

Fig1

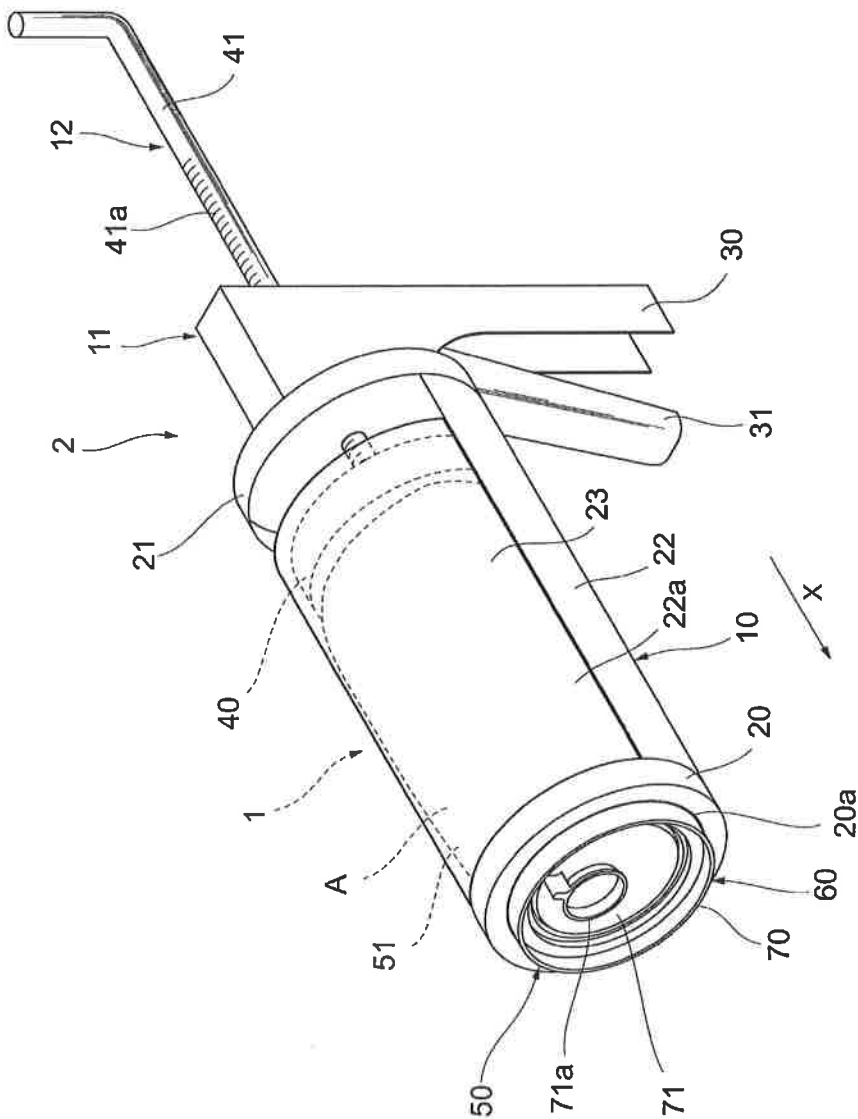
