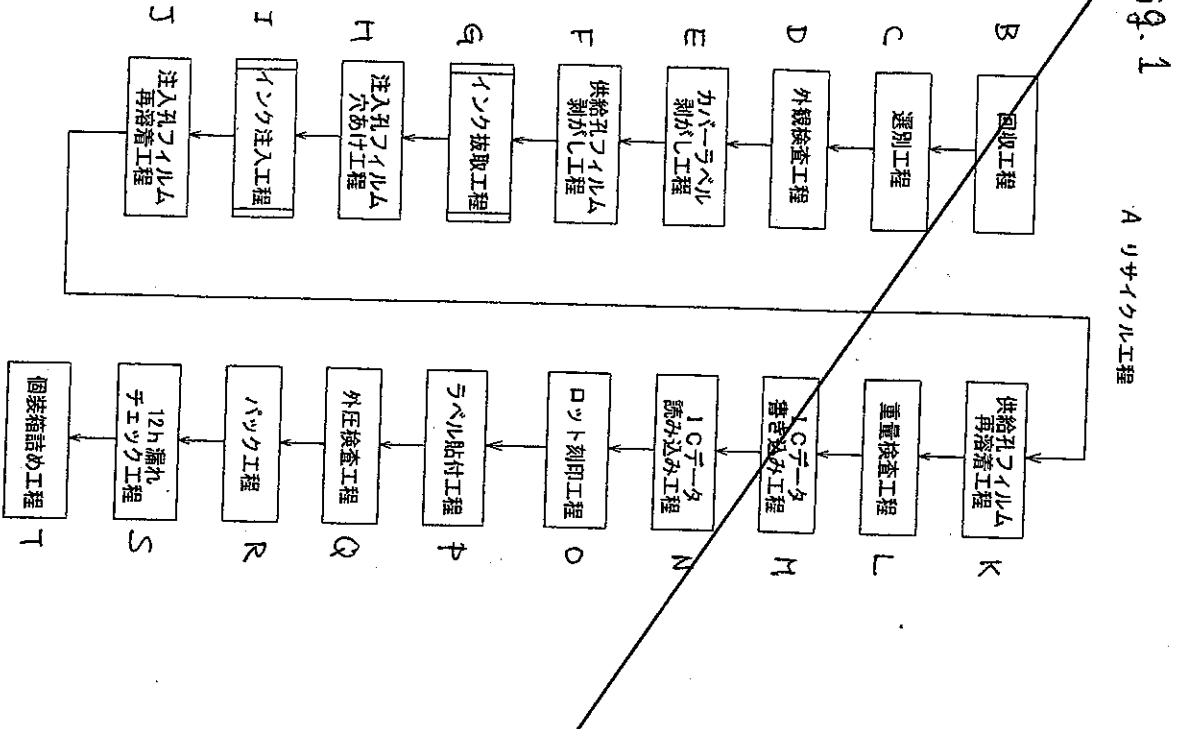


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[FIG. 1]

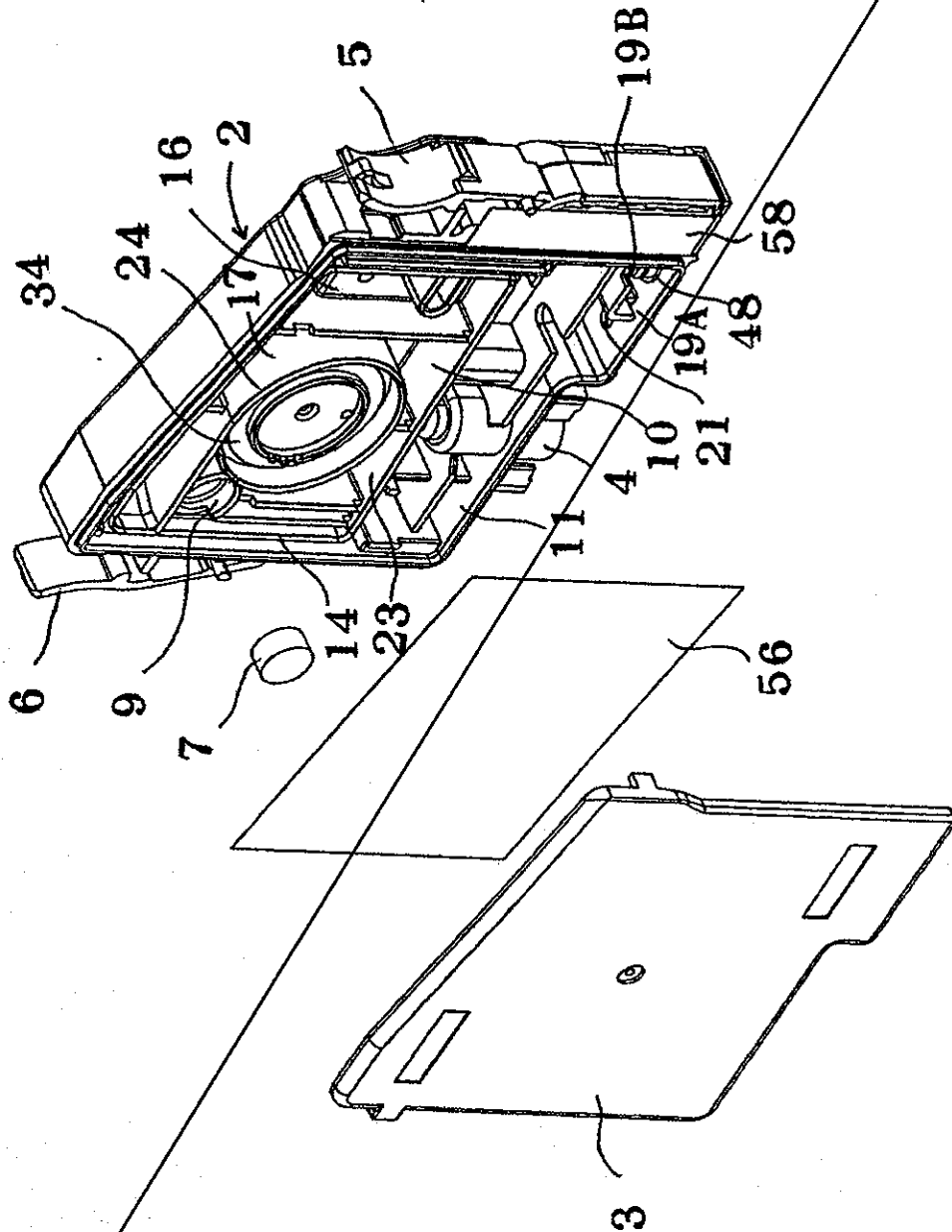
- A: RECYCLING PROCESS
 B: RECOVERING PROCESS
 C: SORTING PROCESS
 D: APPEARANCE INSPECTING PROCESS
 E: COVER LABEL PELLING PROCESS
 F: SUPPLYING OPENING FILM PELLING PROCESS
 G: INK EXTRACTING PROCESS
 H: INJECTION HOLE FILM PIERCING PROCESS
 I: INK INJECTING PROCESS
 J: INJECTION HOLE FILM REMELDING PROCESS
 K: SUPPLYING HOLE FILM REMELDING PROCESS
 L: WEIGHT INSPECTING PROCESS
 M: IC DATA WRITING PROCESS
 N: IC DATA READING PROCESS
 O: LOT IMPRINTING PROCESS
 P: LABEL ADHERING PROCESS
 Q: EXTERNAL PRESSURE INSPECTING PROCESS
 R: PACKING PROCESS
 S: 12H LEAKAGE CHECKING PROCESS
 T: INDIVIDUAL ENCASING PROCESS

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[図2]

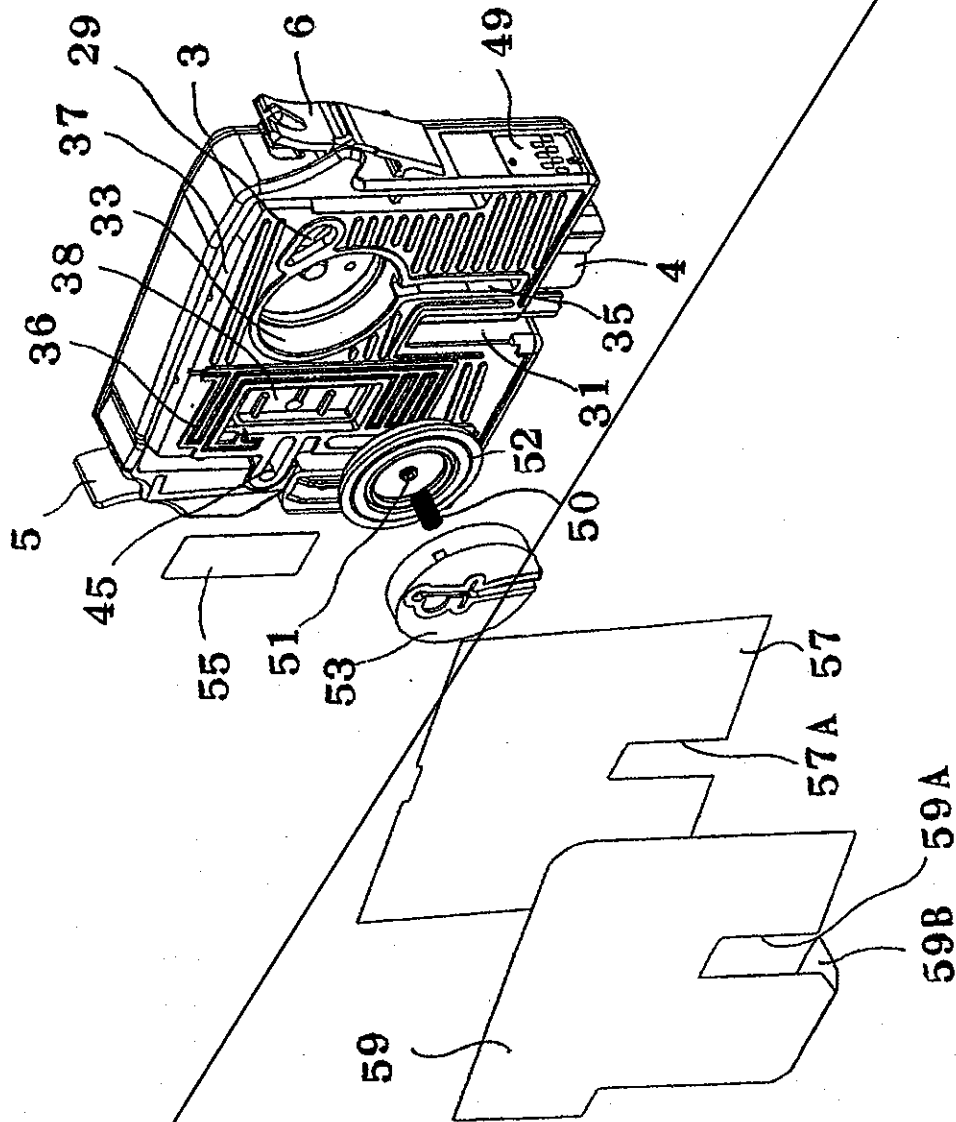
Fig. 2



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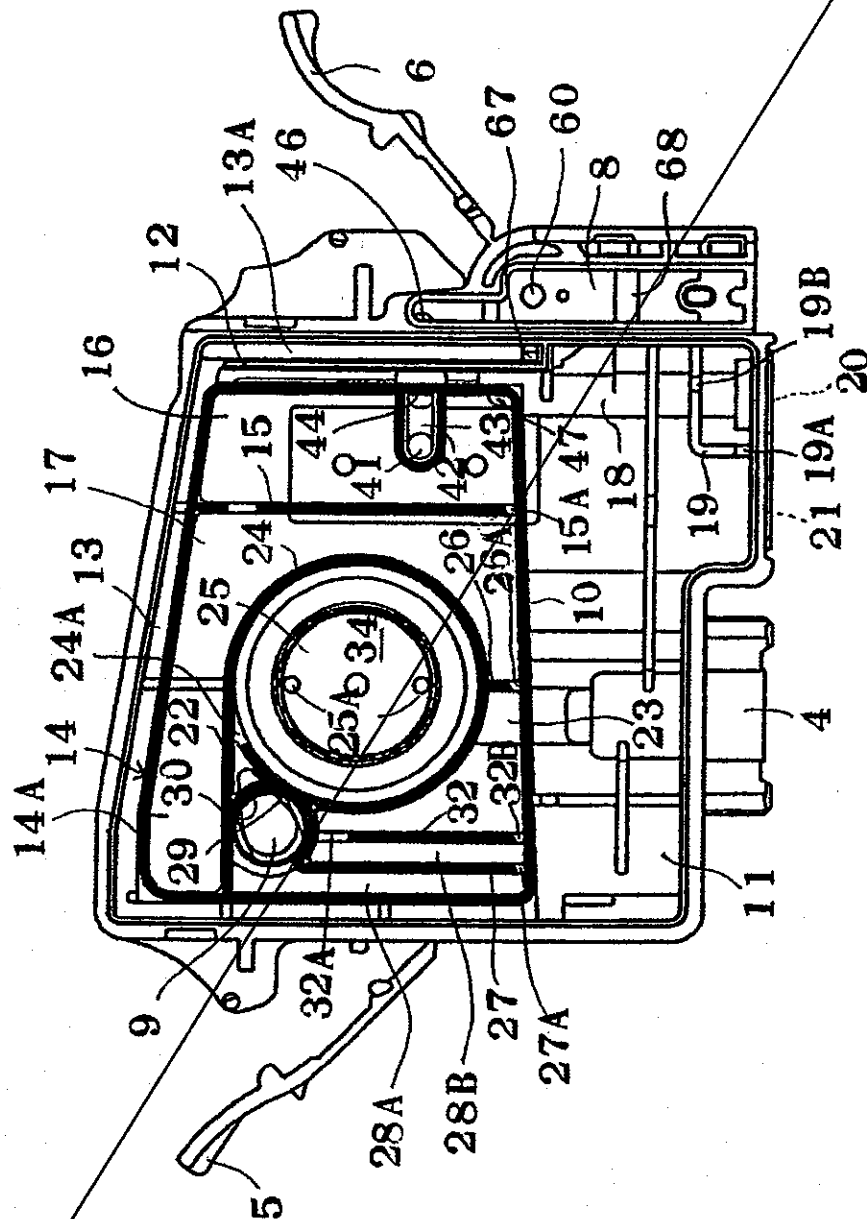
【図3】 Fig. 3



