

FIG. 1

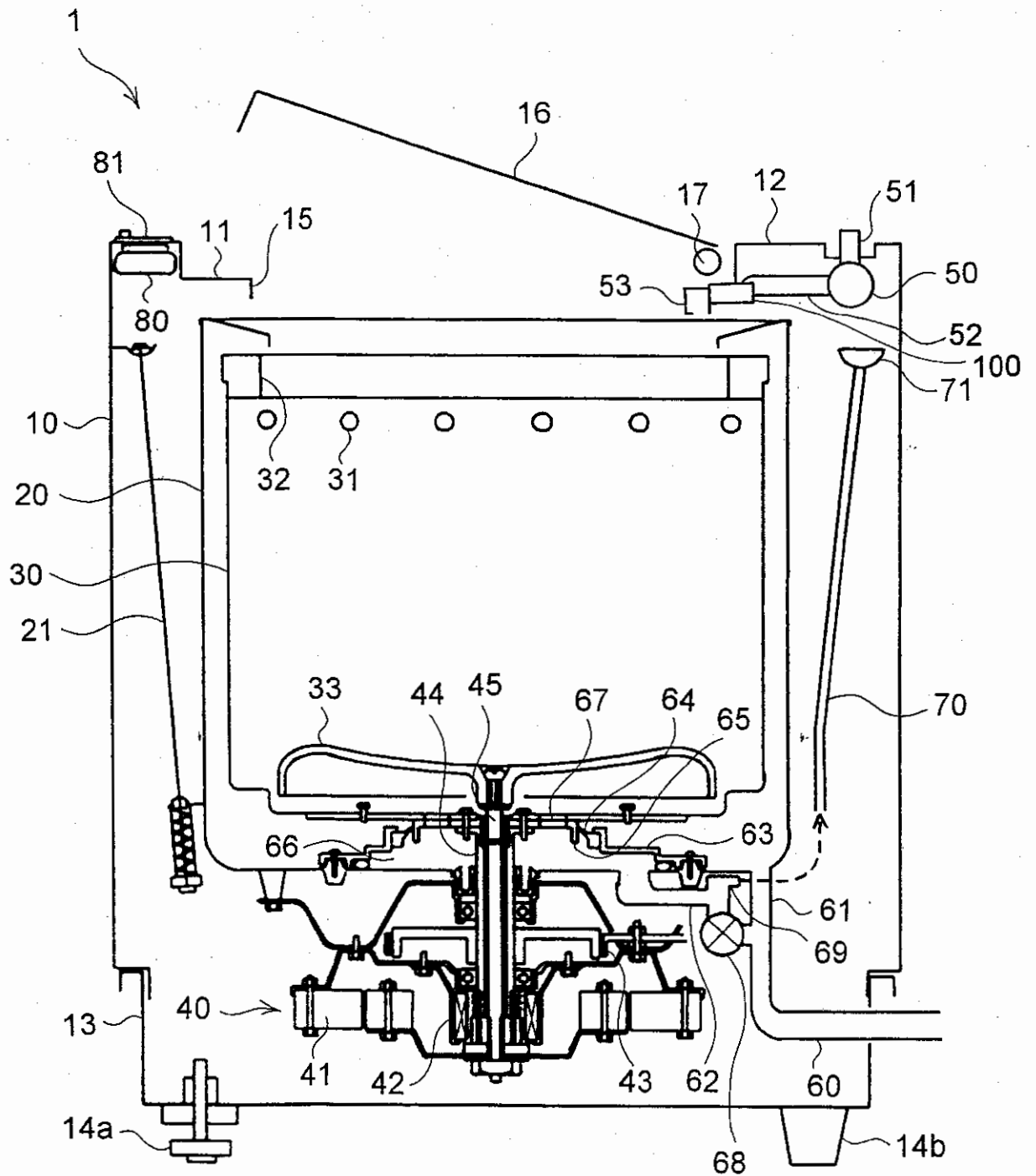


FIG.2

