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(12) **United States Design Patent**
Nagayasu et al.

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(45) **Date of Patent:** **** Mar. 14, 2017**

(54) **CABLE TIE**

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(**) Term: **15 Years**

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(30) **Foreign Application Priority Data**

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(51) **LOC (10) Cl.** **08-08**

(52) **U.S. Cl.**
USPC **D8/383**

(58) **Field of Classification Search**

USPC D8/383, 356, 382, 394, 396, 499
CPC B65D 63/00; B65D 63/1072; B65D 63/1063;
B65D 63/1081; B65D 63/1045; B65D
2563/103; F16B 2/26; F16L 3/2332;
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,965,538 A * 6/1976 Caveney B65D 63/1072
24/16 PB
4,138,770 A * 2/1979 Barrette B65D 63/1072
24/16 PB

(Continued)

OTHER PUBLICATIONS

"U.S. Appl. No. 29/522,831, Non Final Office Action mailed Jun. 15, 2016", 6 pgs.

(Continued)

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(57) **CLAIM**

The ornamental design for a cable tie, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a cable tie showing our new design;

FIG. 2 is a rear perspective view thereof;

FIG. 3 is a front view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is a top plan view thereof, a bottom plan view being a mirror image of FIG. 5;

FIG. 6 is a right side view thereof;

FIG. 7 is a left side view thereof;

FIG. 8 is an enlarged view of the portion indicated by line 8-8 in FIG. 1 thereof;

FIG. 9 is an enlarged view of the portion indicated by line 9-9 in FIG. 2 thereof;

FIG. 10 is an enlarged view of the portion indicated by line 10-10 in FIG. 3 thereof;

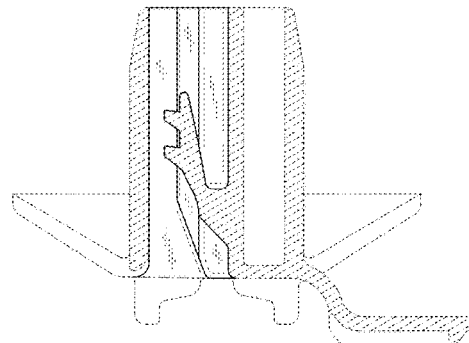
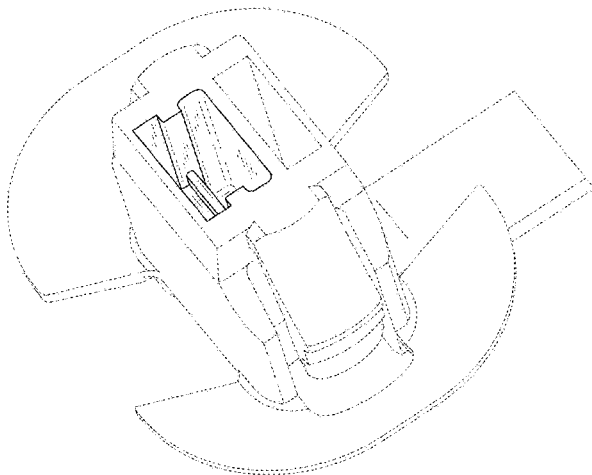
FIG. 11 is an enlarged view of the portion indicated by line 11-11 in FIG. 4 thereof;

FIG. 12 is a cross sectional view taken along line 12-12 in FIG. 10 thereof; and,

FIG. 13 is a cross sectional view taken along line 13-13 in FIG. 10 thereof.

The features shown in broken lines in the drawings depict environmental subject matter only and form no part of the claimed design. The dash-dotted lines in FIGS. 2, 4, 9, 11, and 12 denote the boundary of the claim and form no part of the claimed design.