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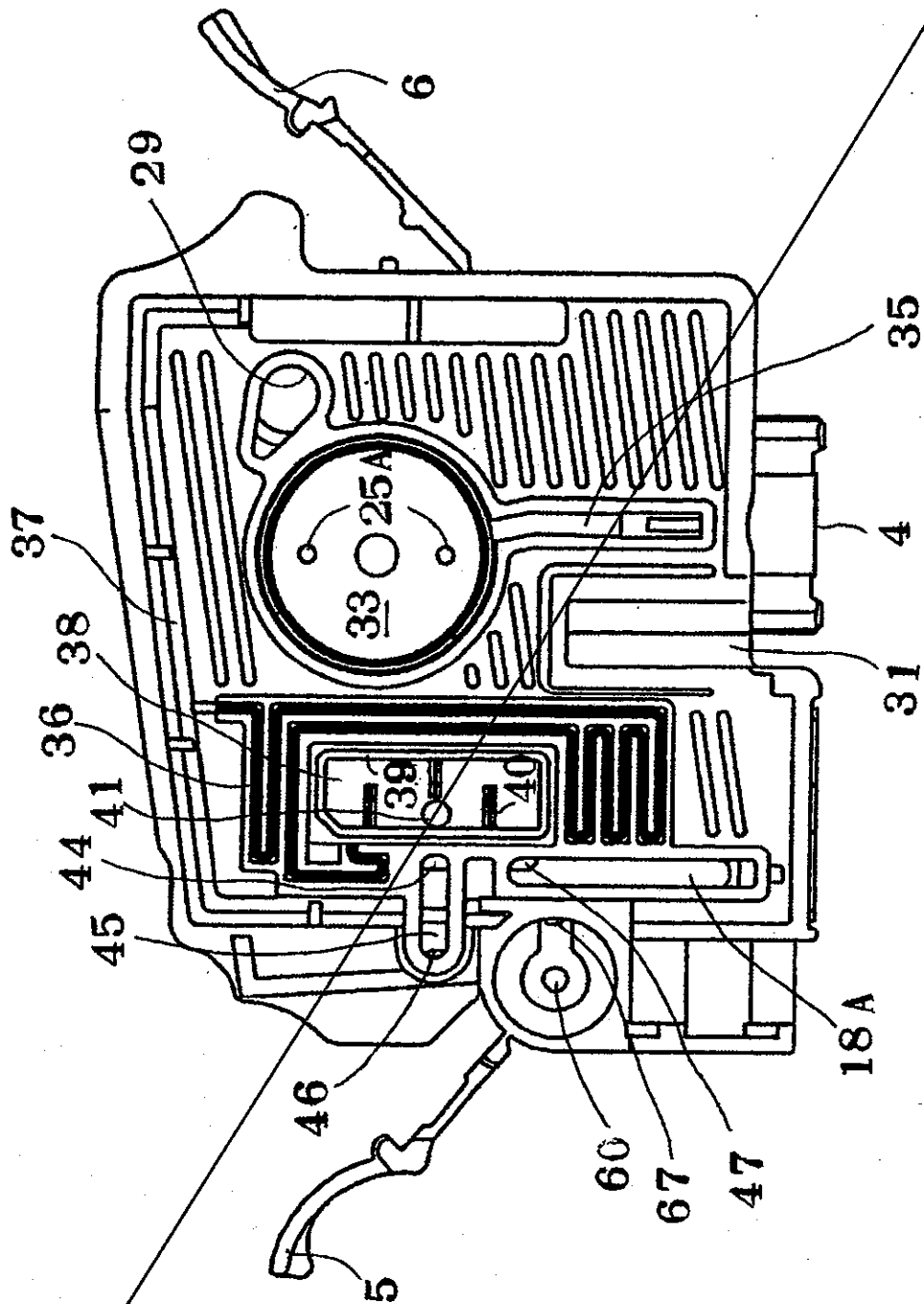
[図4] Fig. 4

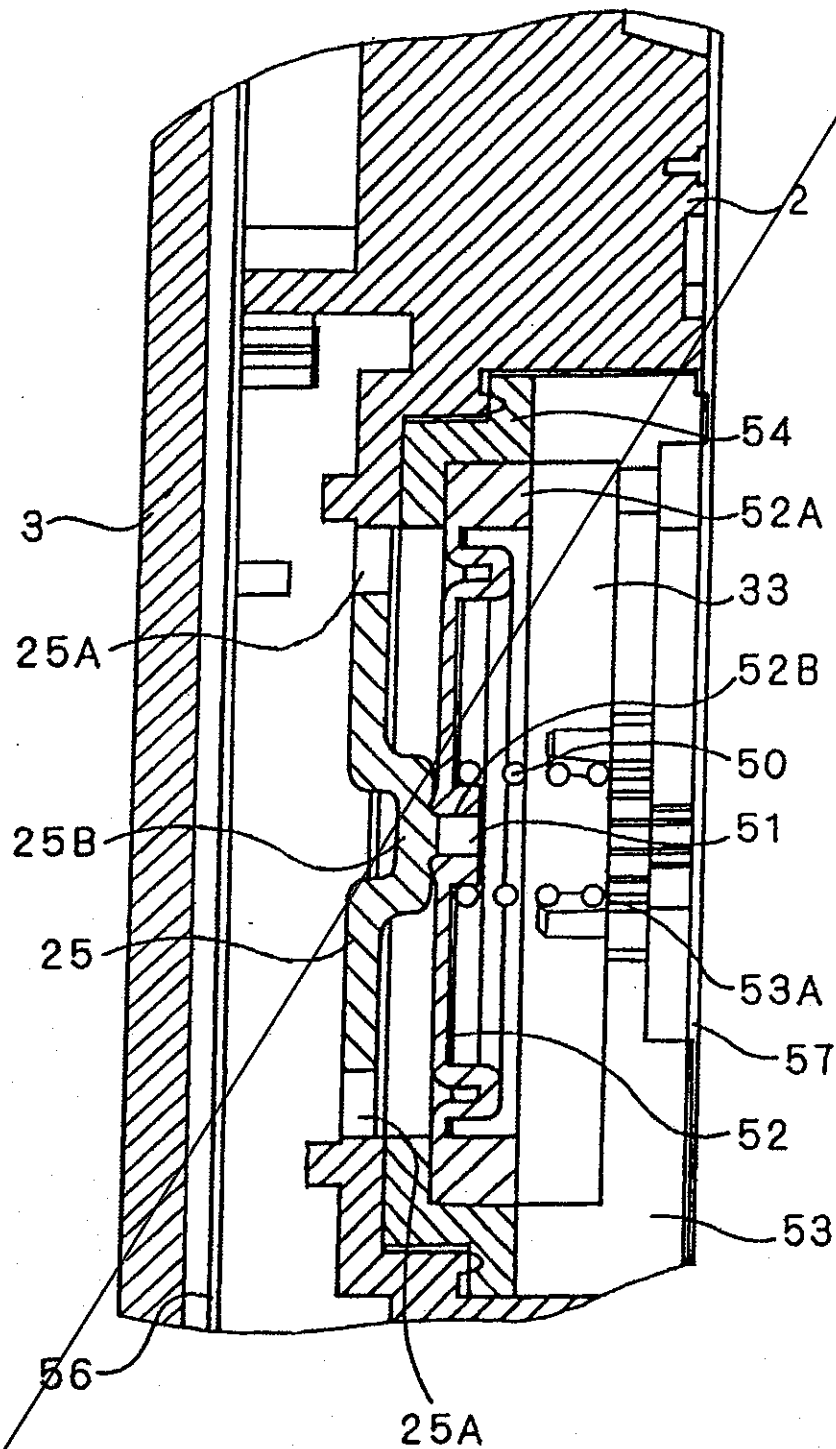


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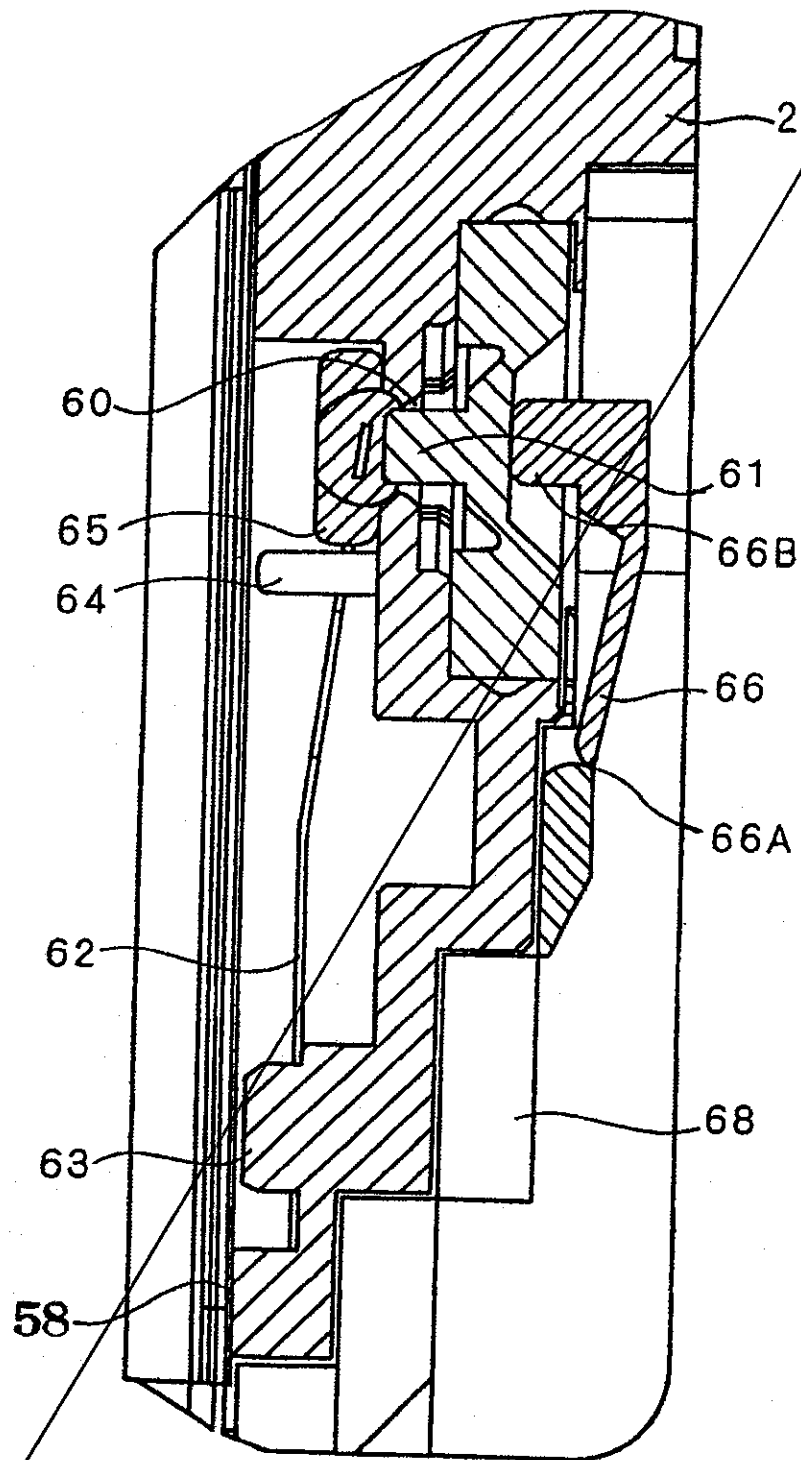
[図5] Fig. 5





