

FIG. 1

RECYCLING PROCESS

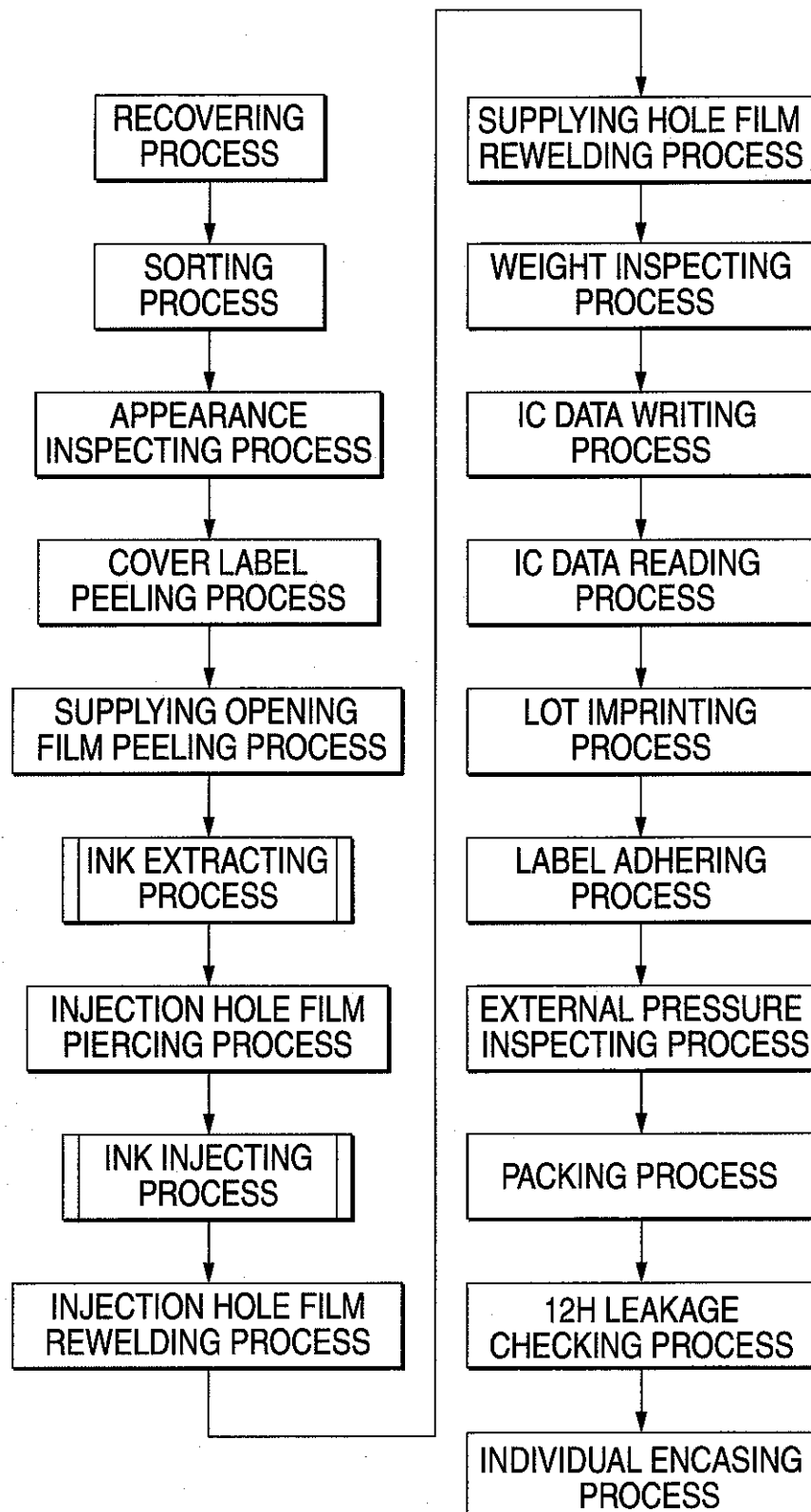
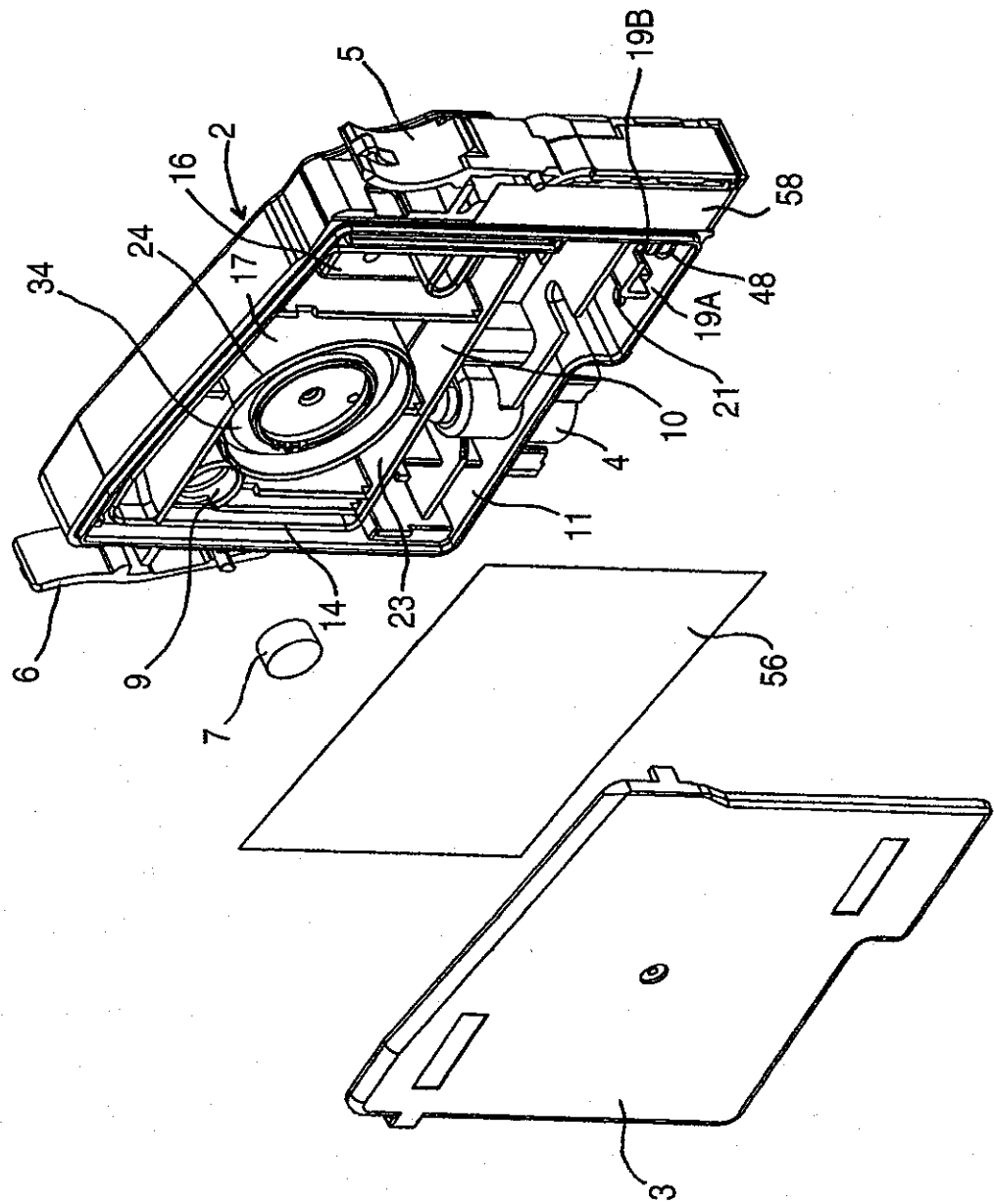