1 Claim, 10 Drawing Sheets



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(58) **Field of Classification Search**
 CPC ... F16L 3/2334; F16L 3/2338; Y10T 24/1498;
 Y10T 24/14; Y10T 24/141; Y10T 24/15;
 Y10T 24/153
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D305,099	S	12/1989	Naruse et al.	
5,131,613	A	7/1992	Kamiya et al.	
5,146,654	A *	9/1992	Caveney	B29C 45/0053 24/16 PB
5,267,373	A *	12/1993	Chisek	B65D 63/1072 24/16 PB
D372,665	S	8/1996	Kim	
5,601,261	A	2/1997	Koike	
5,669,111	A *	9/1997	Rohaly	B65D 63/1072 24/16 PB
D389,051	S *	1/1998	Caveney	24/16 PB
D417,142	S	11/1999	Kim	
D417,387	S	12/1999	Kim	
D417,838	S	12/1999	Kim	
D422,487	S	4/2000	Khokhar	
D444,054	S	6/2001	Bernard et al.	
6,279,203	B1	8/2001	Hundley et al.	
D459,206	S	6/2002	Caveney et al.	
6,484,366	B1	11/2002	Deschenes et al.	
D471,435	S	3/2003	Krisel et al.	
D488,374	S	4/2004	Hussaini et al.	
D520,865	S	5/2006	Wakabayashi	
D530,600	S	10/2006	Krisel et al.	
7,303,711	B2	12/2007	Gallant et al.	
D596,933	S	7/2009	Banno et al.	
D606,832	S	12/2009	Wan et al.	
7,774,905	B2 *	8/2010	Geiger	F16L 3/2332 24/16 PB
7,779,515	B2	8/2010	Demik et al.	
D624,811	S	10/2010	Wakabayashi	
8,069,537	B2	12/2011	Gallant	

8,282,047	B2	10/2012	Franks	
8,510,918	B2 *	8/2013	Shilale	B65D 63/1072 24/16 PB
D701,453	S	3/2014	Wang	
D723,361	S	3/2015	Adams	
D729,044	S *	5/2015	Asai	D8/356
D729,054	S	5/2015	Chen	
D732,945	S	6/2015	Asai	
D741,691	S	10/2015	Adams	
D751,888	S	3/2016	Sakamoto	
D757,523	S	5/2016	Kim et al.	
D757,530	S	5/2016	Straney et al.	
D761,642	S	7/2016	Nagayasu	
2003/0163904	A1 *	9/2003	O'Young	B65D 63/1072 24/16 PB
2005/0115029	A1	6/2005	Magno, Jr.	
2007/0028426	A1 *	2/2007	Laporte	B65D 63/1063 24/16 PB
2007/0175001	A1 *	8/2007	Tomory	B65D 63/1072 24/16 PB
2008/0250609	A1	10/2008	Franks	
2009/0172922	A1	7/2009	Laporte	
2011/0302746	A1	12/2011	Sano	
2012/0159742	A1	6/2012	Iwahara et al.	
2015/0210453	A1	7/2015	Liang et al.	

OTHER PUBLICATIONS

"U.S. Appl. No. 29/522,833, Ex Parte Quayle Action mailed Dec. 18, 2015", 6 pgs.
 "U.S. Appl. No. 29/522,833, Notice of Allowance mailed Mar. 9, 2016", 7 pgs.
 "U.S. Appl. No. 29/522,833, Response filed Feb. 9, 2016 to Ex Parte Quayle Action mailed Dec. 18, 2015", 3 pgs.
 "U.S. Appl. No. 29/522,835, Non Final Office Action mailed Jun. 14, 2016", 6 pgs.
 Nagayasu, Daiki, et al., "Cable Tie", U.S. Appl. No. 29/522,835, filed Apr. 2, 2015, 14 pgs.