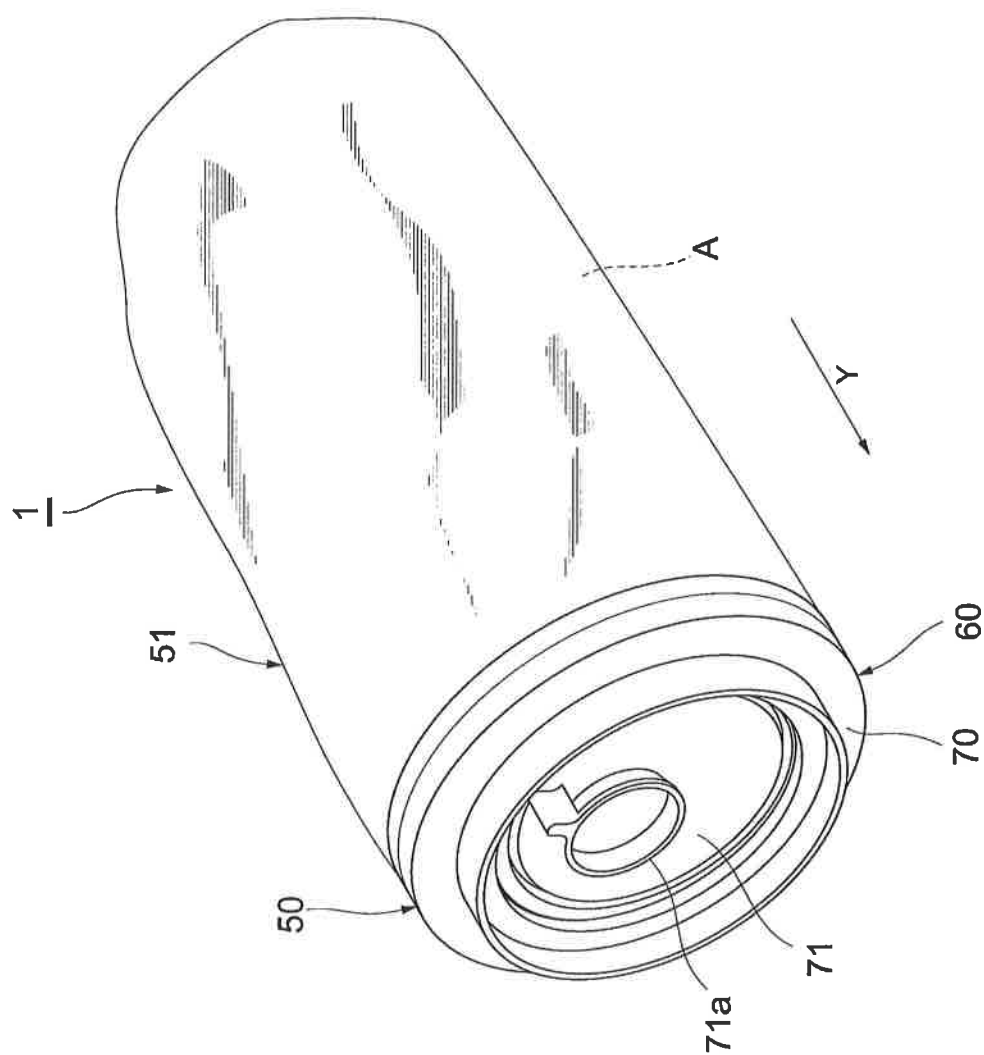