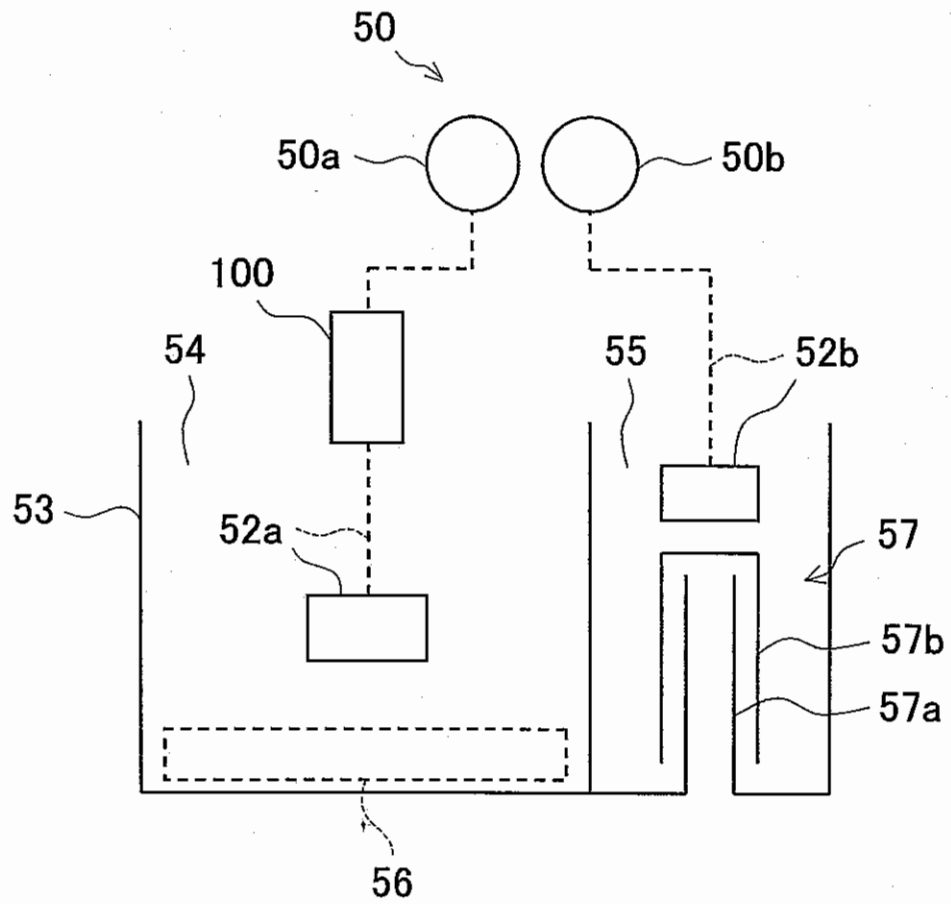


FIG.3

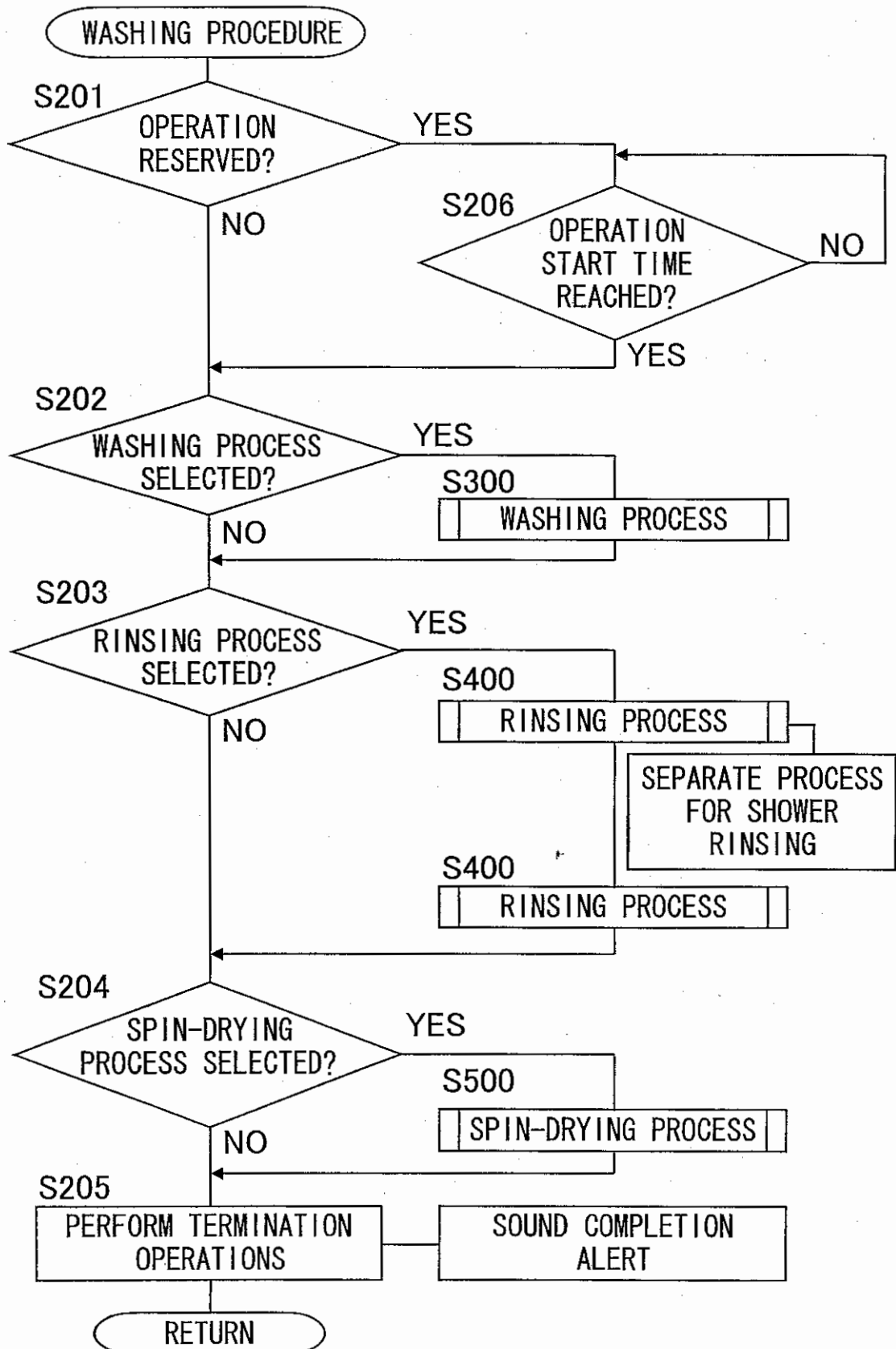


FIG.4

