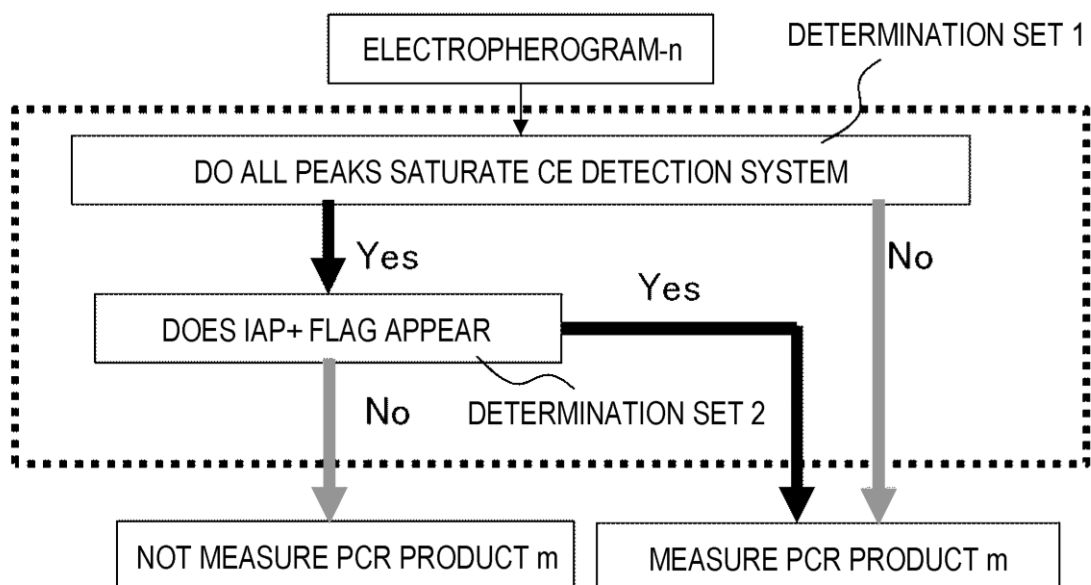


FIG. 32

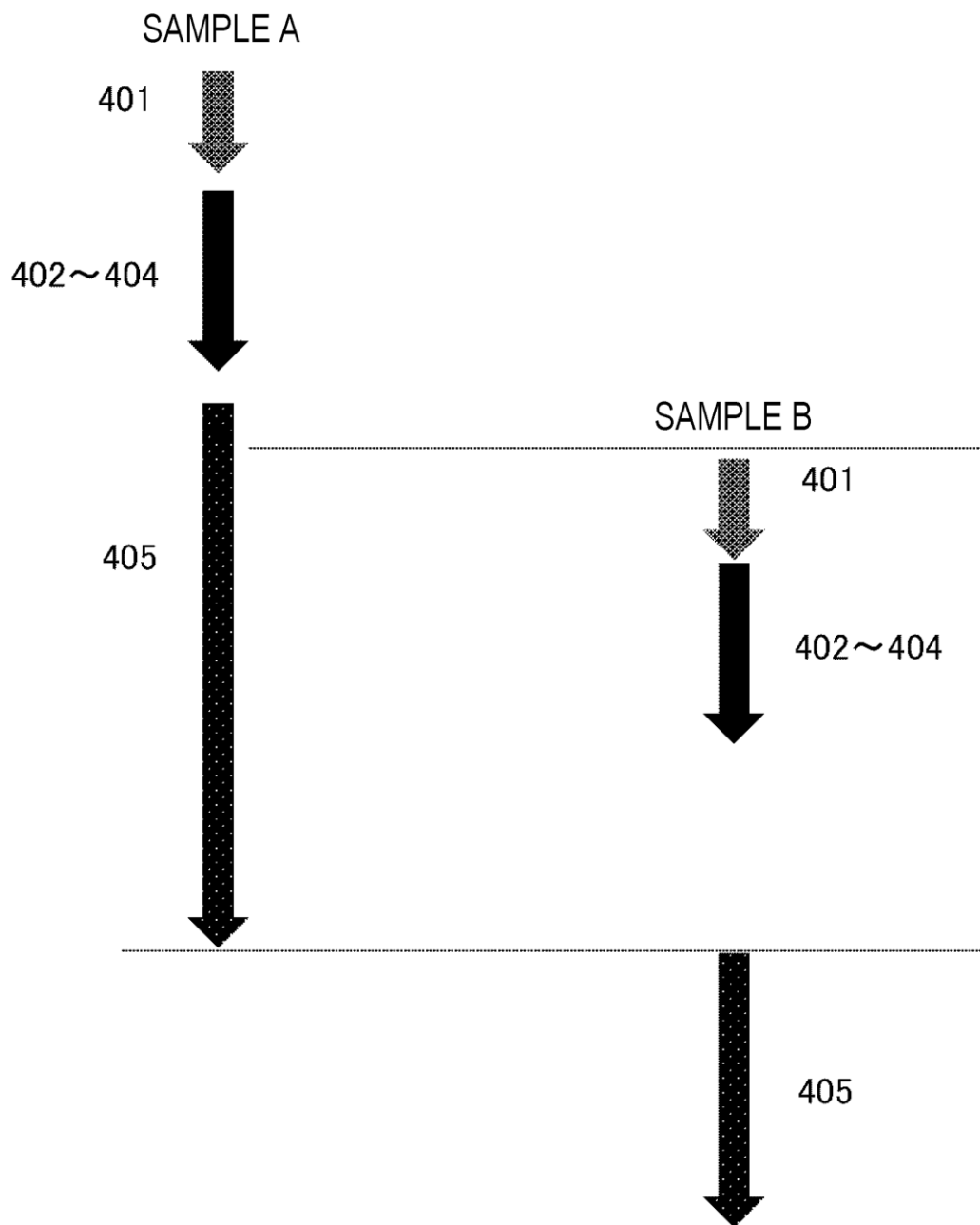


FIG. 33