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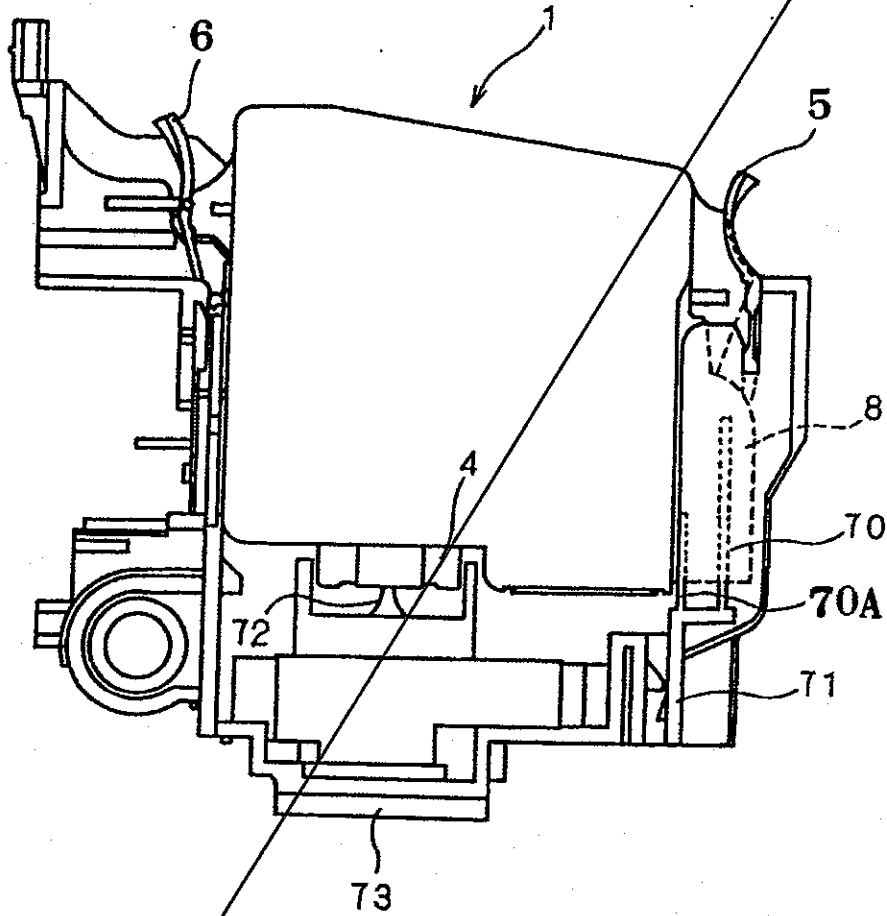
整理番号: J011393401 特願2004-343429 (Proof) 提出日: 平成16年11月29日

~~図7~~ Fig. 7

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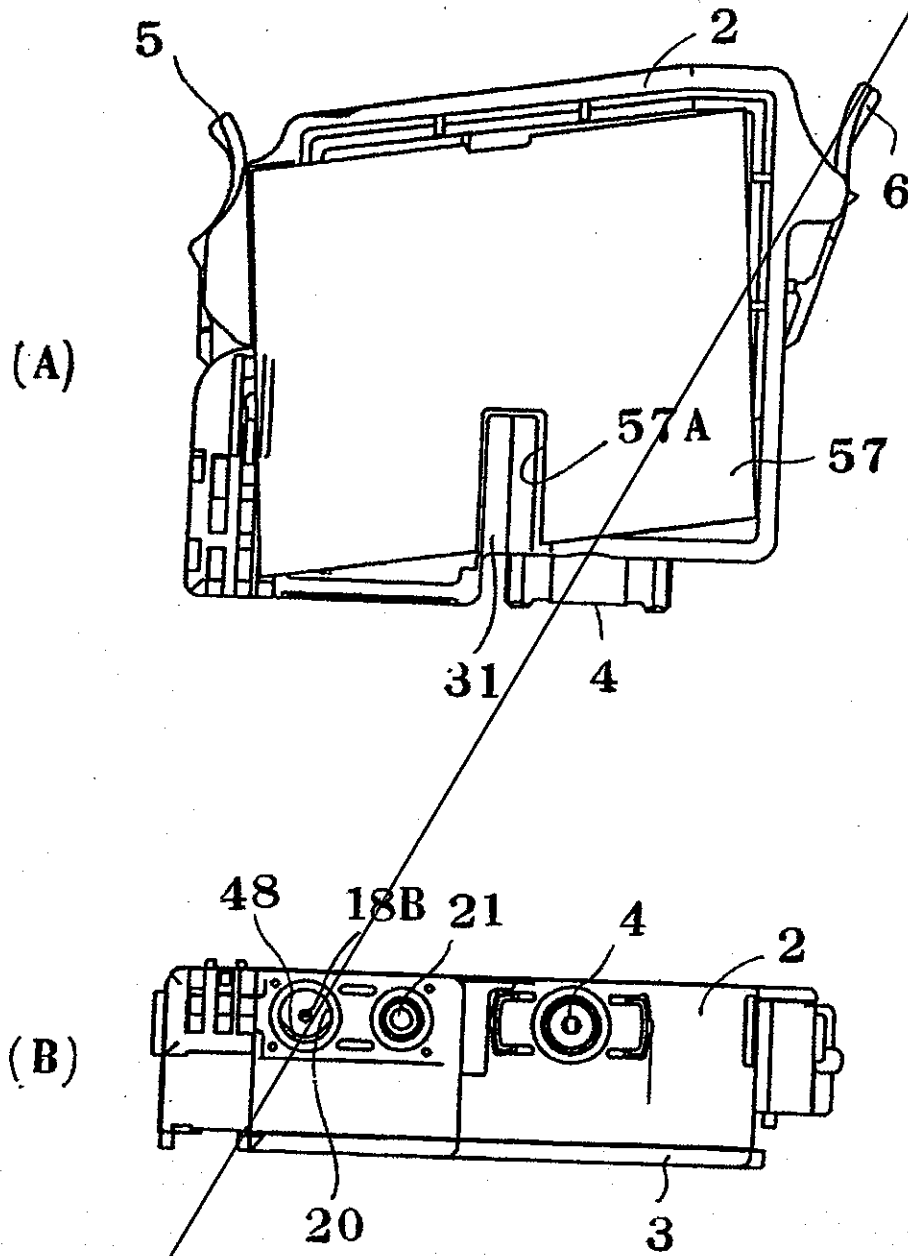
図8 Fig. 8



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図9 Fig. 9

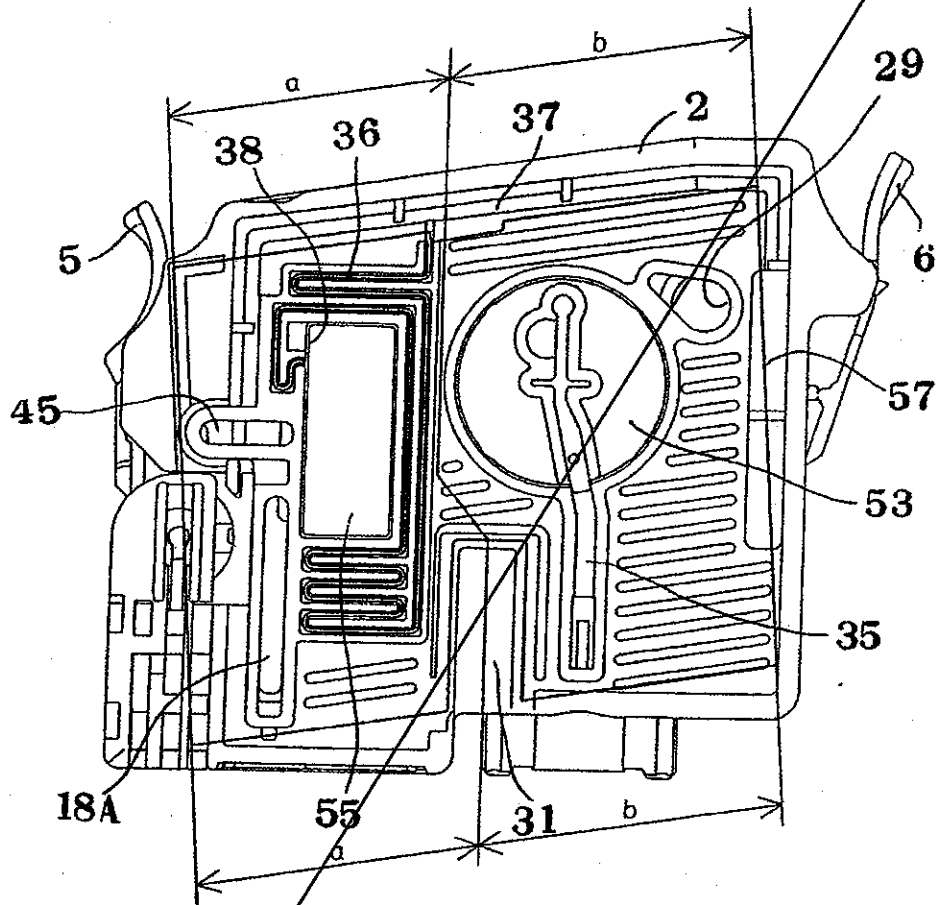


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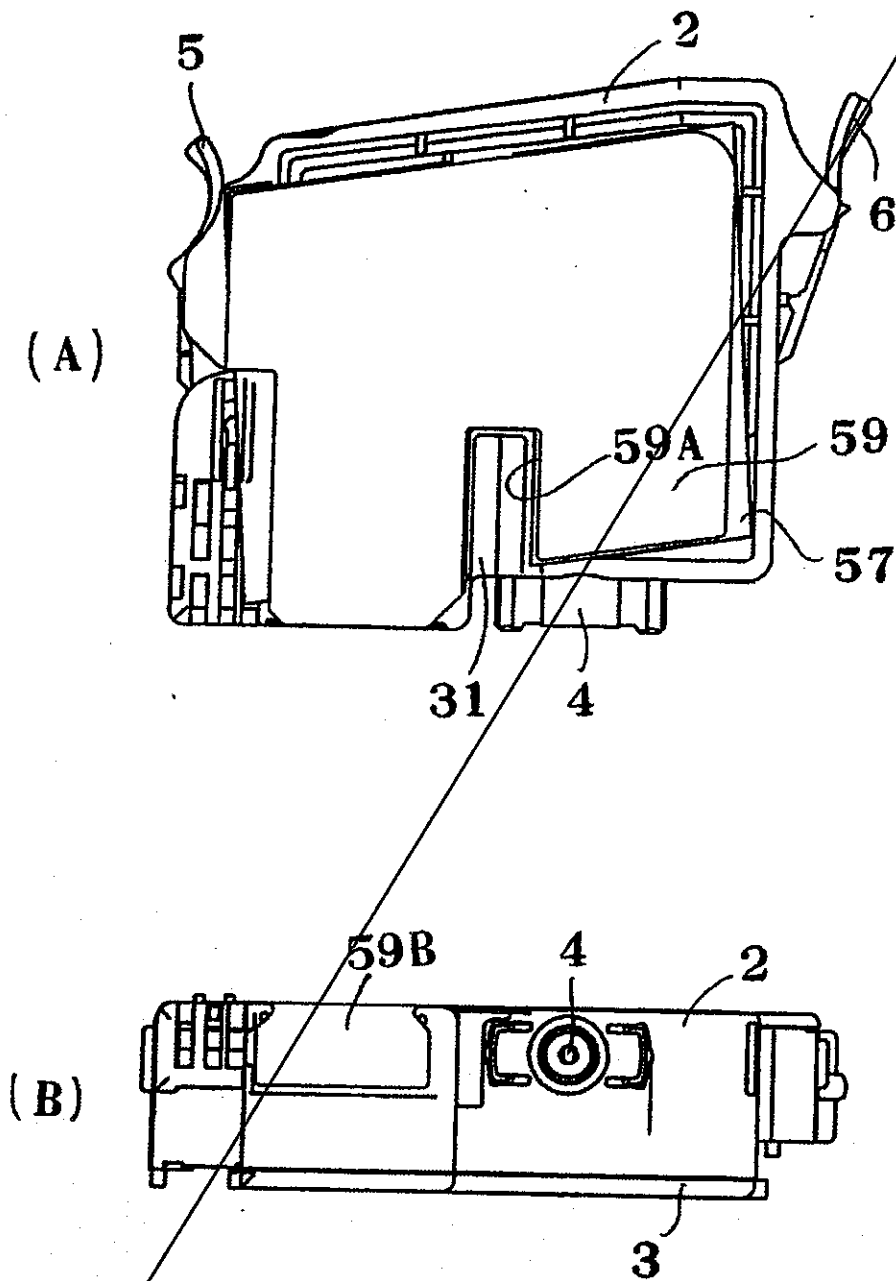
[図10] Fig. 10



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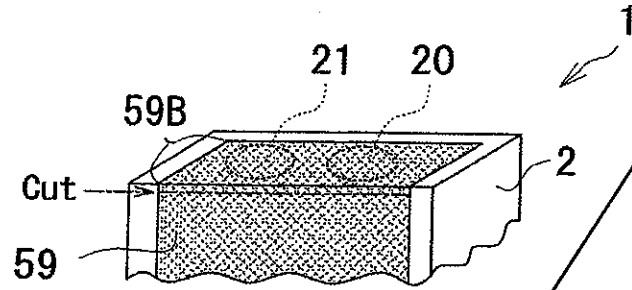
[図11] Fig. 11