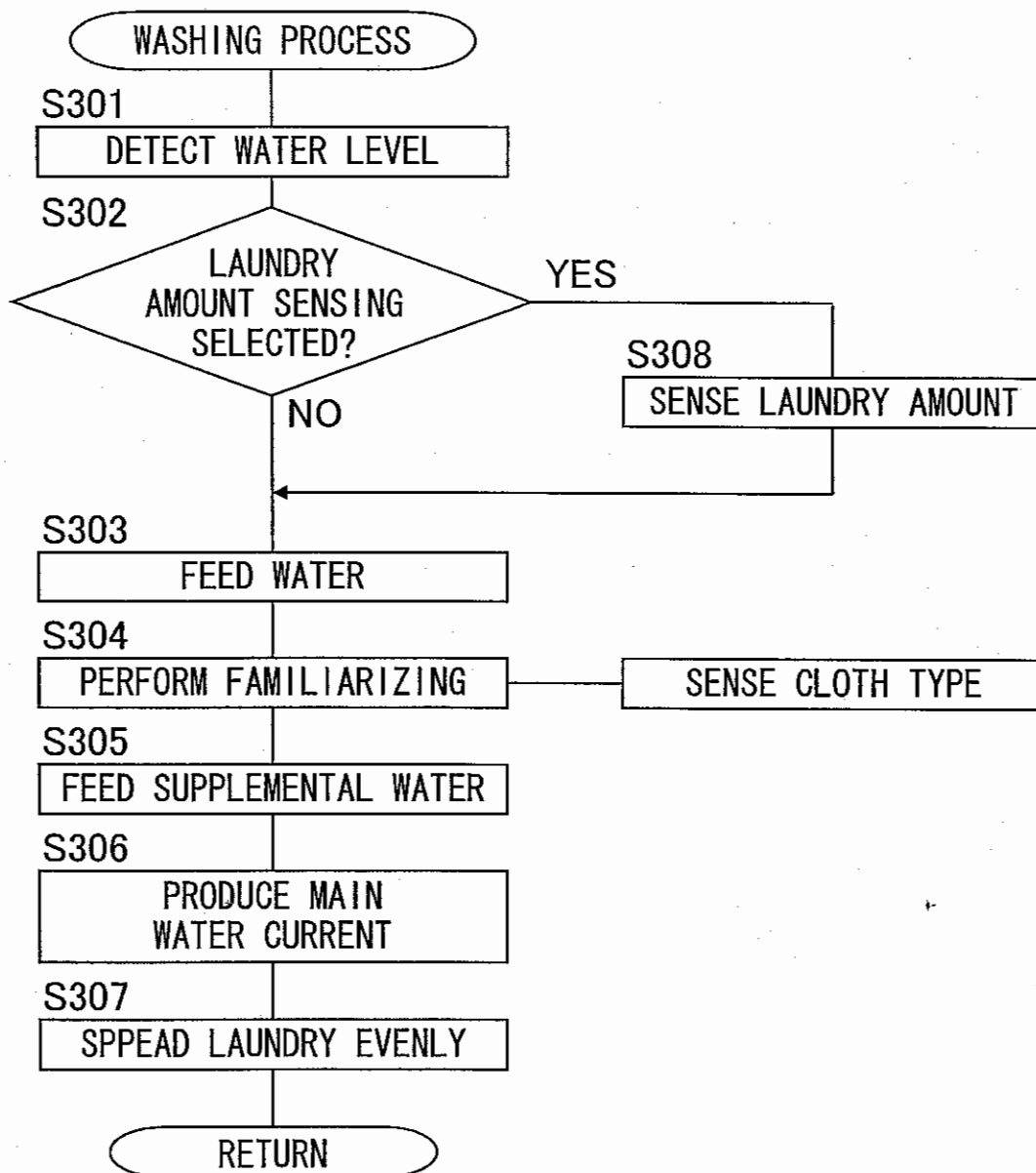


FIG.5

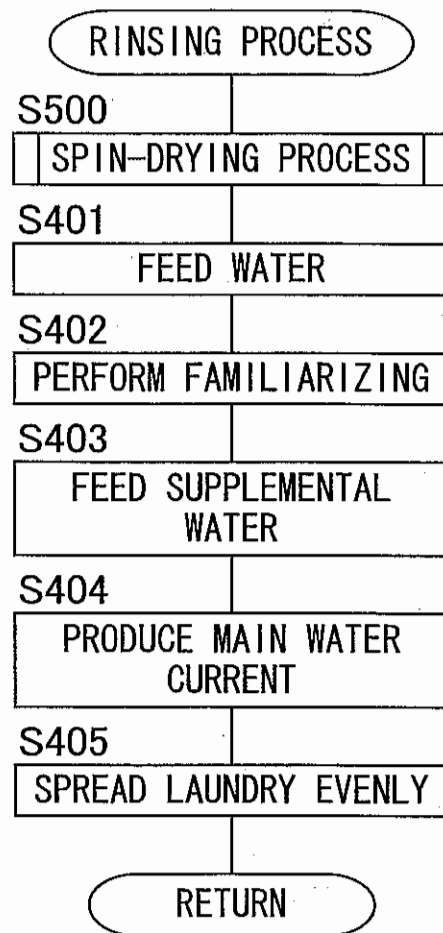