FIG.2



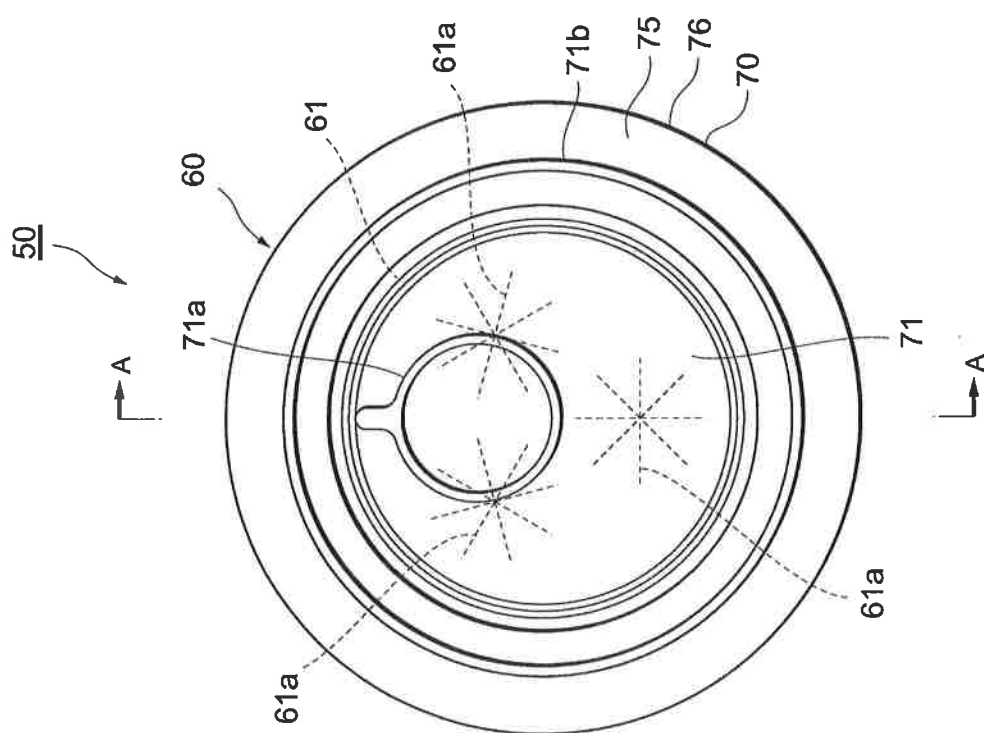


FIG. 3

FIG.4

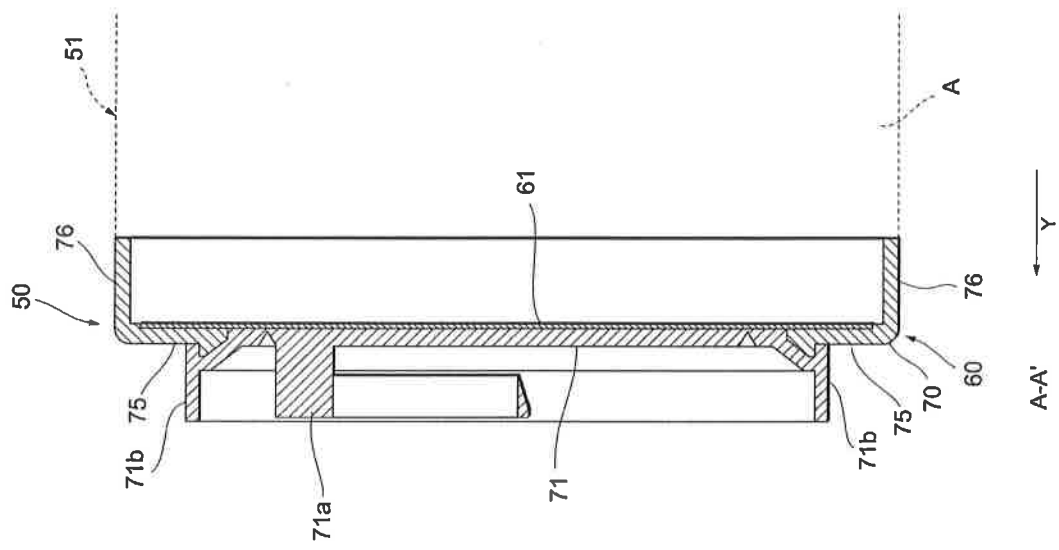


FIG. 5