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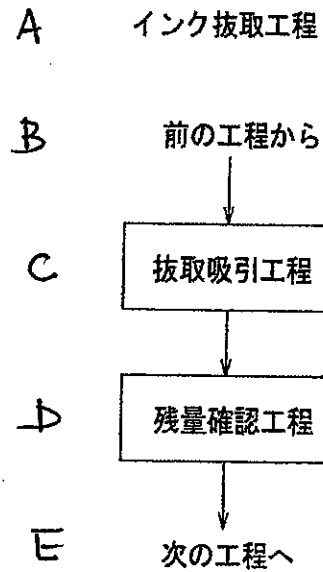
[図12] Fig. 12



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【図13】 Fig. 13



[FIG. 13]

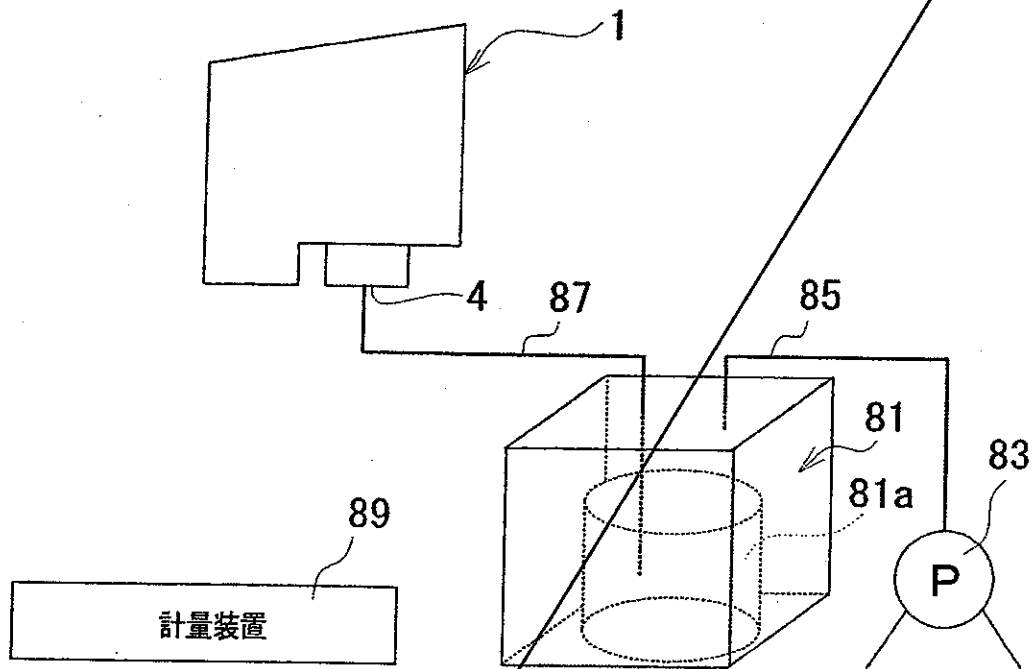
- A: INK EXTRACTING PROCESS
B: FROM THE PREVIOUS PROCESS
C: EXTRACTING AND SUCKING PROCESS
D: REMAINING AMOUNT CHECKING PROCESS
E: TO THE NEXT PROCESS

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[図14] Fig. 14

A インク採取工程



[FIG. 14]

A: INK EXTRACTING PROCESS

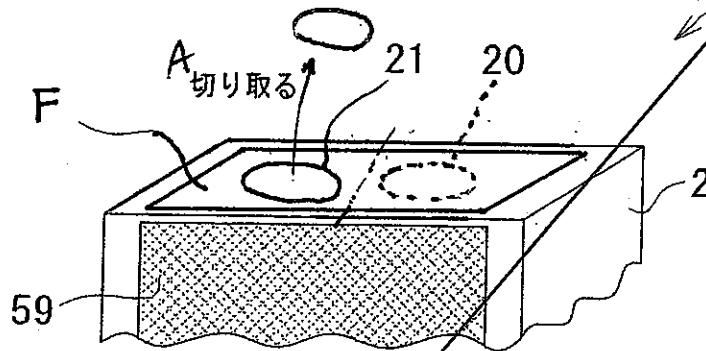
89: MEASURING DEVICE

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【図15】 Fig. 15

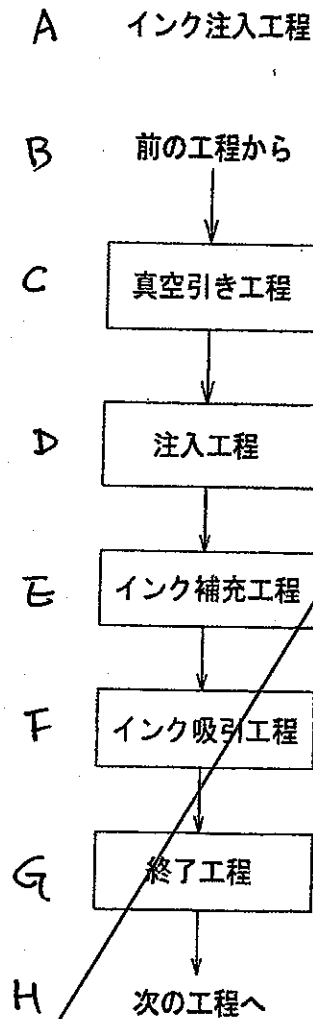
A: CUT OUT



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[図1-6] Fig. 16



A: INK INJECTING PROCESS

B: FROM THE PREVIOUS PROCESS

C: VACUUM PULLING PROCESS

D: INJECTING PROCESS

E: INK REPLENISHING PROCESS

F: INK SUCTION PROCESS

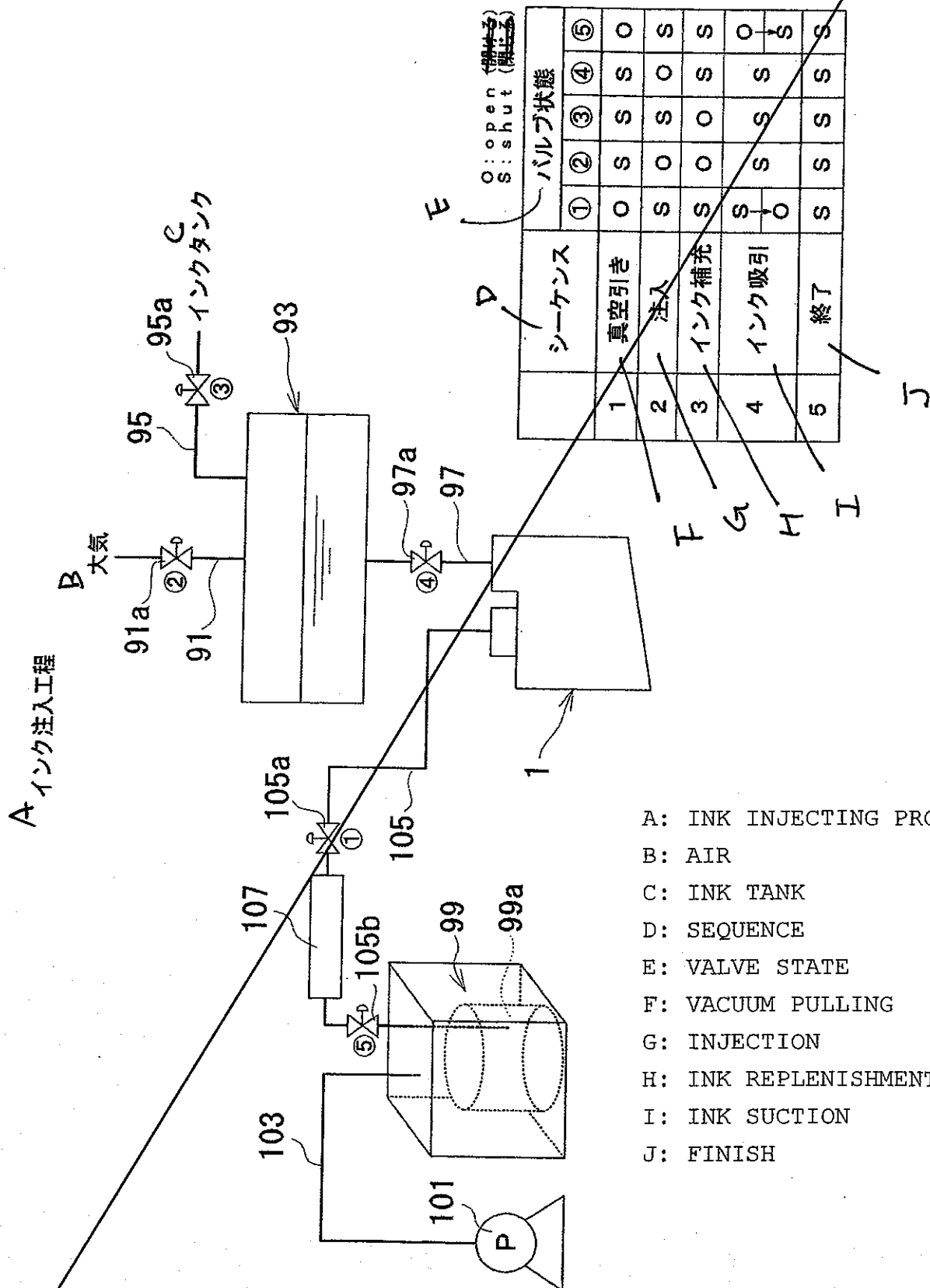
G: FINISHING PROCESS

H: TO THE NEXT PROCESS

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【図17】 Fig. 17

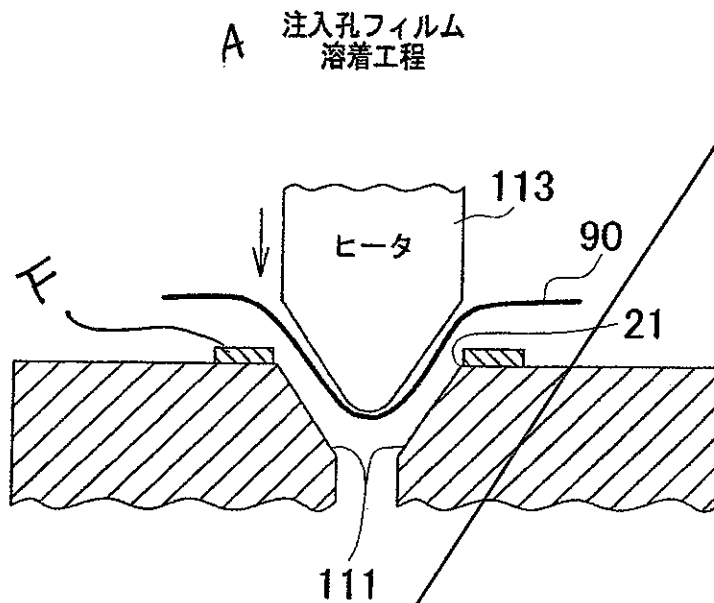


- A: INK INJECTING PROCESS
 B: AIR
 C: INK TANK
 D: SEQUENCE
 E: VALVE STATE
 F: VACUUM PULLING
 G: INJECTION
 H: INK REPLENISHMENT
 I: INK SUCTION
 J: FINISH

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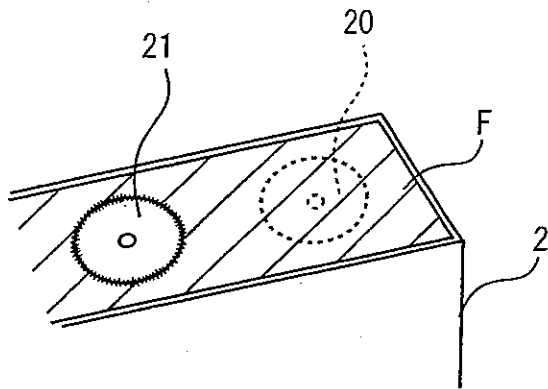
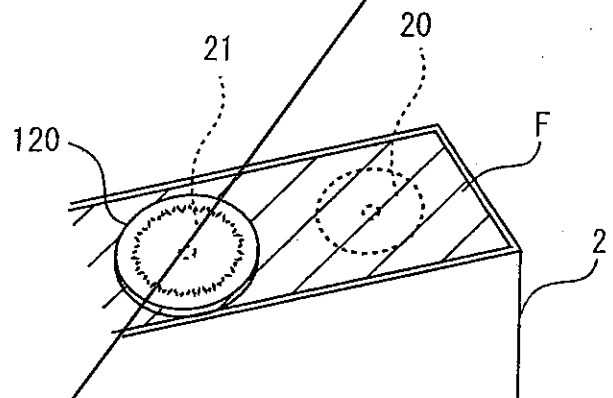
【図18】 Fig. 18.