FIG.6

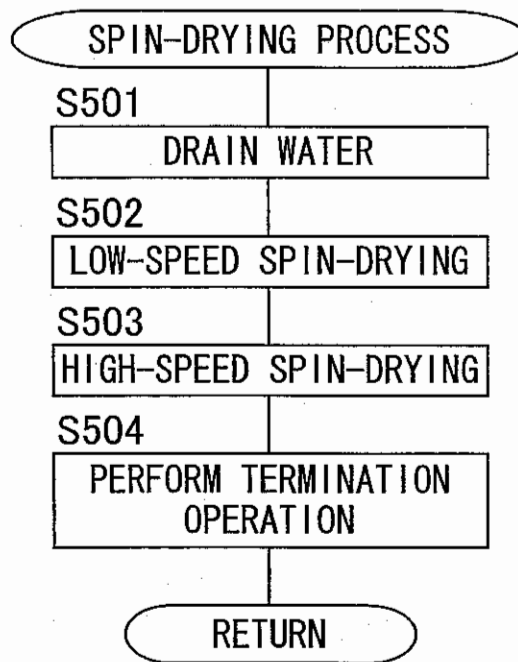


FIG. 7

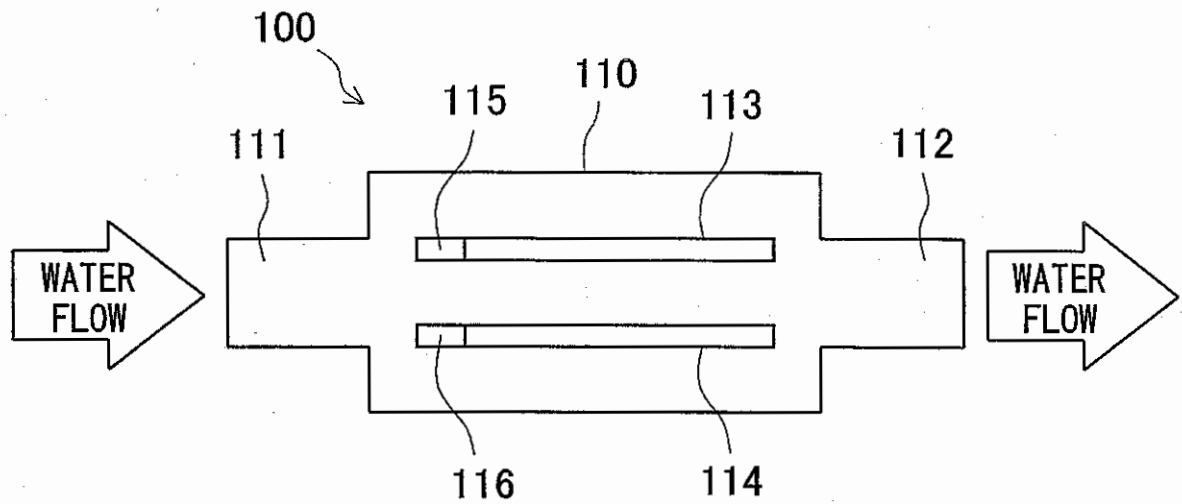
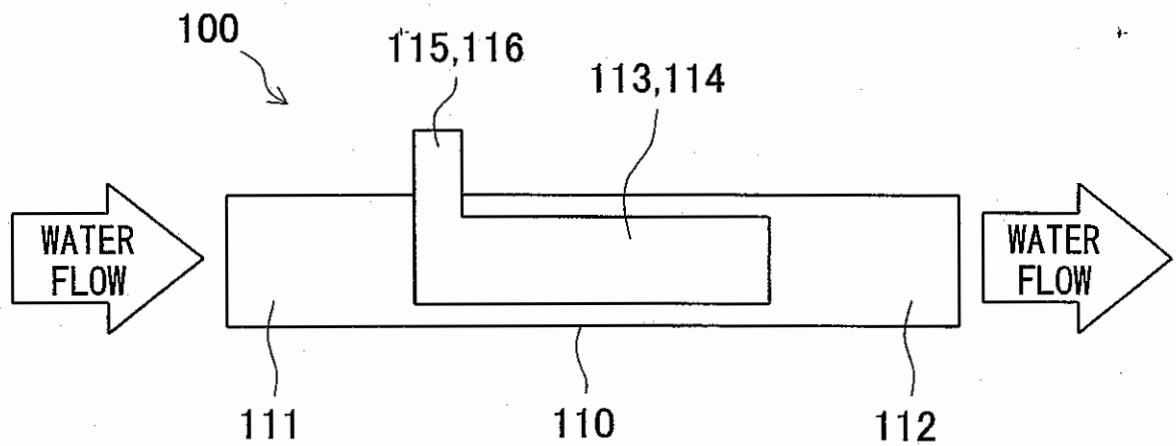