FIG. 2



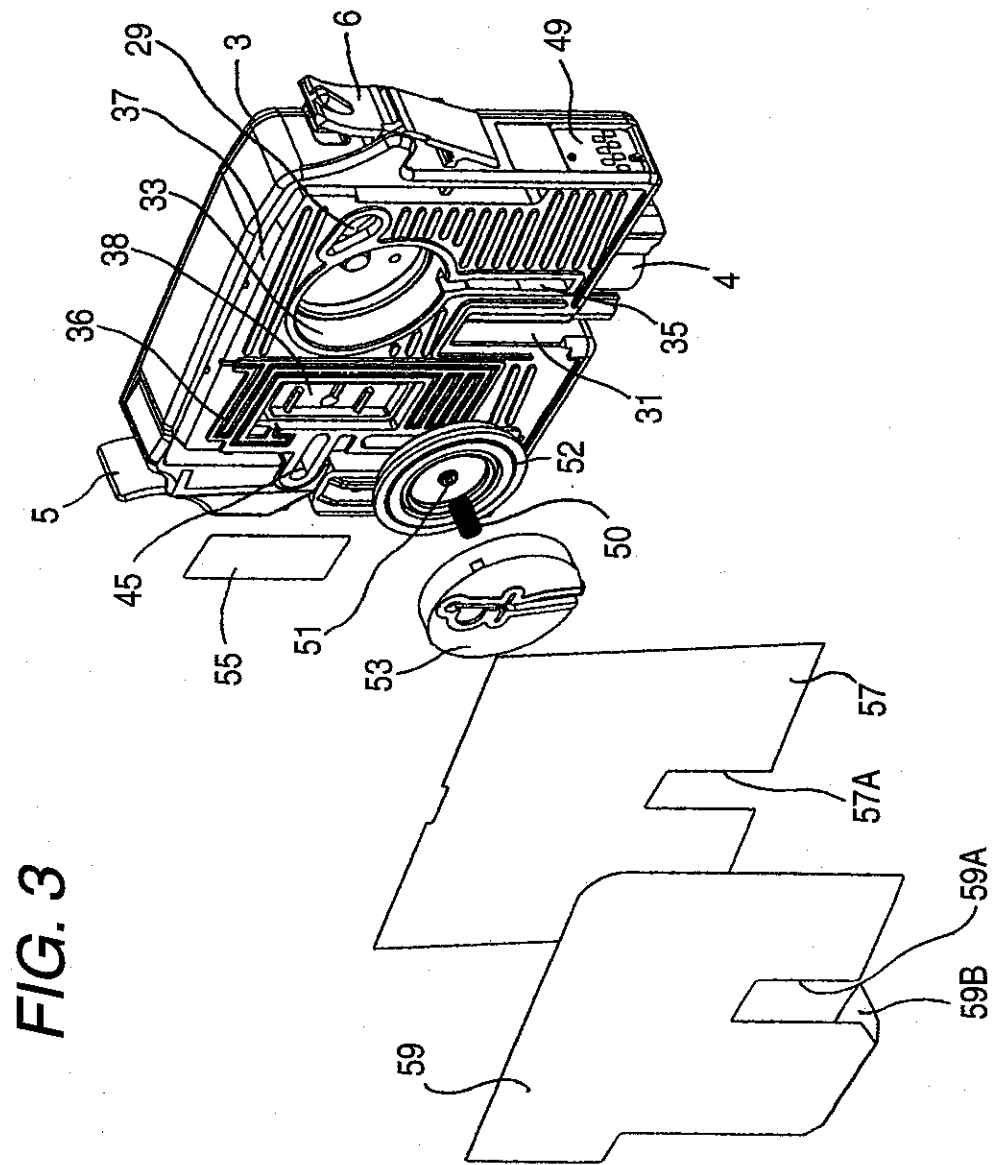


FIG. 4

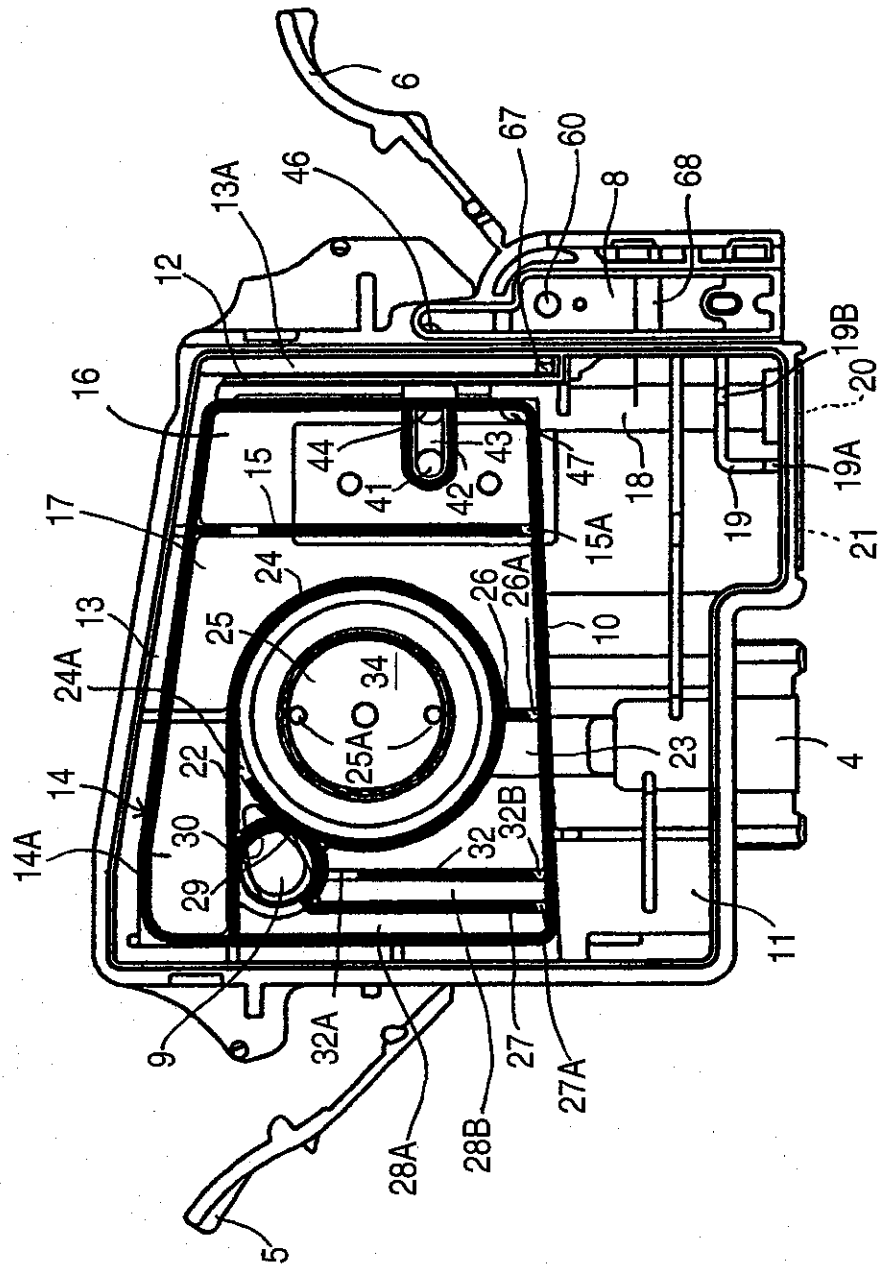