A: INJECTION HOLE FILM WELDING PROCESS

113: HEATER

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~~【図19】~~Fig. 19
(a)Fig. 19
(b)

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~~(FIG. 20)~~

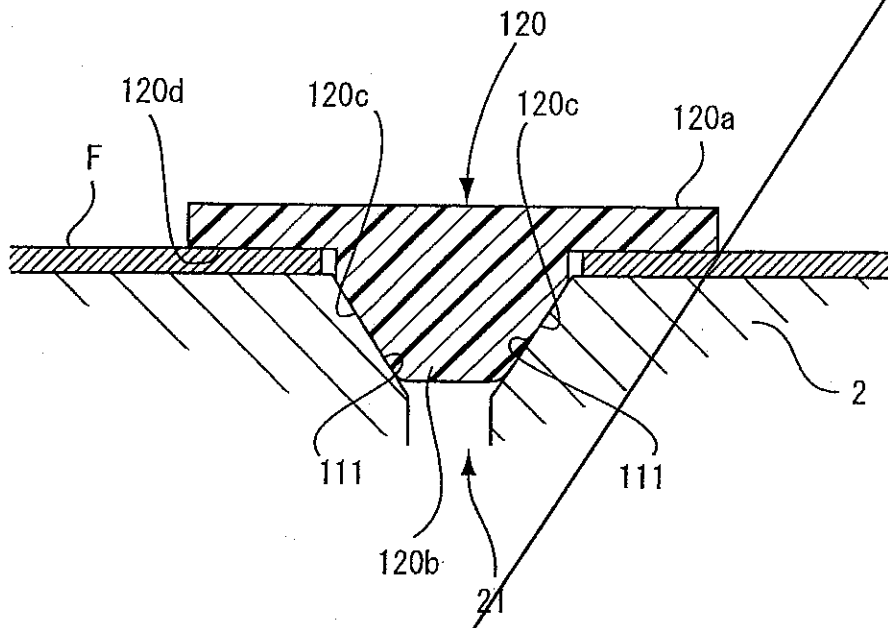


Fig. 20

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FIG. 1

RECYCLING PROCESS

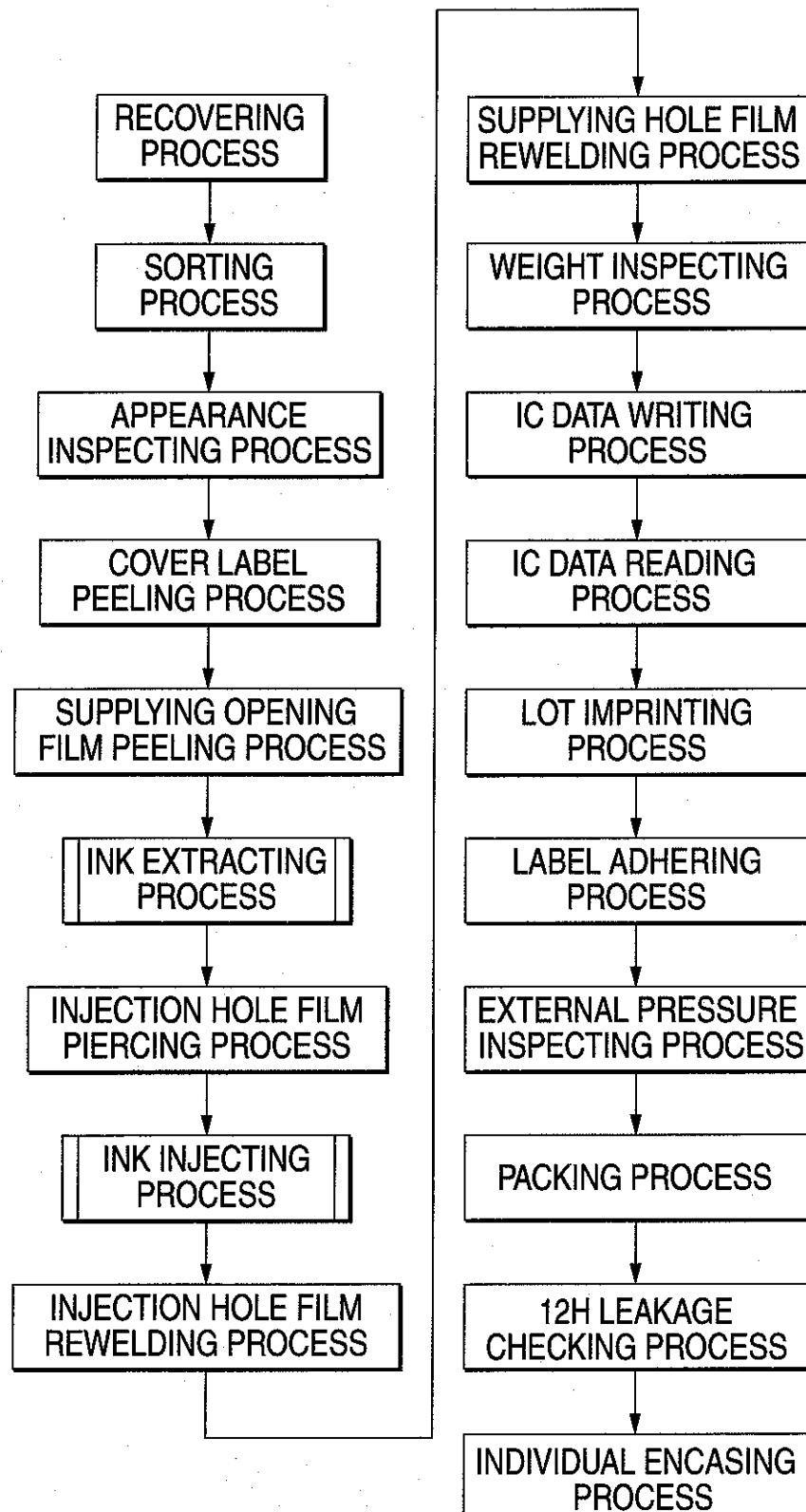
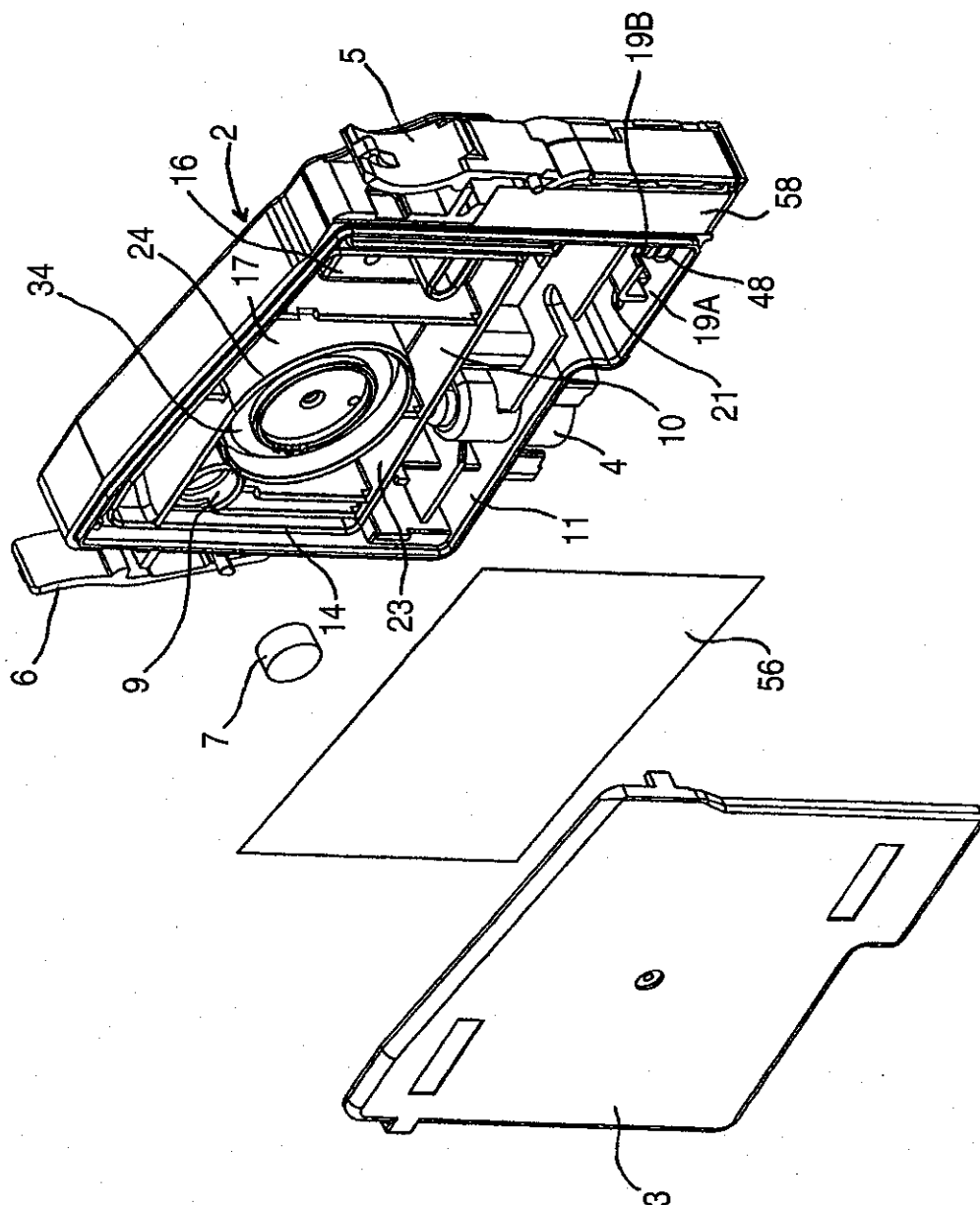


FIG. 2



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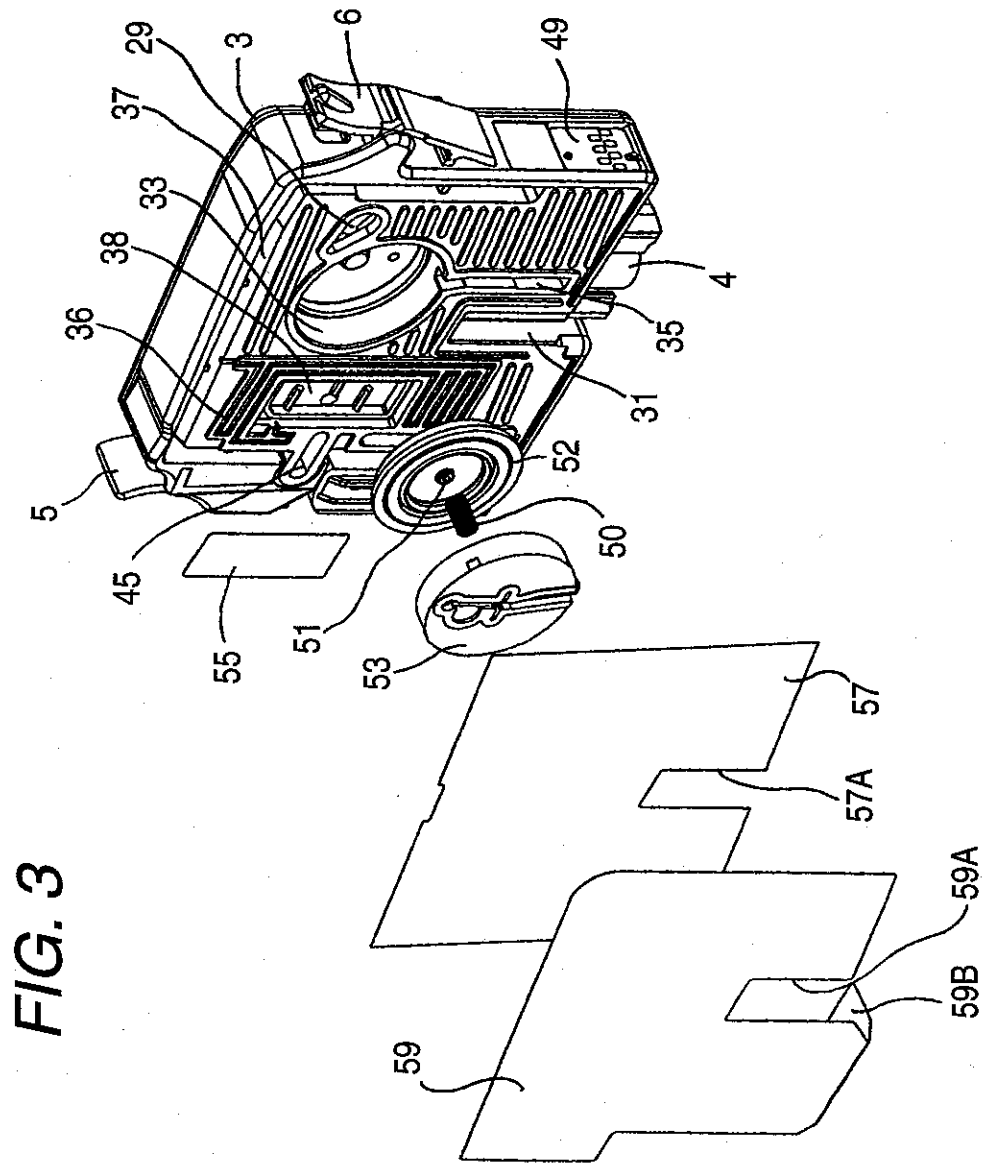
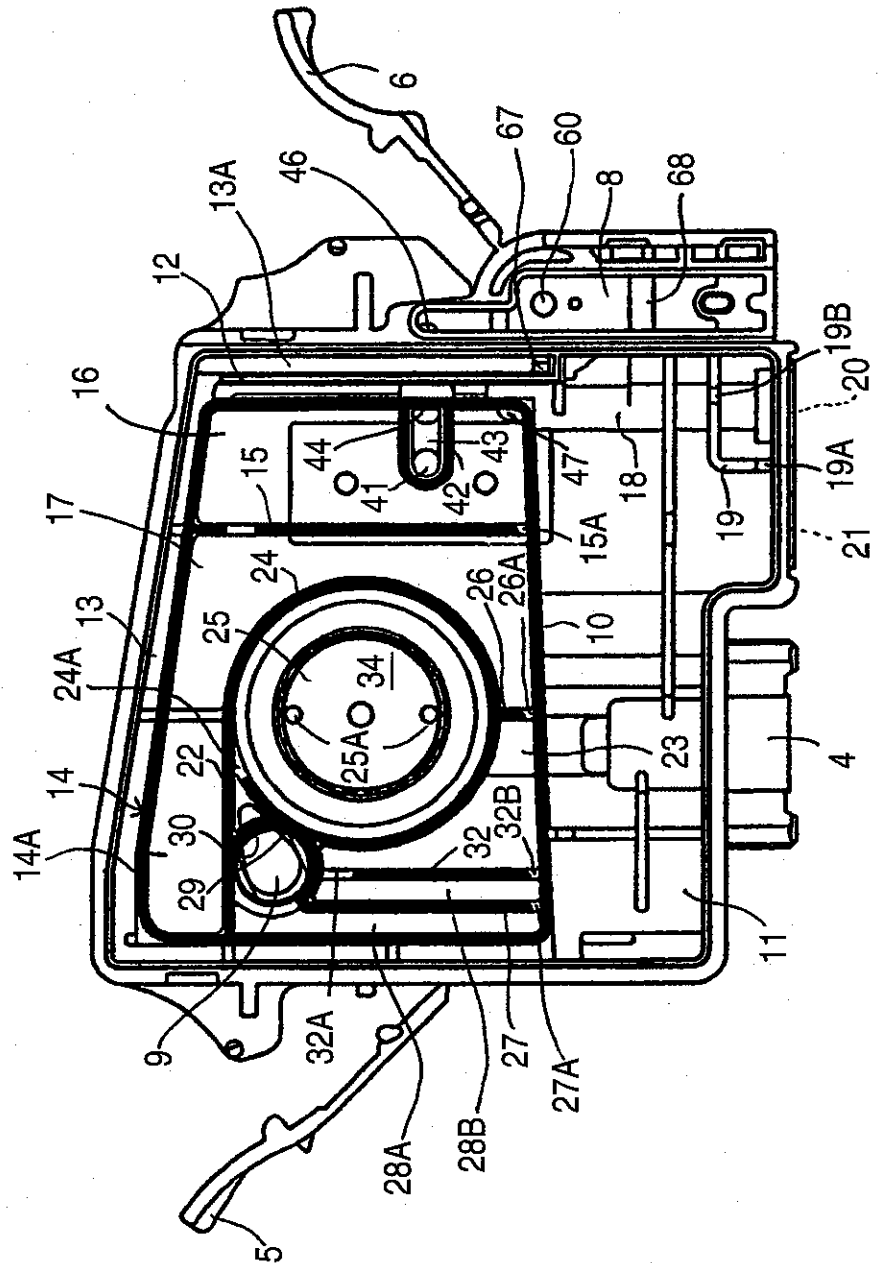