FIG. 8



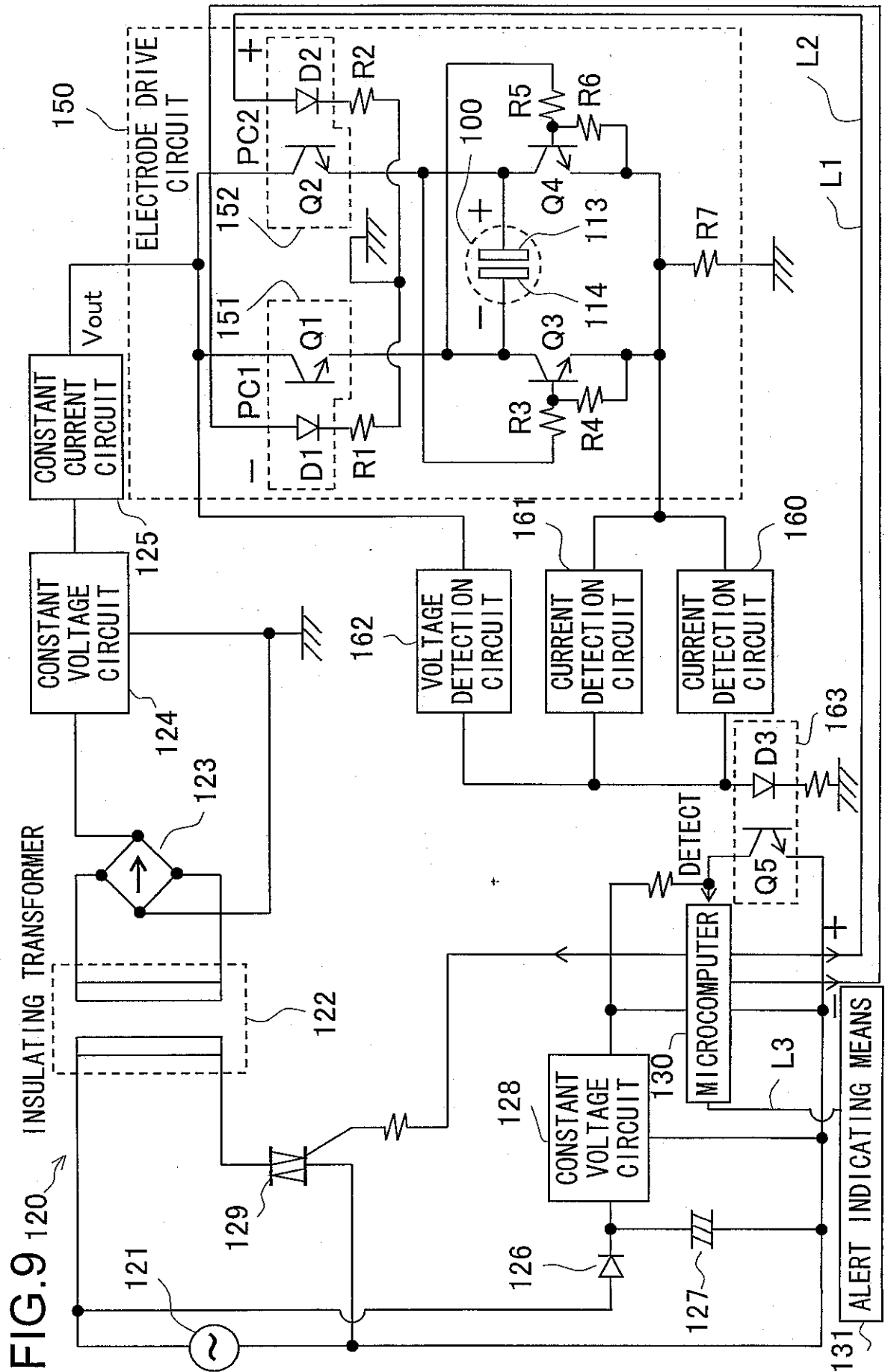


FIG.10

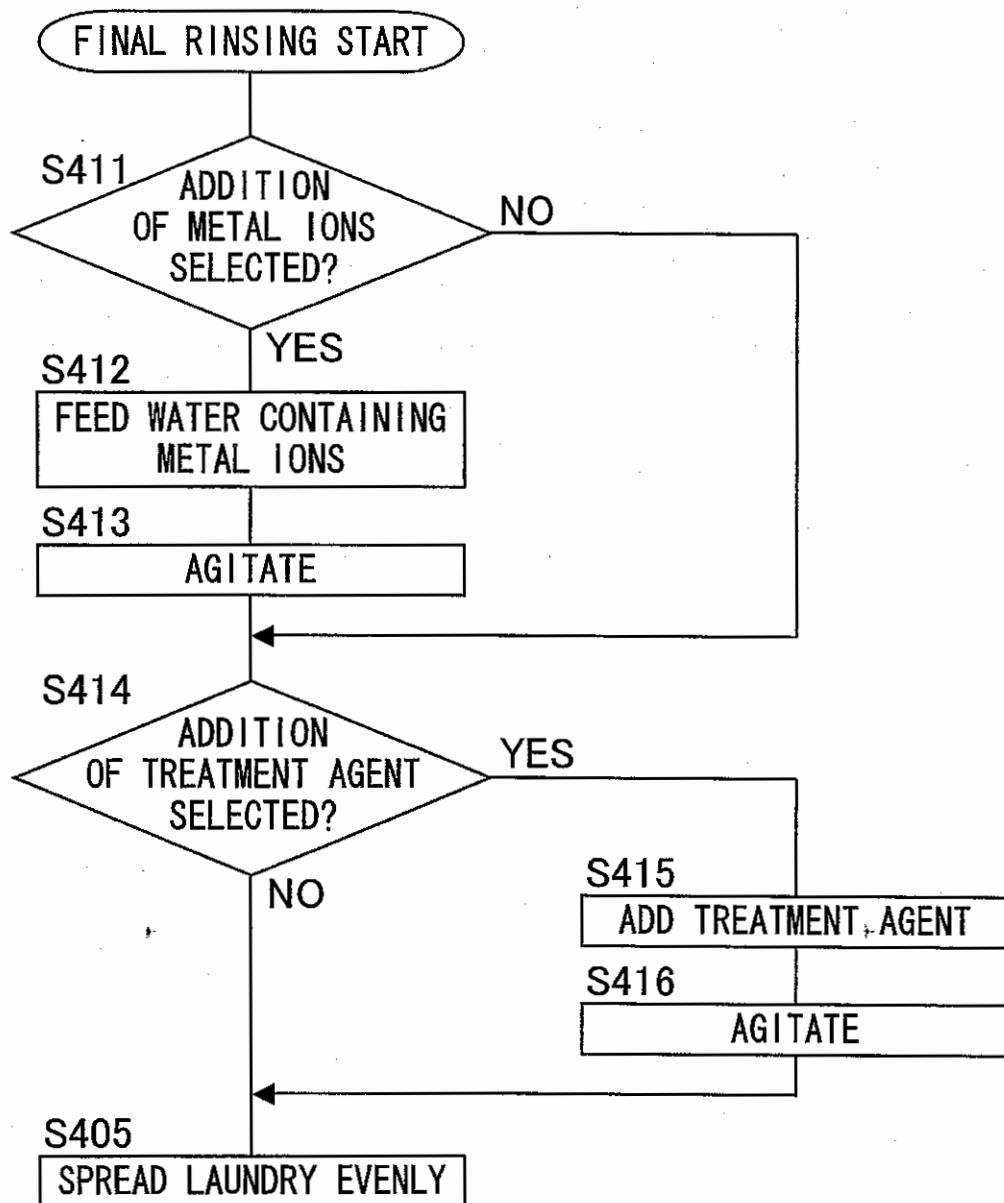


FIG.11

SET AMOUNT OF WATER (L)	CURRENT (mA)	VOLTAGE APPLICATION DURATION (sec)	AMOUNT OF ELECTRIC CHARGE (c)	SILVER ION CONCENTRATION (ppb)
23	29	69	2.0	90
23	45	44	2.0	90