FIG. 5

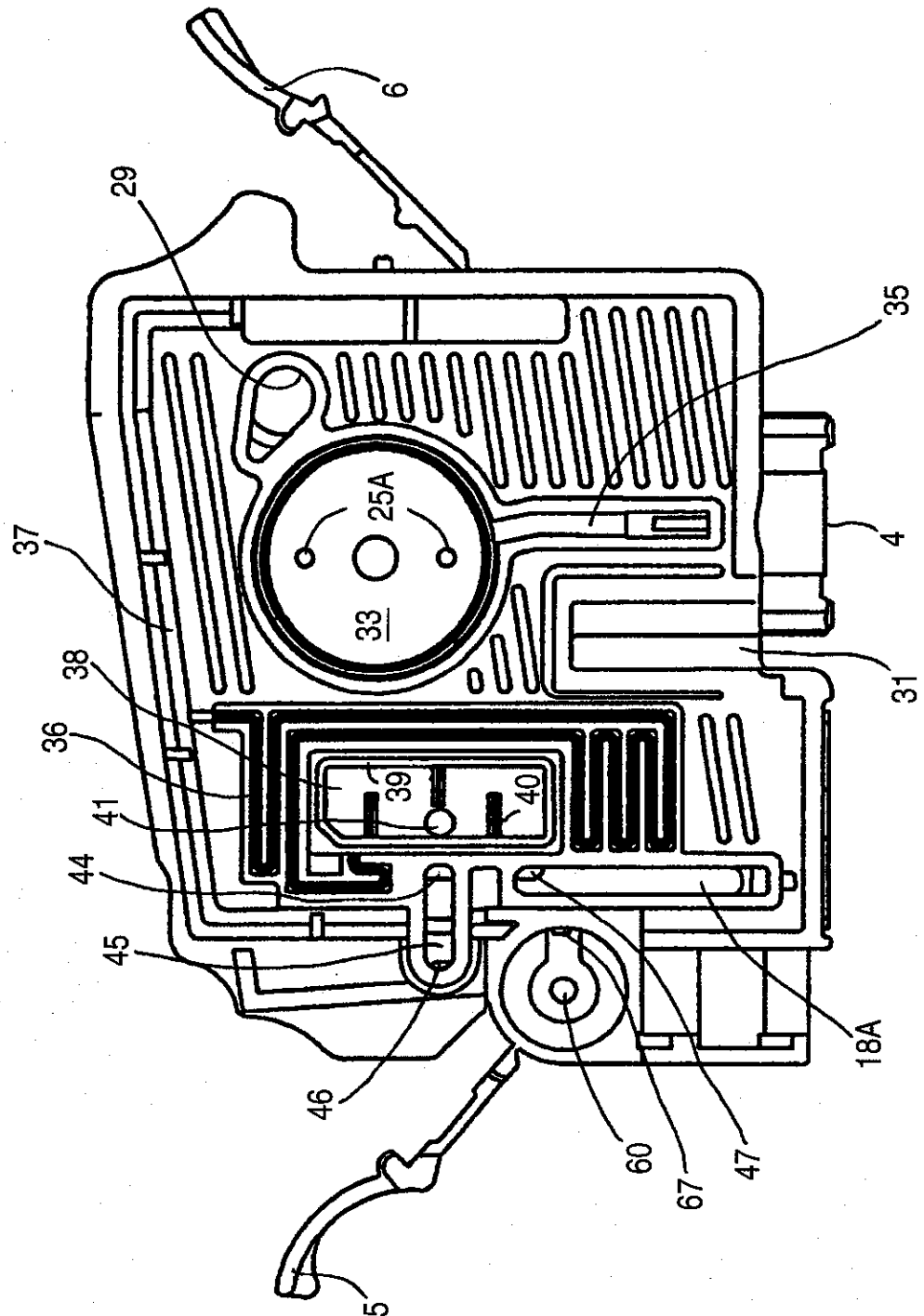


FIG. 6

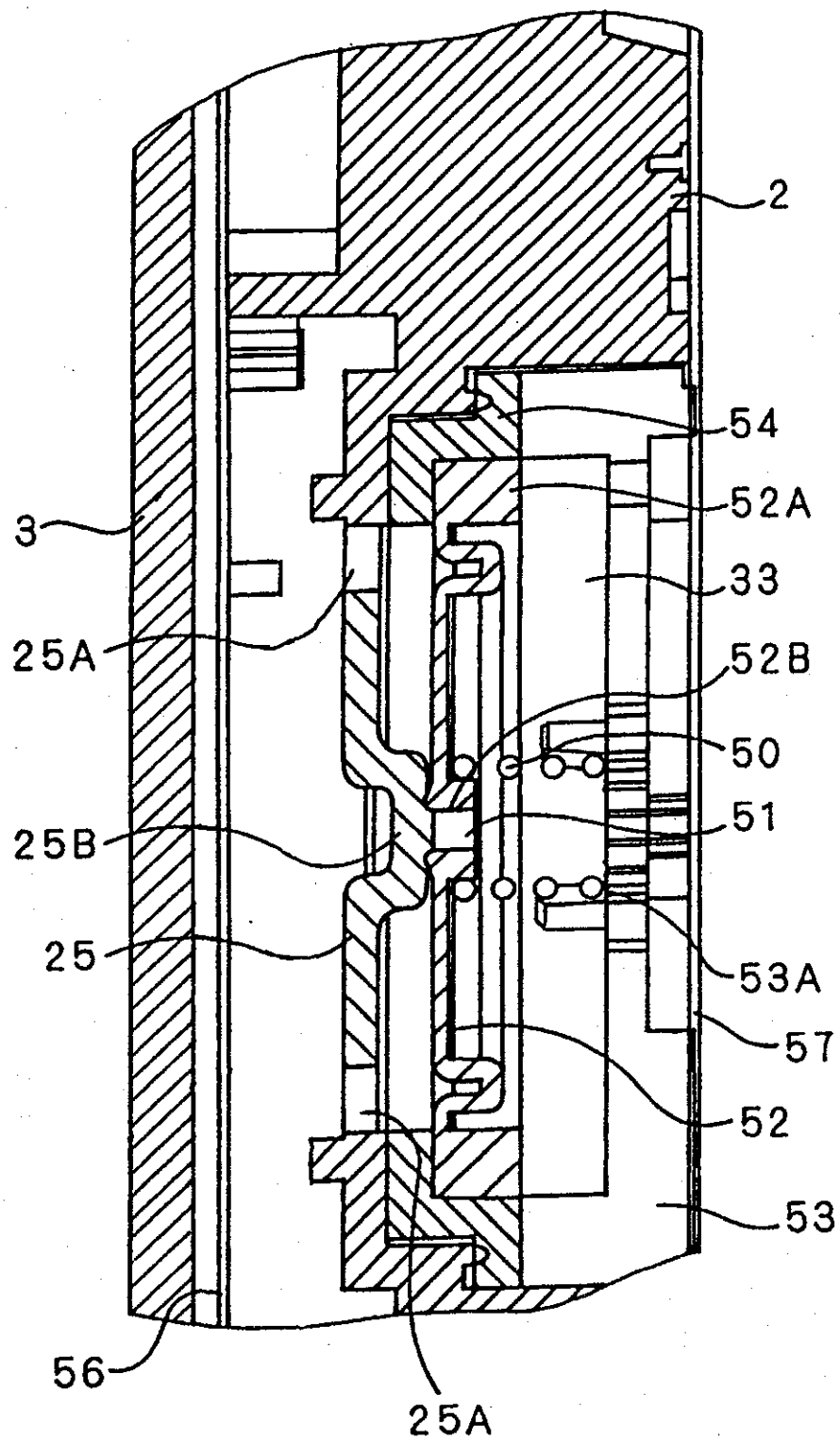