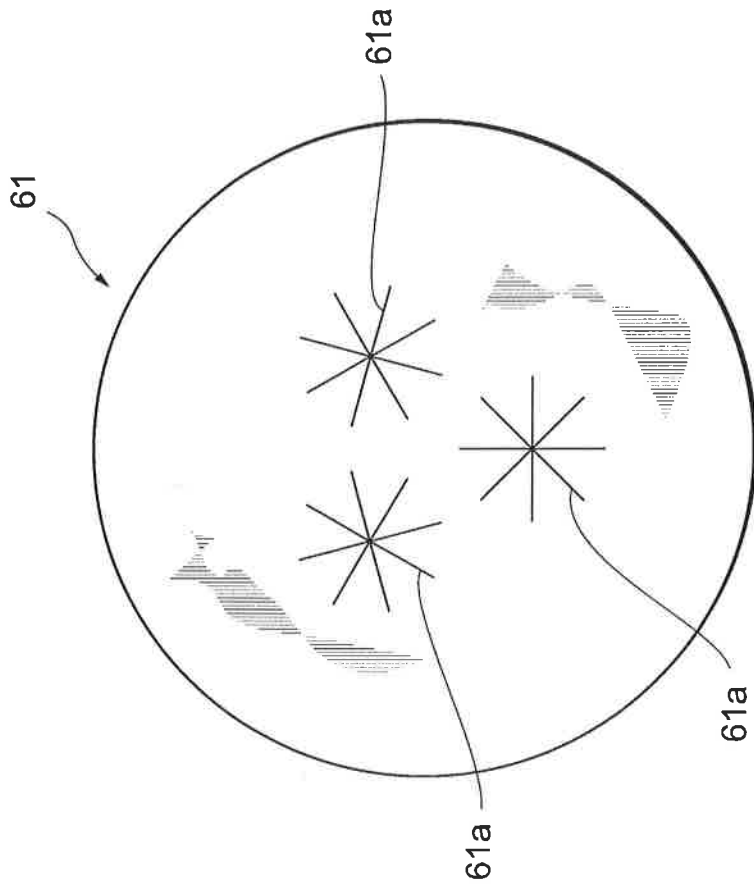


FIG. 6

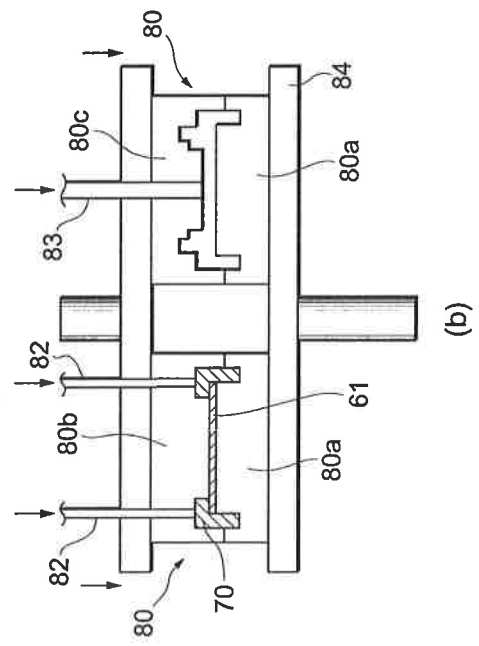
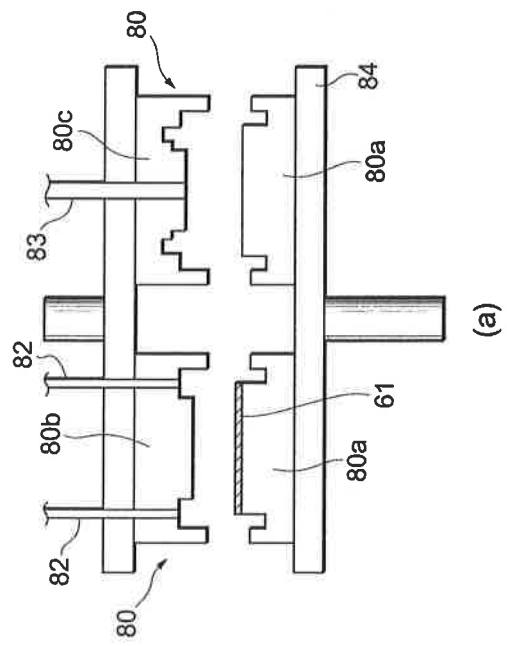