35	29	103	3.0	90
46	29	138	4.0	90
46	45	88	4.0	90

FIG.12

INITIAL NUMBER OF BACTERIA 1.2×10^5				
LOAD (Kg)	SILVER ION CONCENTRATION (ppb)	DURATION OF CONTACT WITH SILVER ION WATER (MIN)	NUMBER OF BACTERIA AFTER 18 HOURS	LOG INCREASE/ DECREASE
8 (RATED)	50	10	2.5×10^6	0.9
8 (RATED)	90	10	2.5×10^4	2.9
1	50	10	3.3×10^4	2.8
	STANDARD CLOTH		1.9×10^7	

FIG.13

DIP DURATION (MIN)	ANTIMICROBIAL EFFICACY VALUE	QUANTITY OF SILVER DEPOSITED
5	2.6	0.12
10	3.2	0.14
15	3.7	0.12

FIG.14

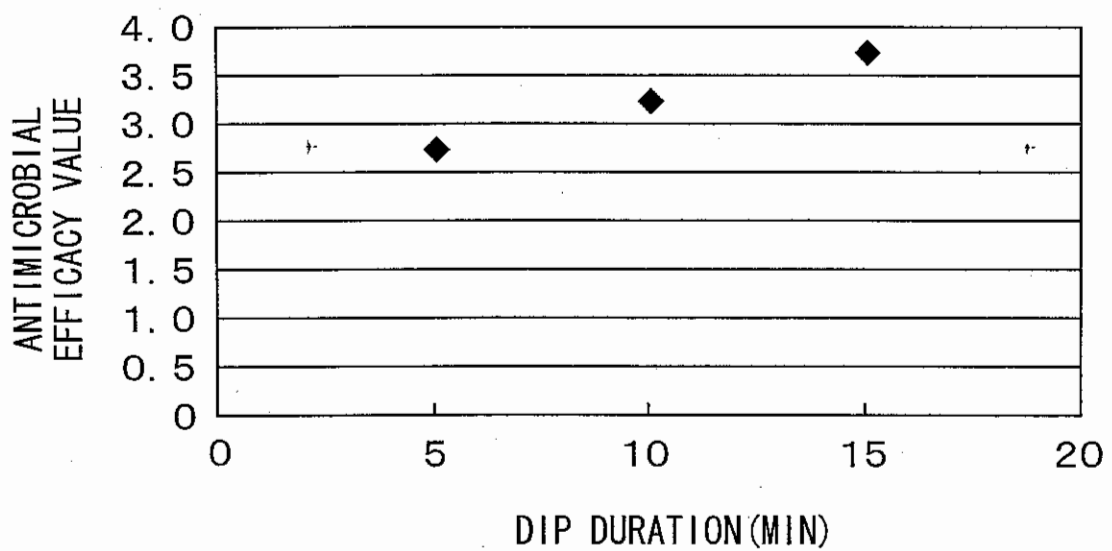


FIG.15