FIG. 7

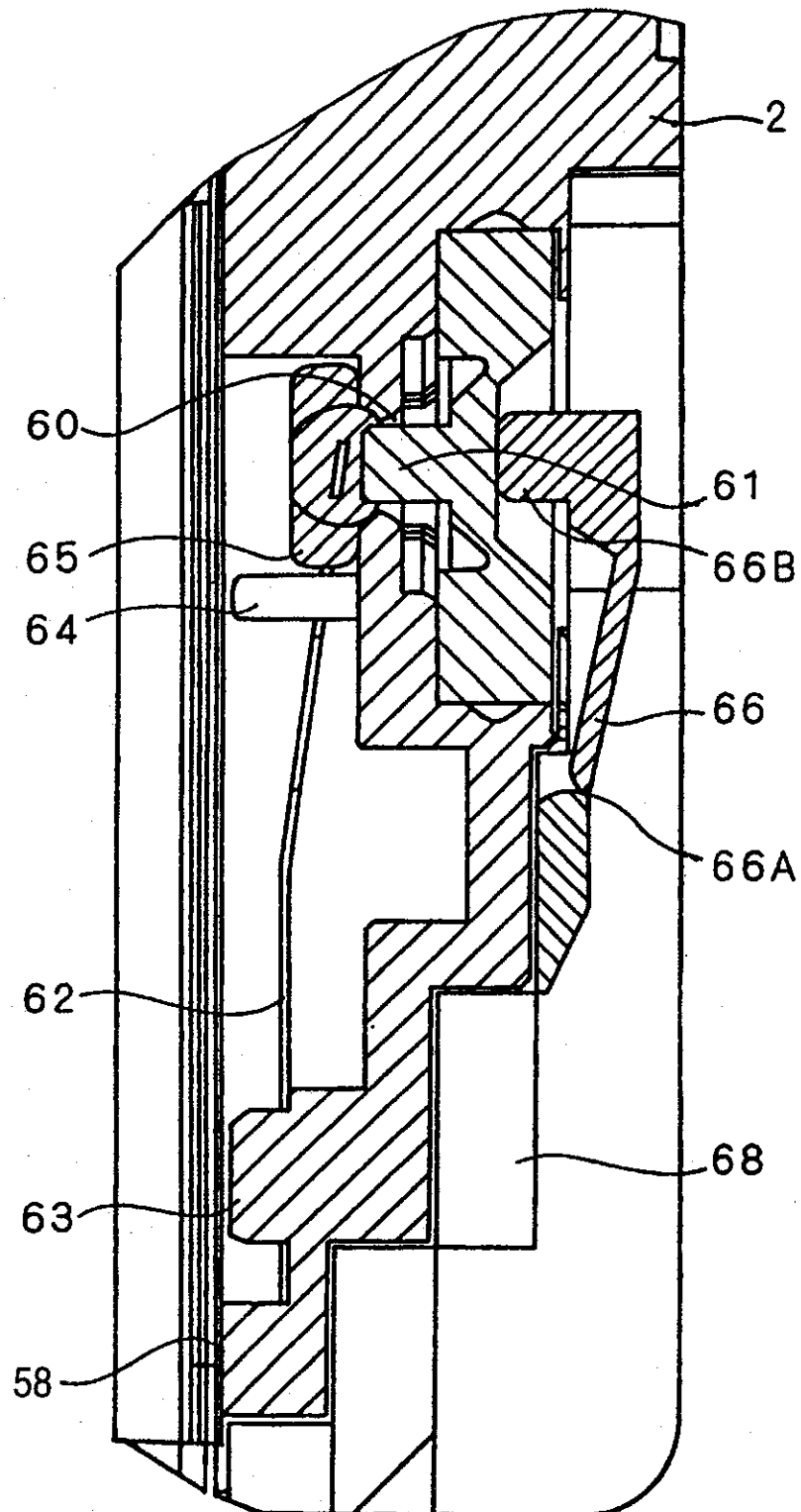


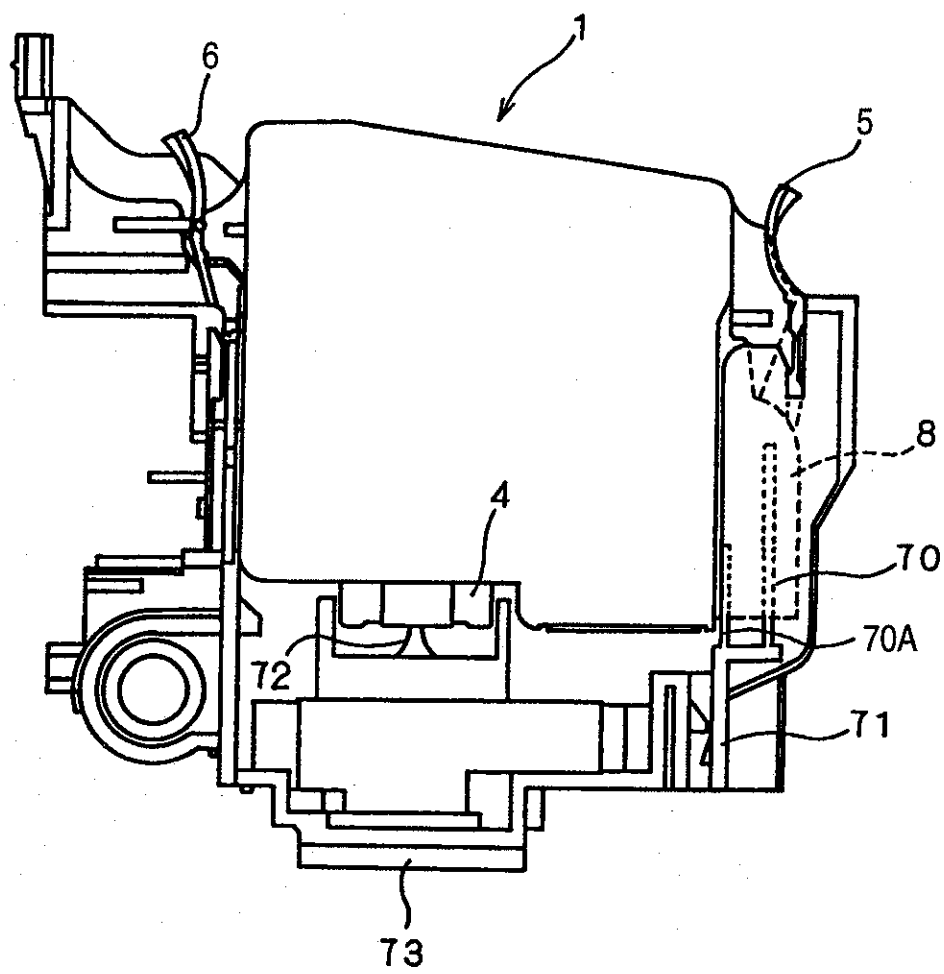