FIG. 7

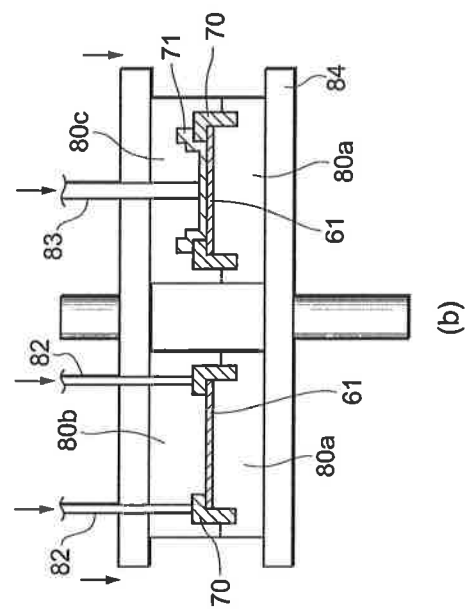
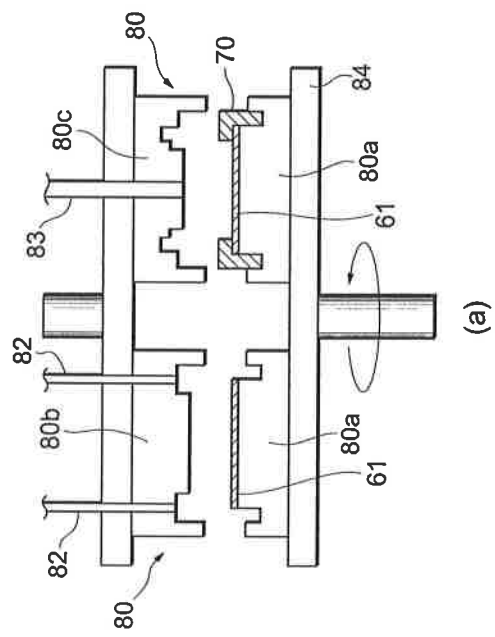
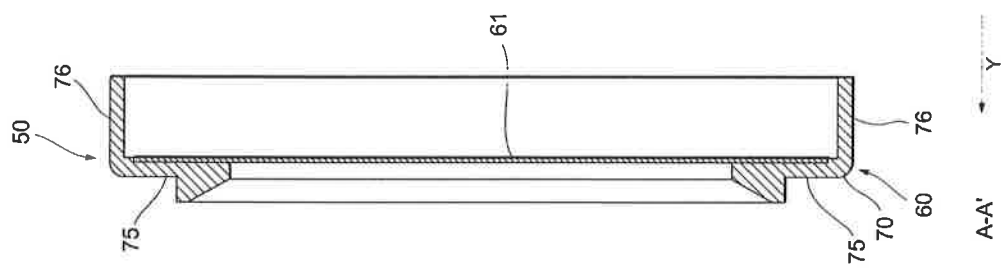