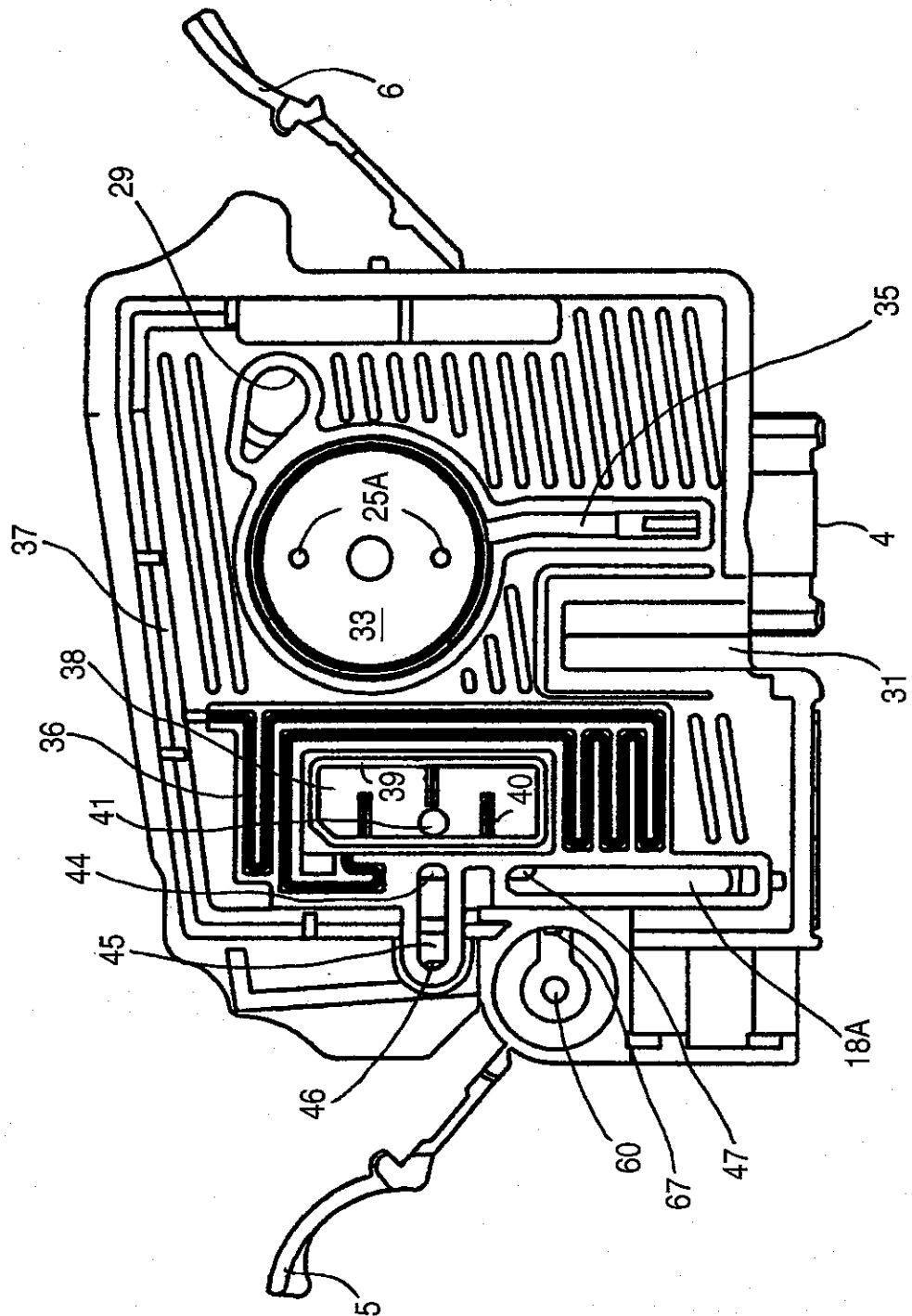
FIG. 4



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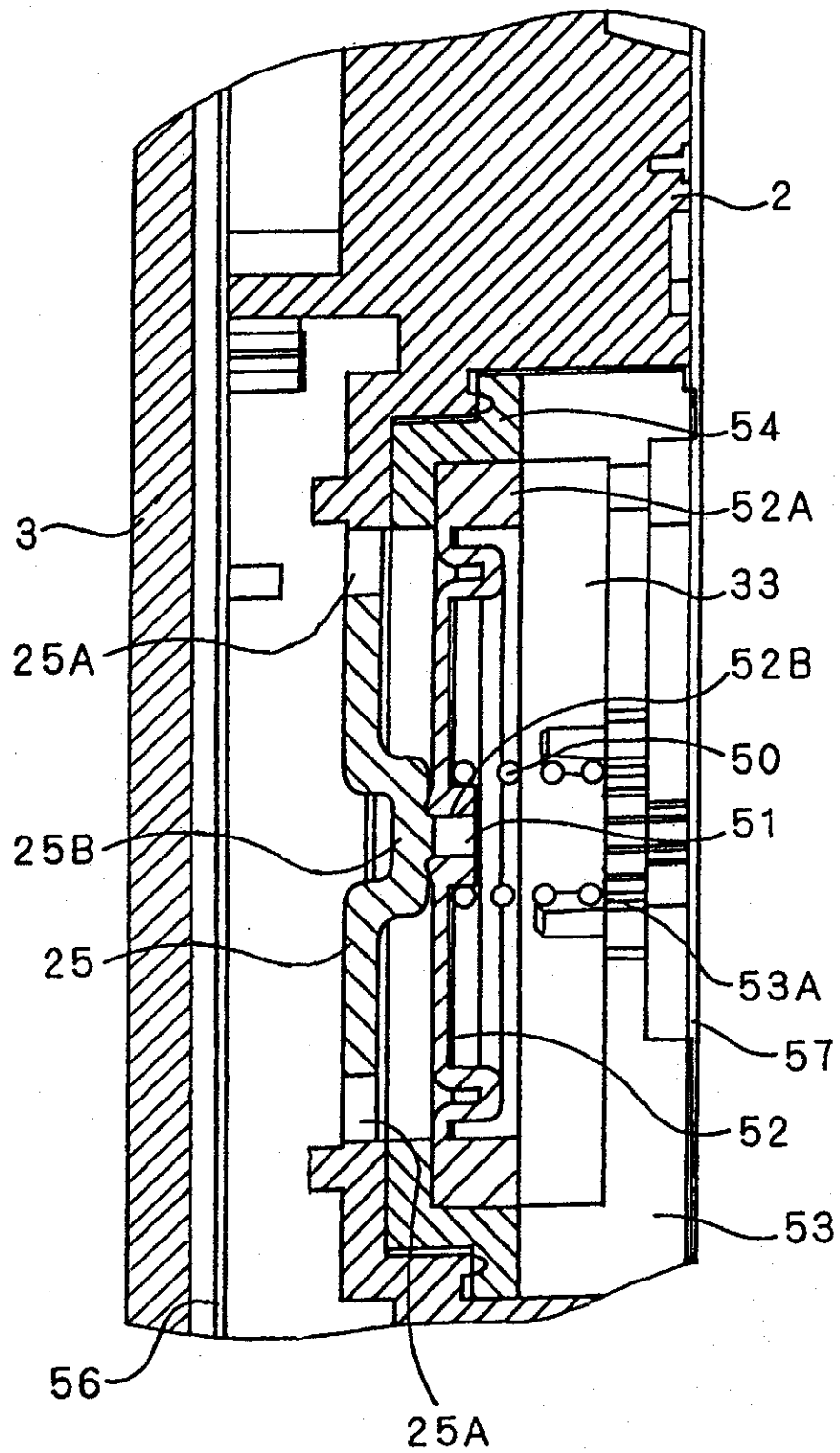
FIG. 5



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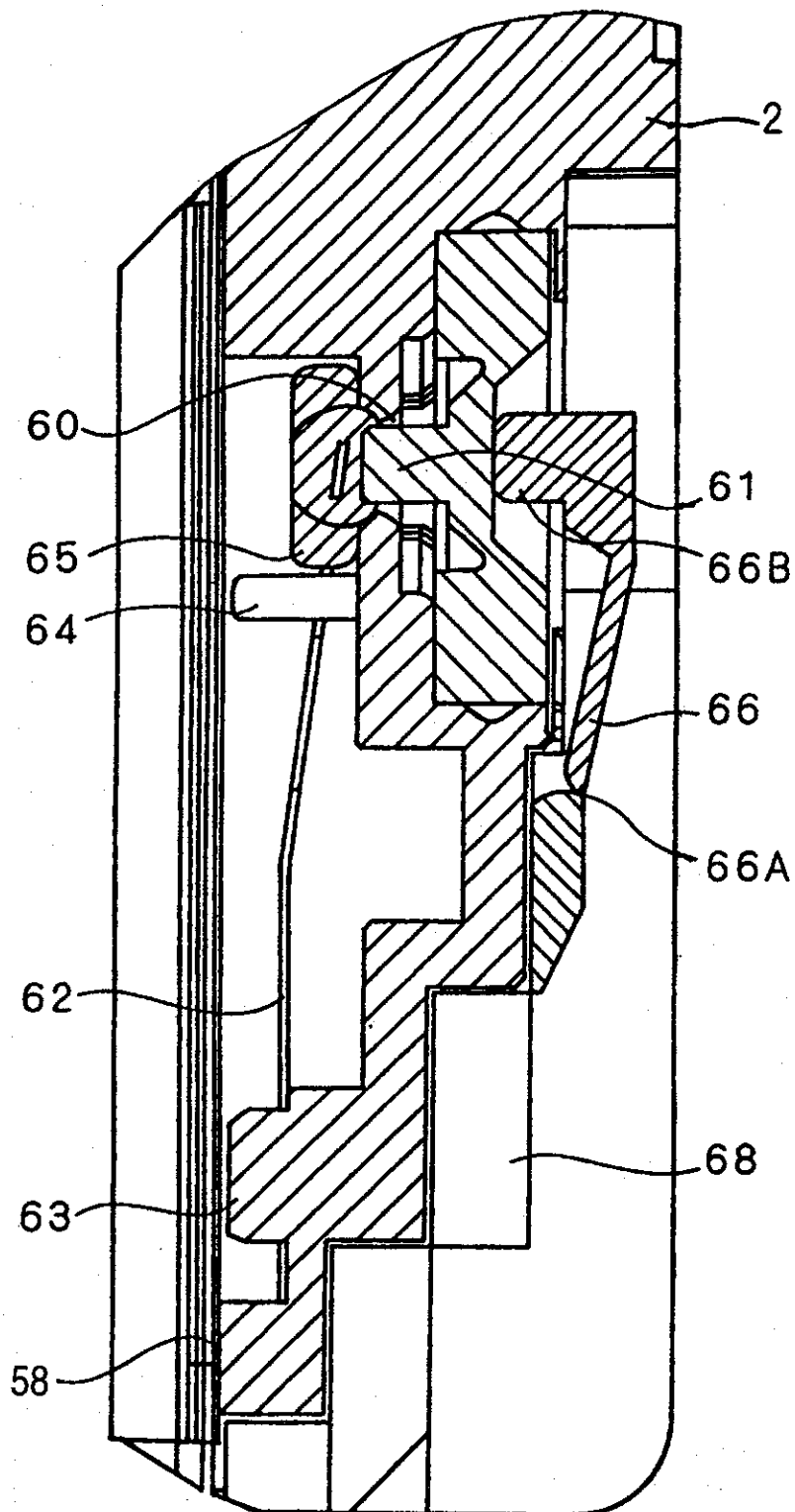
FIG. 6