FIG. 8

FIG. 9 (A)

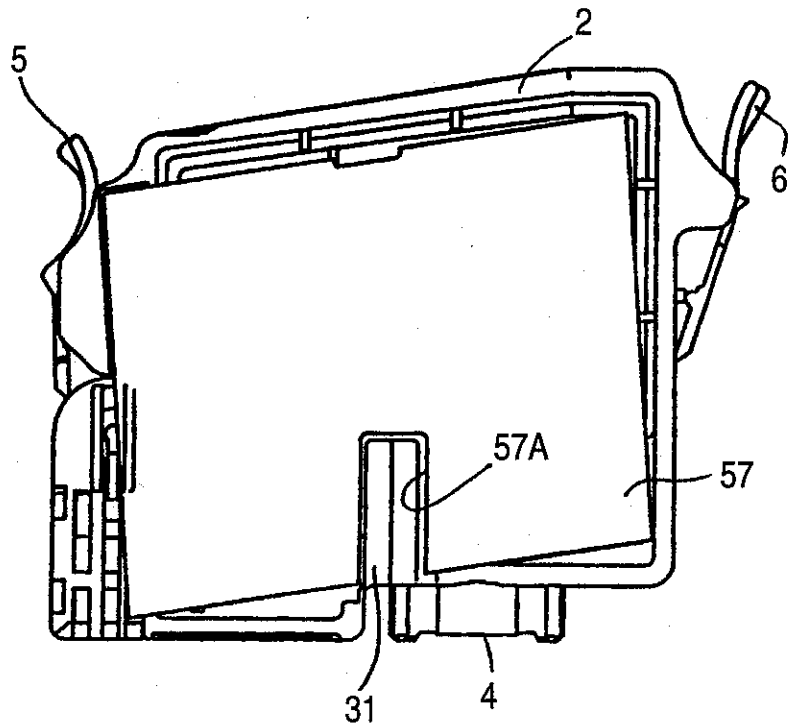


FIG. 9 (B)