FIG. 8



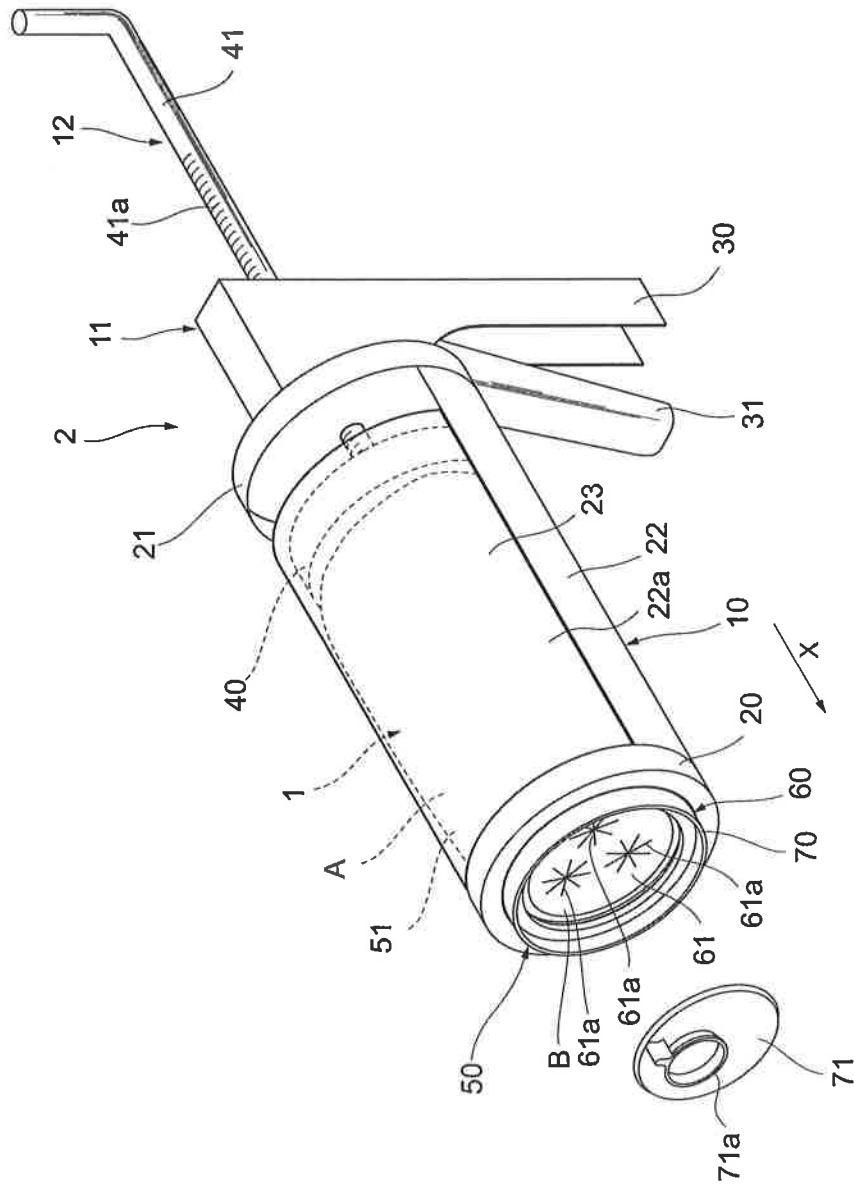


FIG. 9

Fig.10

	Comparative Example 1	Comparative Example 2	Comparative Example 3	Comparative Example 4	Comparative Example 5	Comparative Example 6	Example
Cap material	LDPE	LDPE	LDPE	LDPE	LDPE	LDPE	LDPE
Outer frame material	PP	PP 80% PE 20%	PP 70% PE 30%	PP 60% PE 40%	LDPE	HDPE	Metallocene PE
Sheet material	PP	PP	PP	PP	PP	PP	PP
Adhesiveness between outer frame and sheet	(A)	(A)	(B)	(D)	(D)	(D)	(A)
Adhesiveness between outer frame and cap	(D)	(D)	(D)	(B)	(A)	(A)	(A)
Pull-top seal release	(A)	(A)	(A)	(A)	(A)	(A)	(A)

Fig.11

Drop test	(C)	(B)	(B)	(A)	(A)	(A)	(A)	(A)	(A)
Penetrant check	(C)	(B)	(B)	(B)	(A)	(A)	(A)	(A)	(A)
Shape check	(C)	(B)	(B)	(A)	(A)	(A)	(A)	(A)	(B)
Tensile strength N/15 mm	3	6	15	23	35	55	80	100	
Tensile test	(D)	(C)	(B)	(B)	(A)	(A)	(A)	(A)	(A)
Comprehensive evaluation	(D)	(C)	(B)	(B)	(A)	(A)	(A)	(A)	(B)

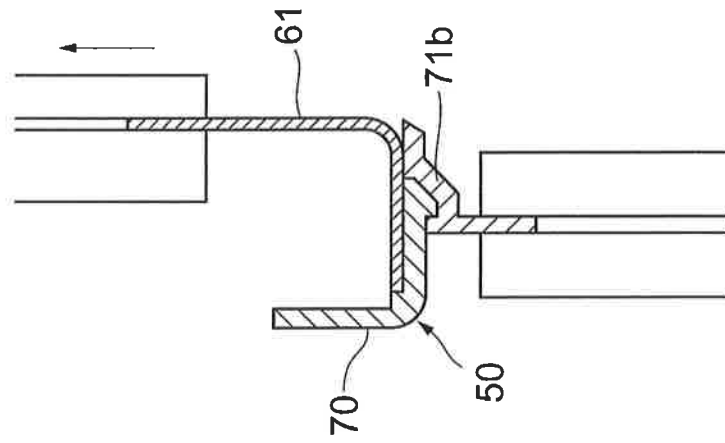


Fig.12