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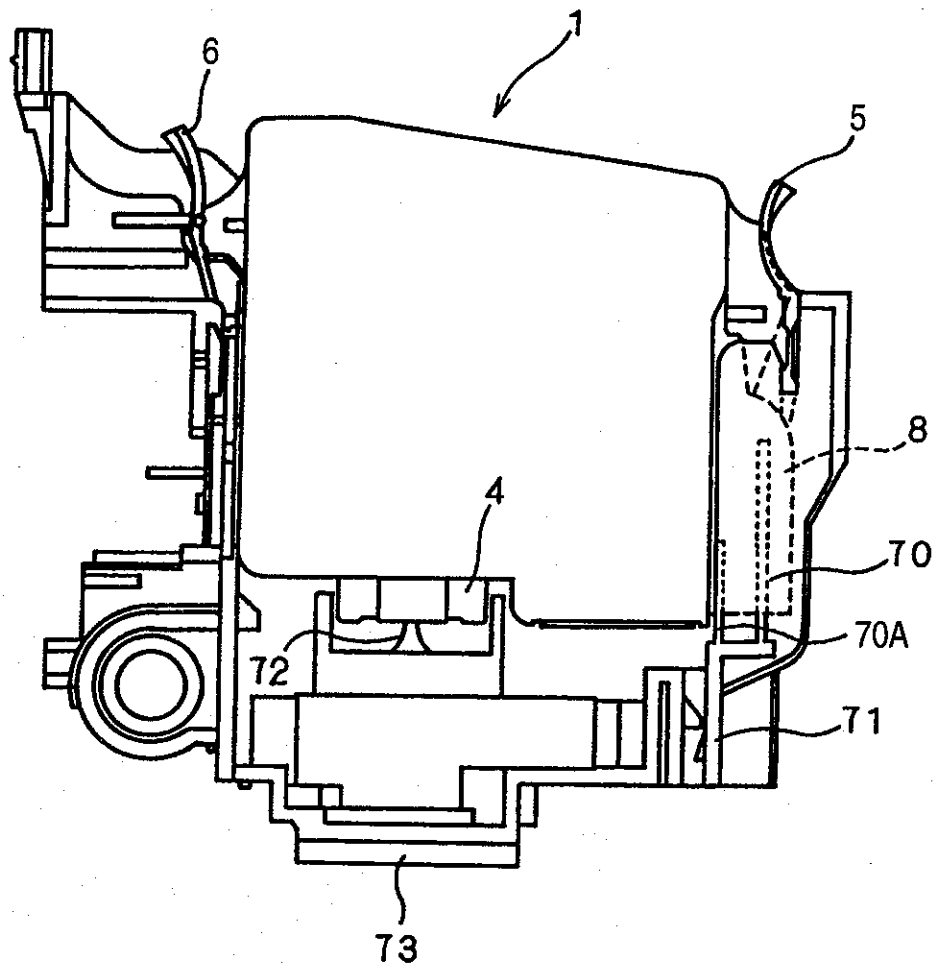
FIG. 7



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FIG. 8



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FIG. 9 (A)

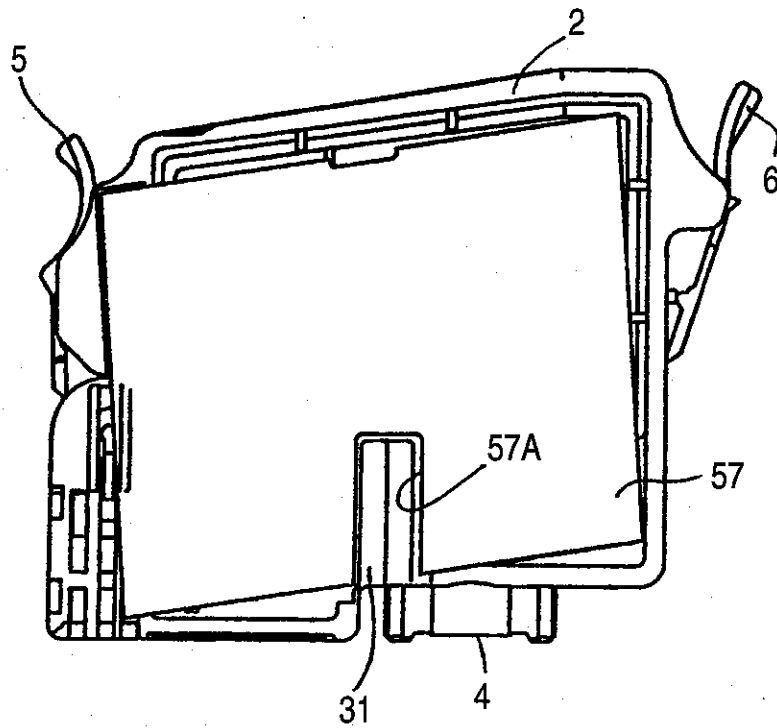
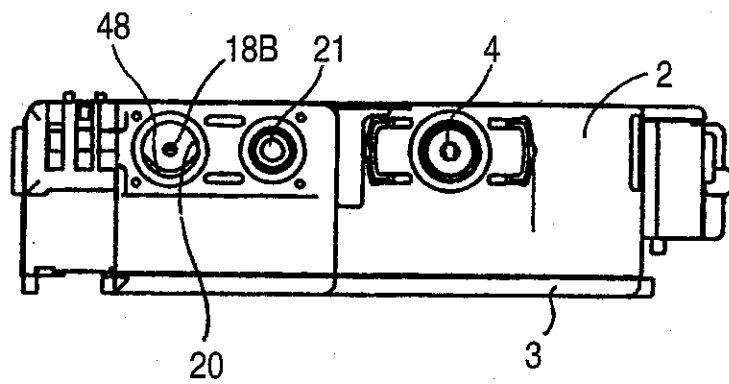


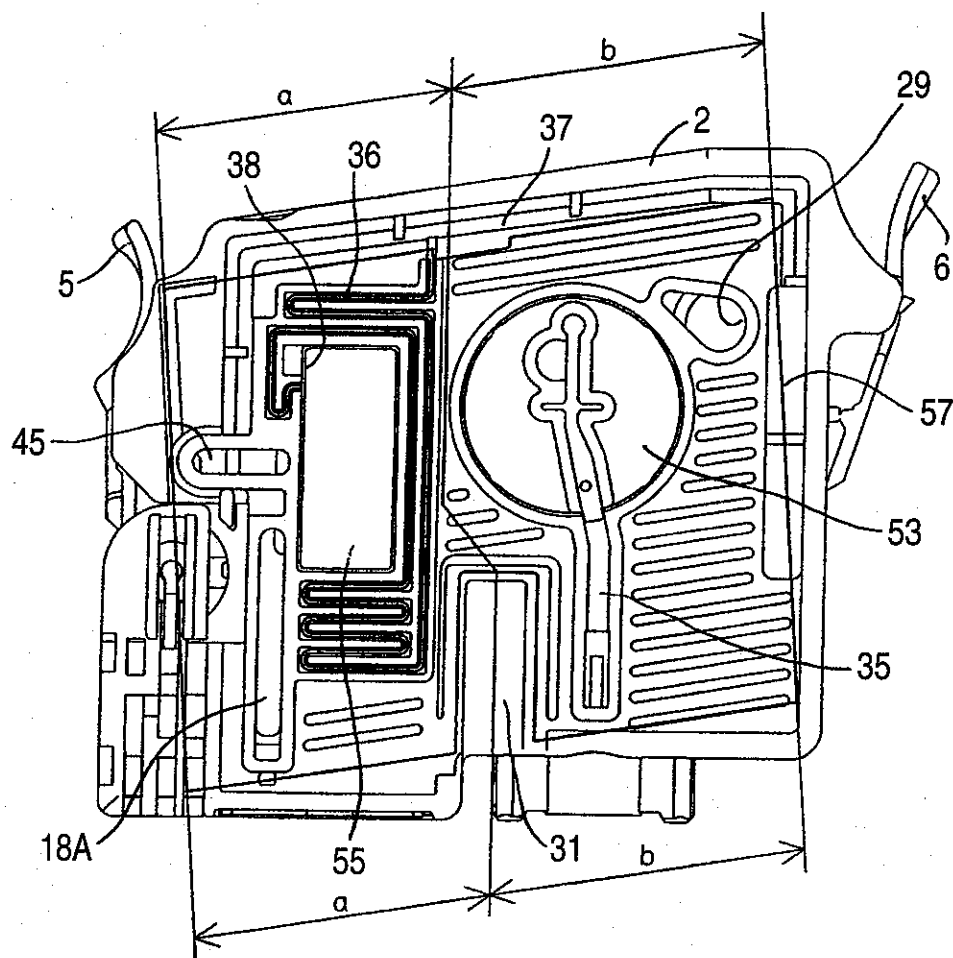
FIG. 9 (B)



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FIG. 10



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FIG. 11 (A)

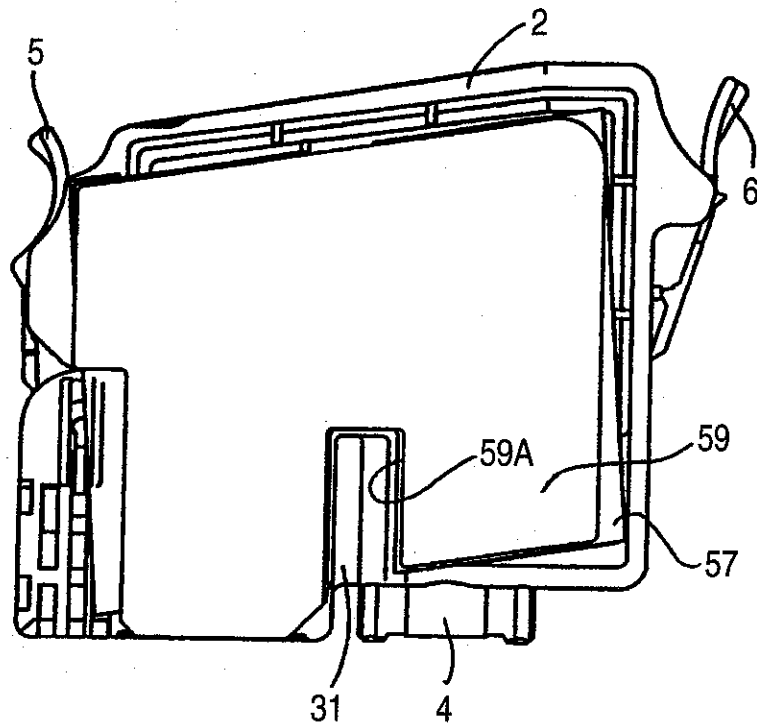
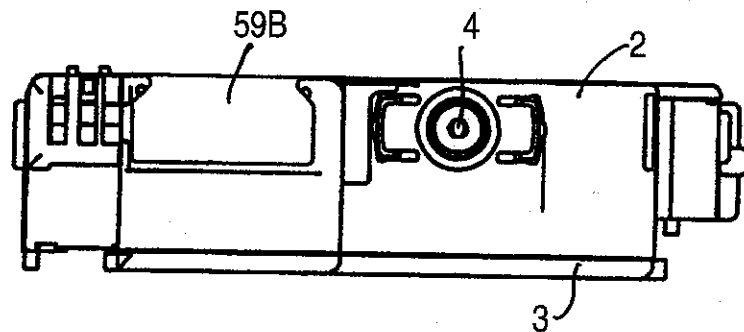
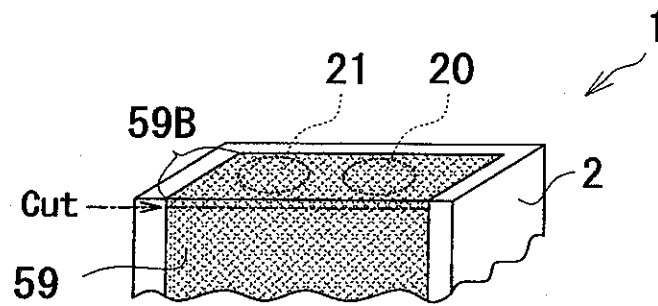