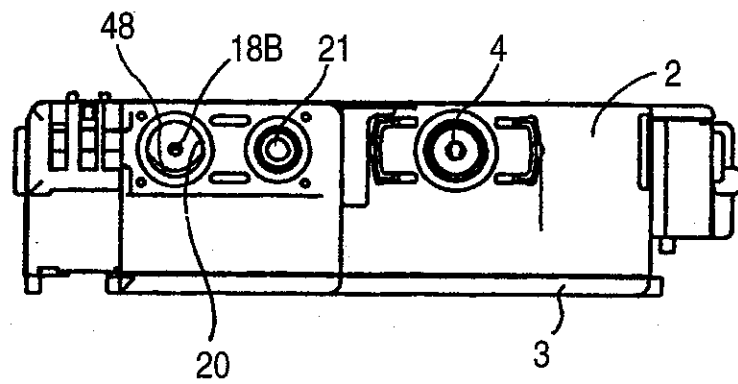


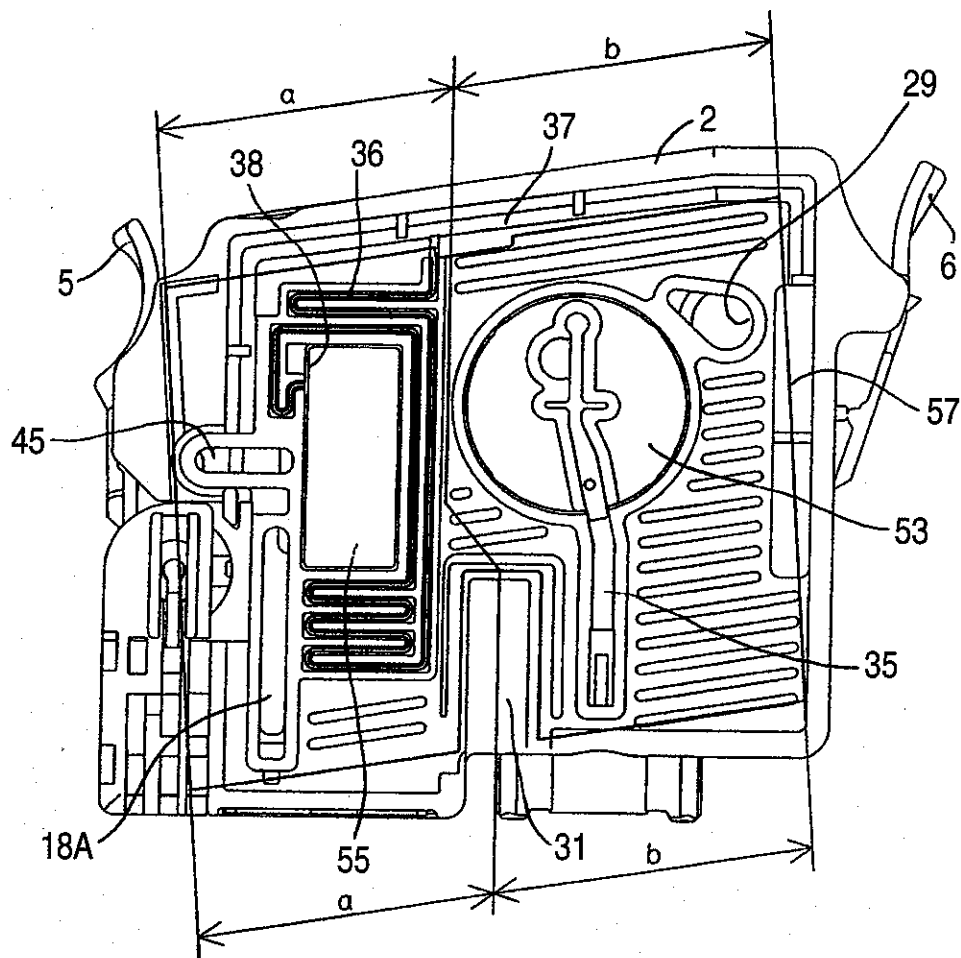
FIG. 10

FIG. 11 (A)

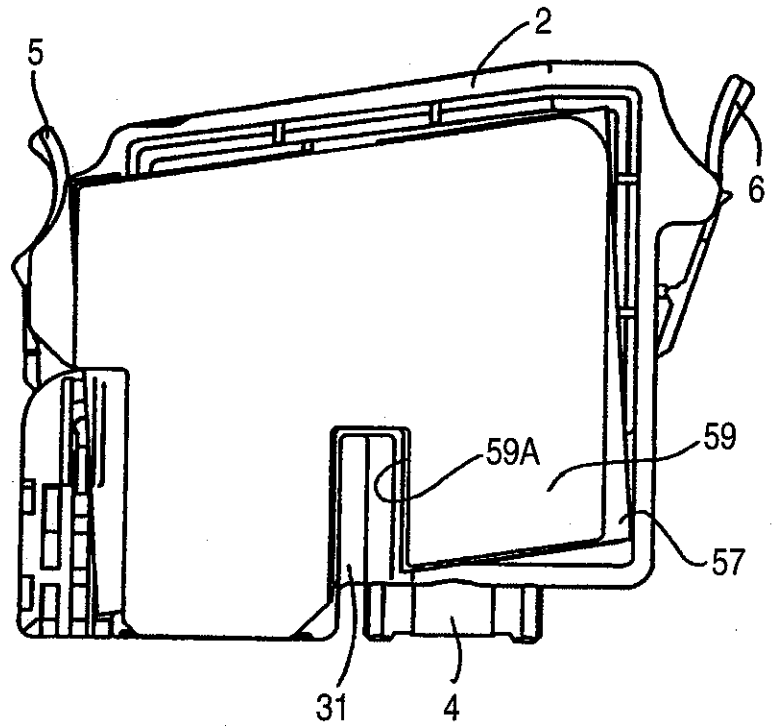


FIG. 11 (B)

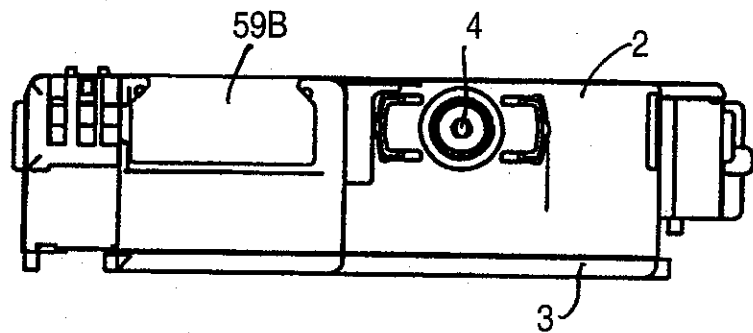


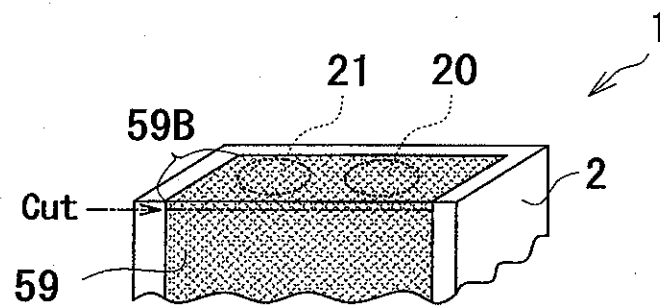
FIG. 12

FIG. 13

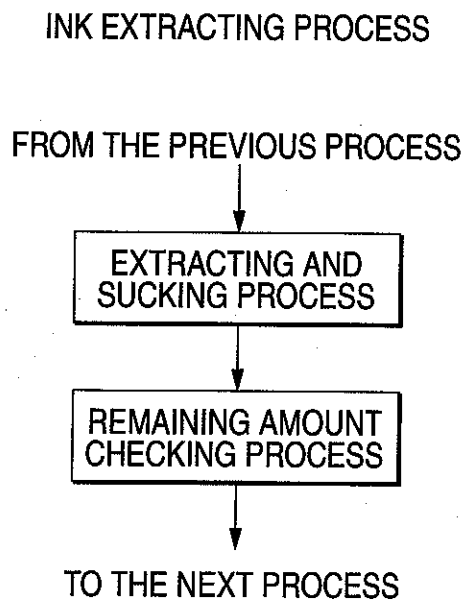


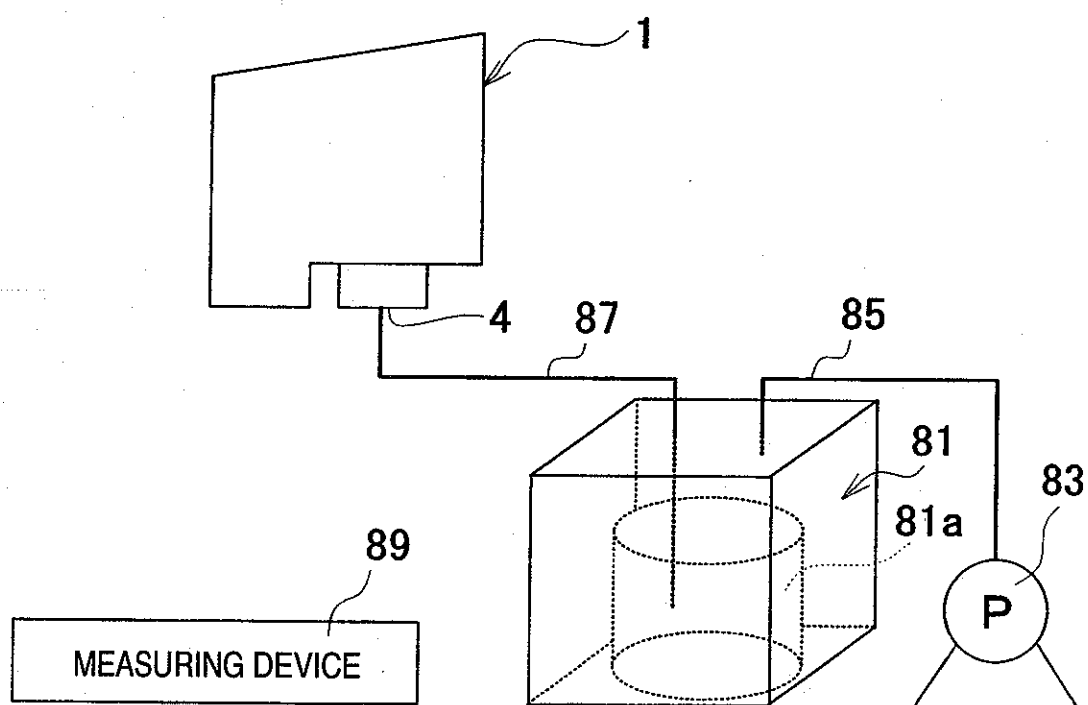
FIG. 14**INK EXTRACTING PROCESS**

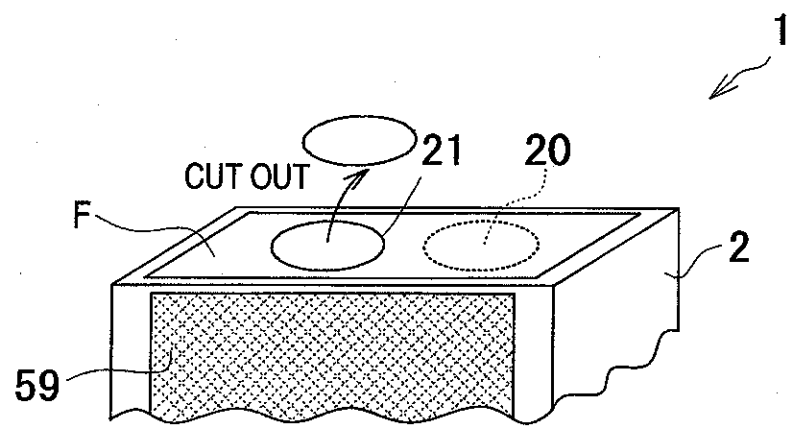
FIG. 15

FIG. 16

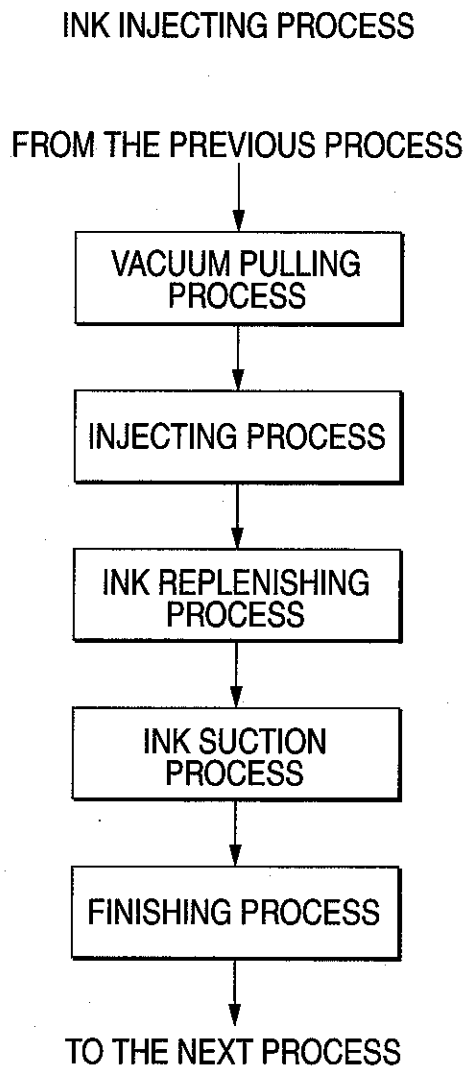
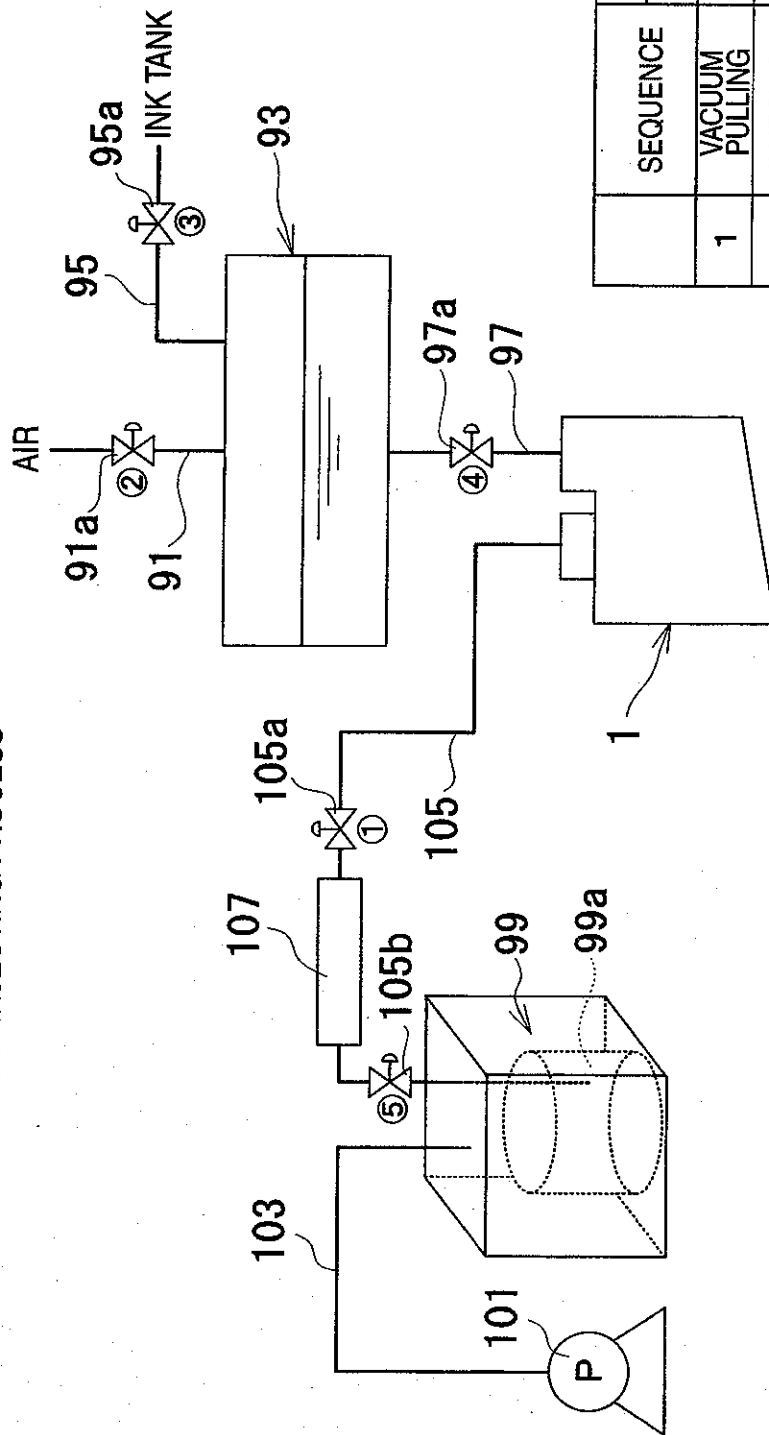


FIG. 17

INK INJECTING PROCESS