FIG. 11 (B)

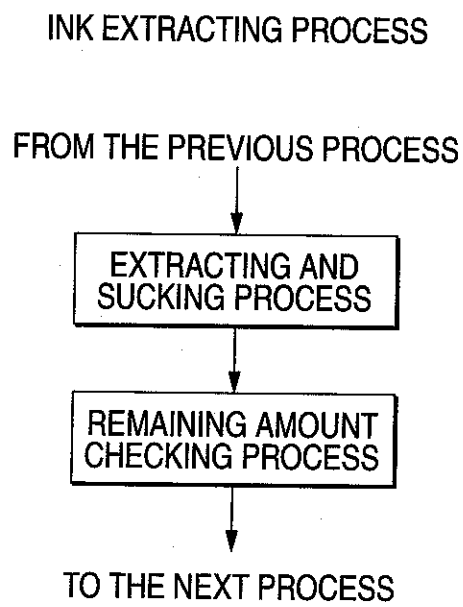


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FIG. 12

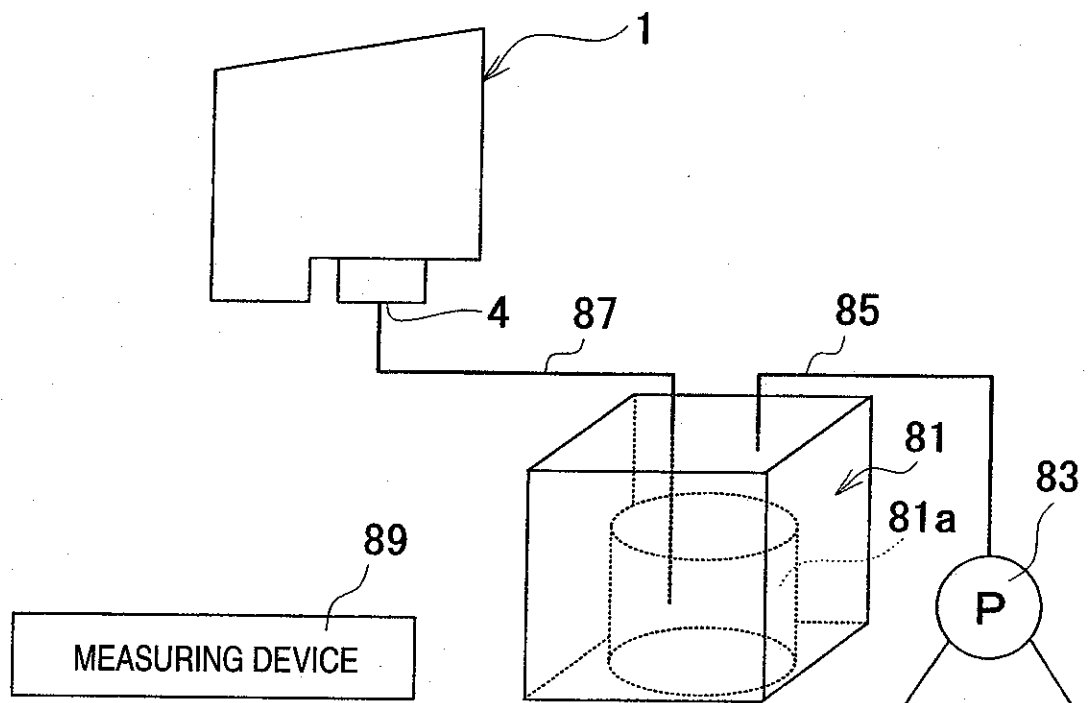
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FIG. 13

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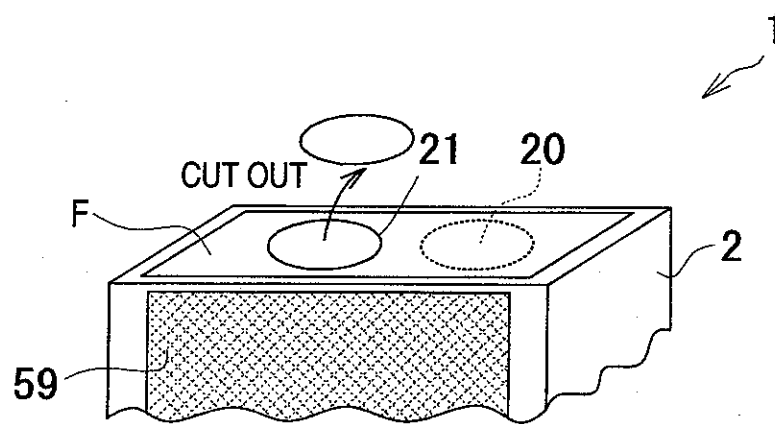
FIG. 14

INK EXTRACTING PROCESS

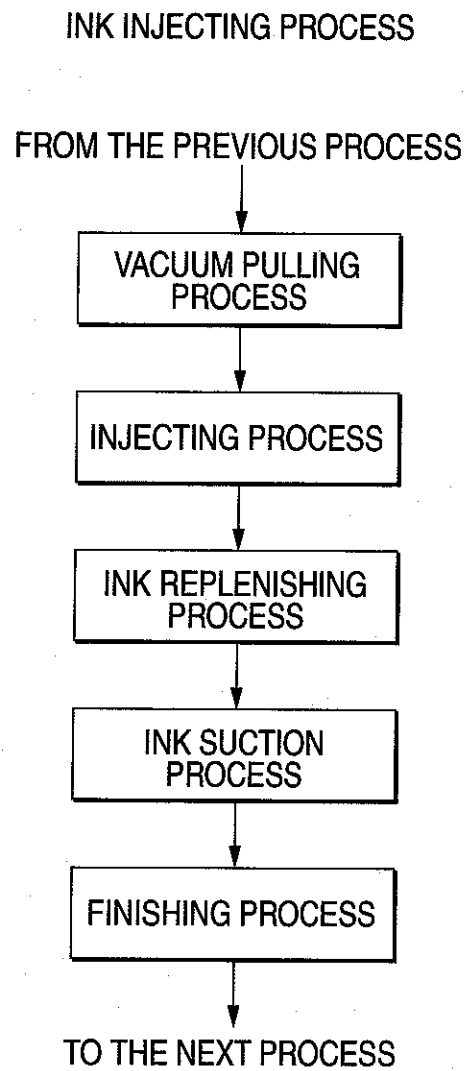


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FIG. 15

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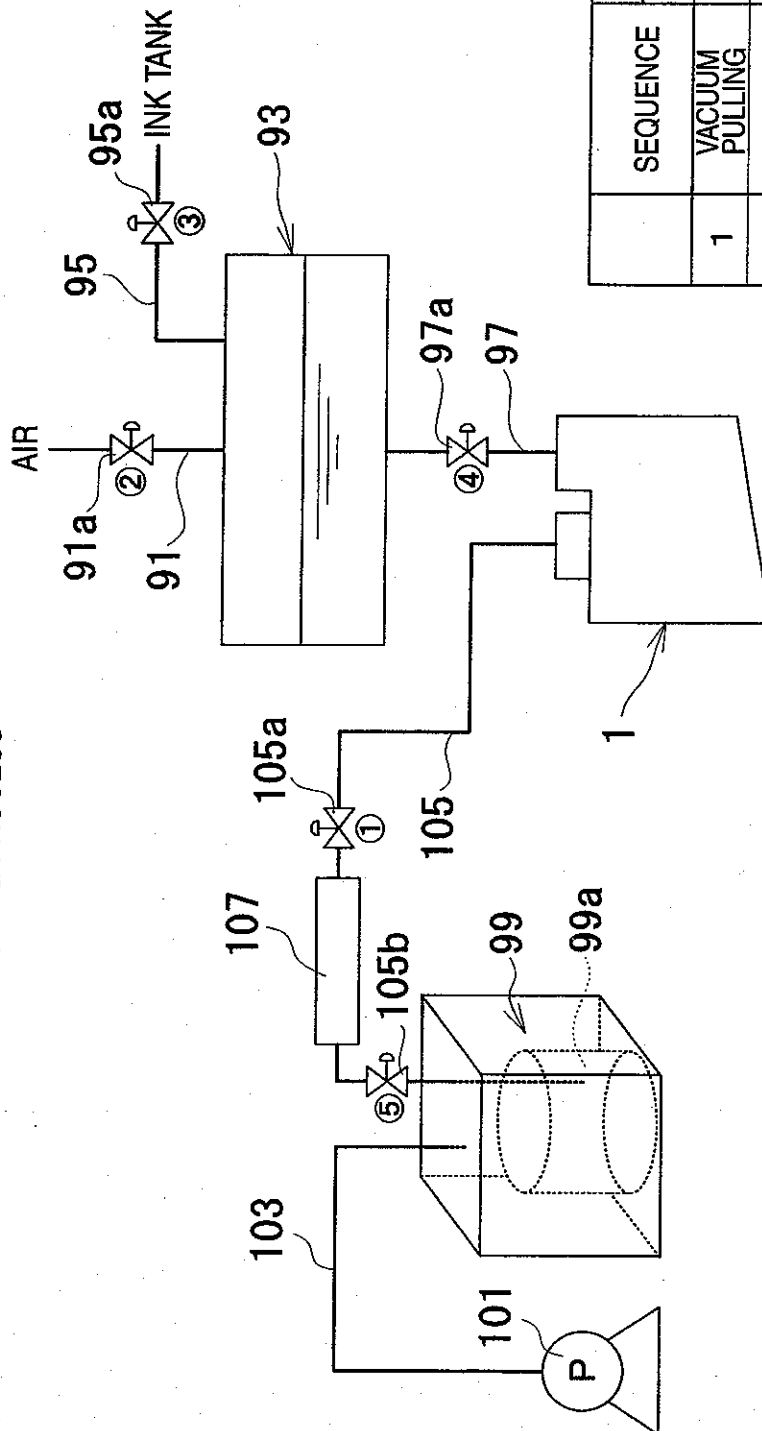
FIG. 16

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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

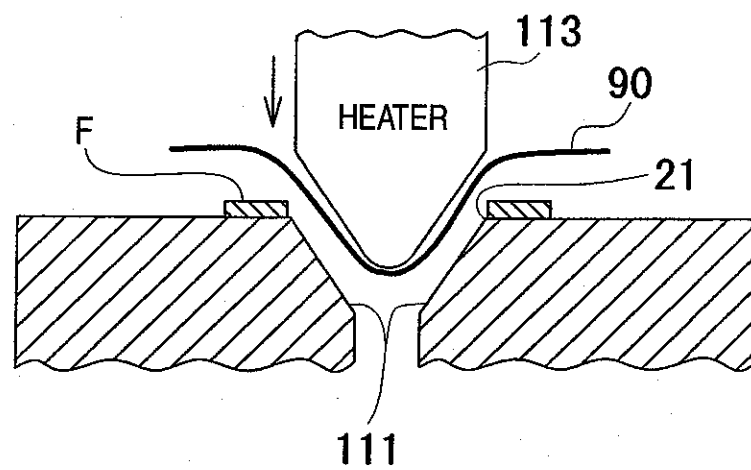
O: open
S: shut

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FIG. 18

INJECTION HOLE FILM WELDING PROCESS



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FIG. 19 (a)

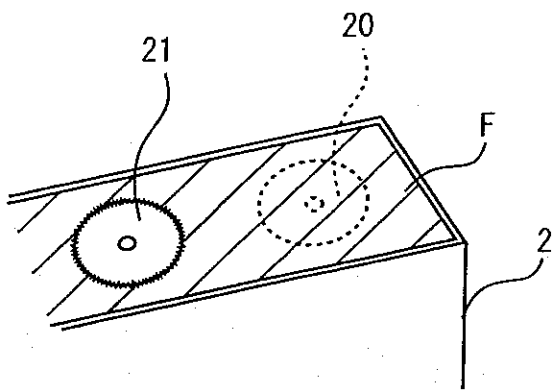
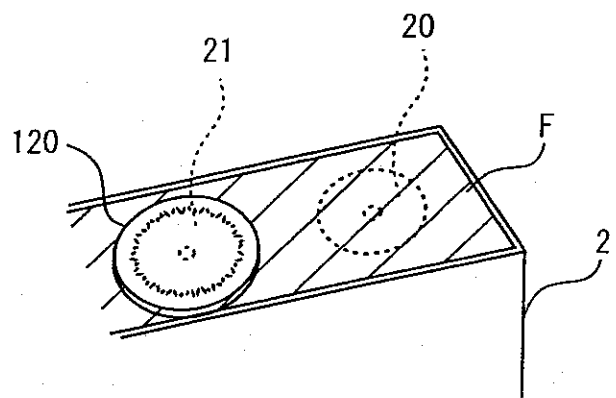


FIG. 19 (b)



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FIG. 20