	SEQUENCE	VALVE STATE				
		①	②	③	④	⑤
1	VACUUM PULLING	O	S	S	S	O
2	INJECTION	S	O	S	O	S
3	INK REPLENISHMENT	S	O	O	S	S
4	INK SUCTION	S	S	S	S	O
5	FINISH	S	S	S	S	S

O: open
S: shut

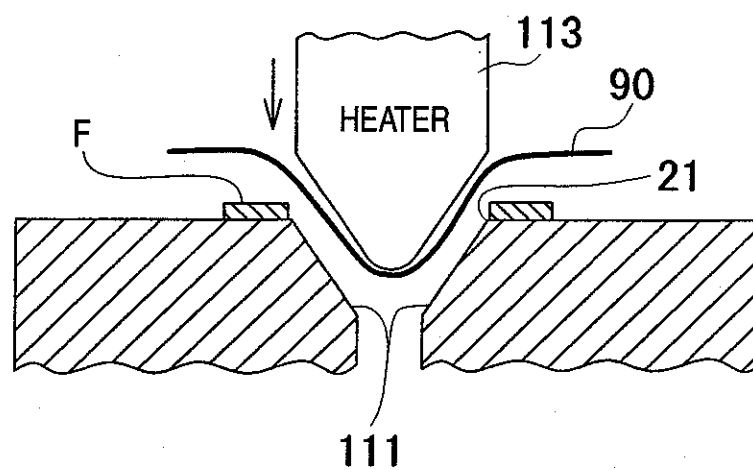
FIG. 18**INJECTION HOLE FILM WELDING PROCESS**

FIG. 19 (a)

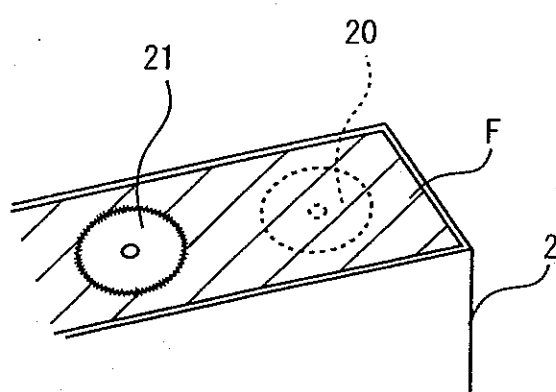


FIG. 19 (b)

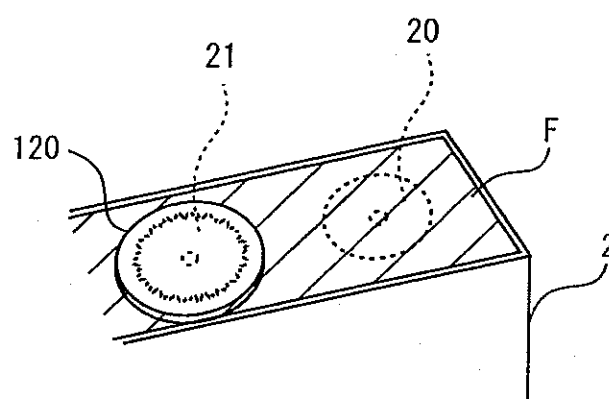


FIG. 20