* cited by examiner

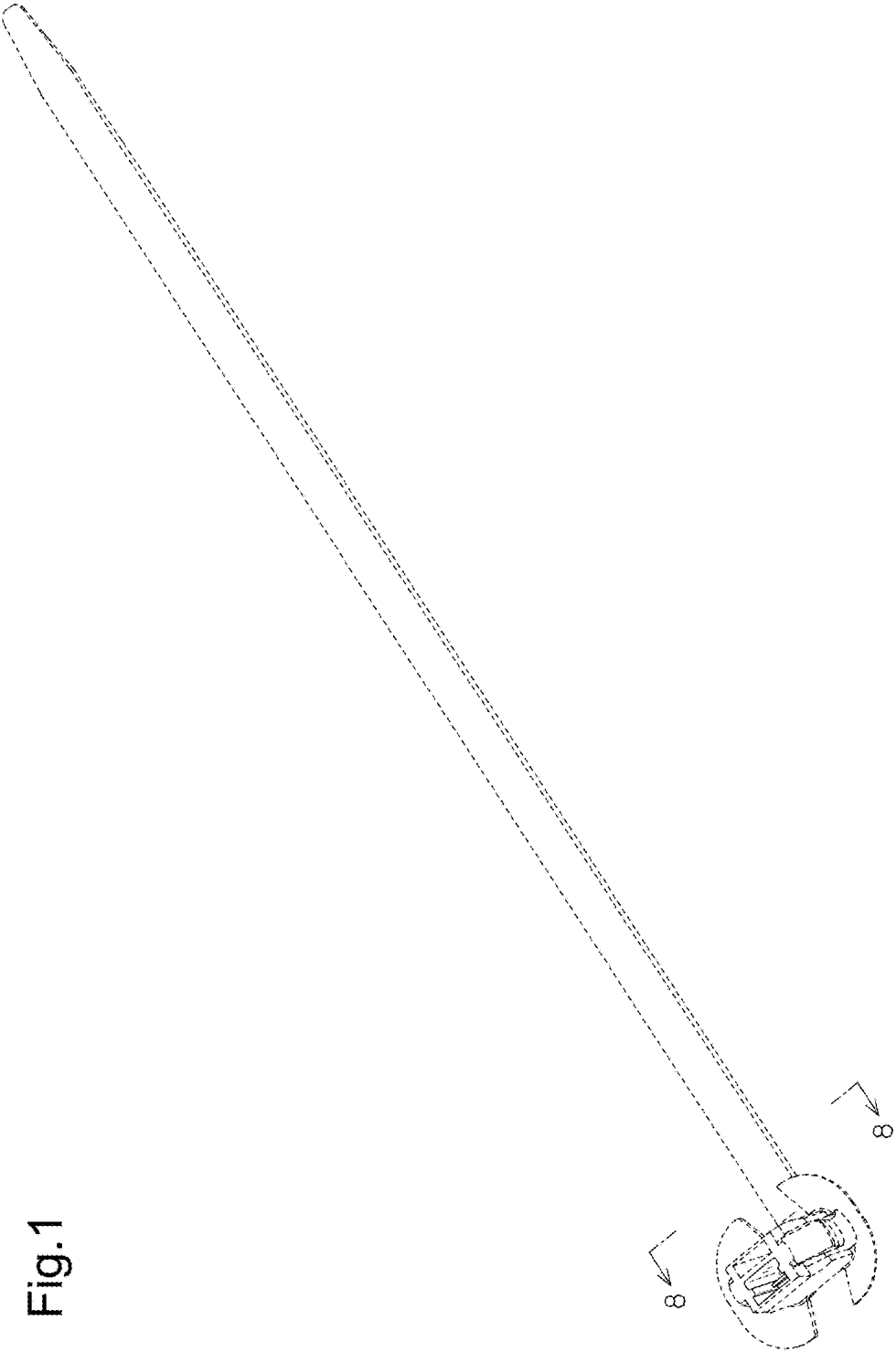


Fig.1



Fig. 2

Fig.3

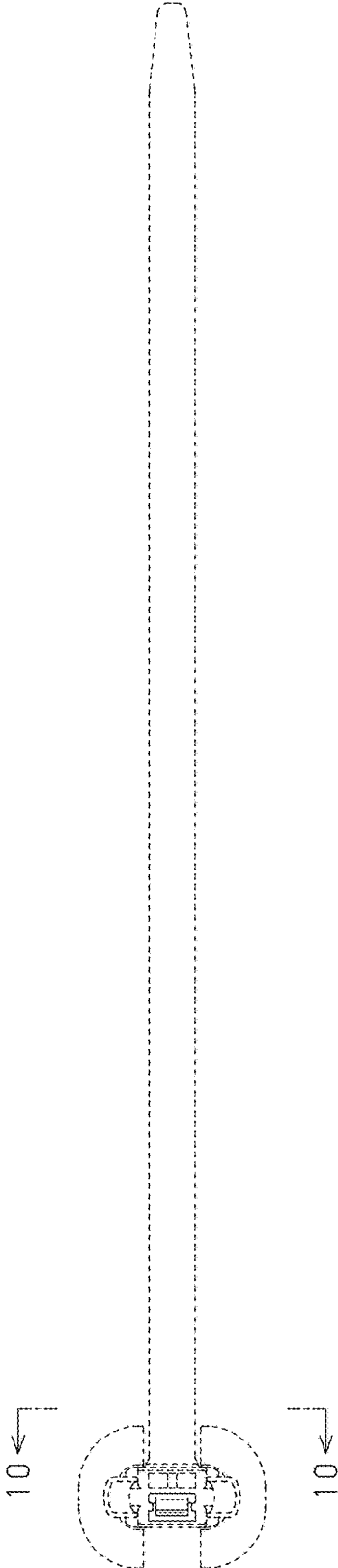


Fig.4

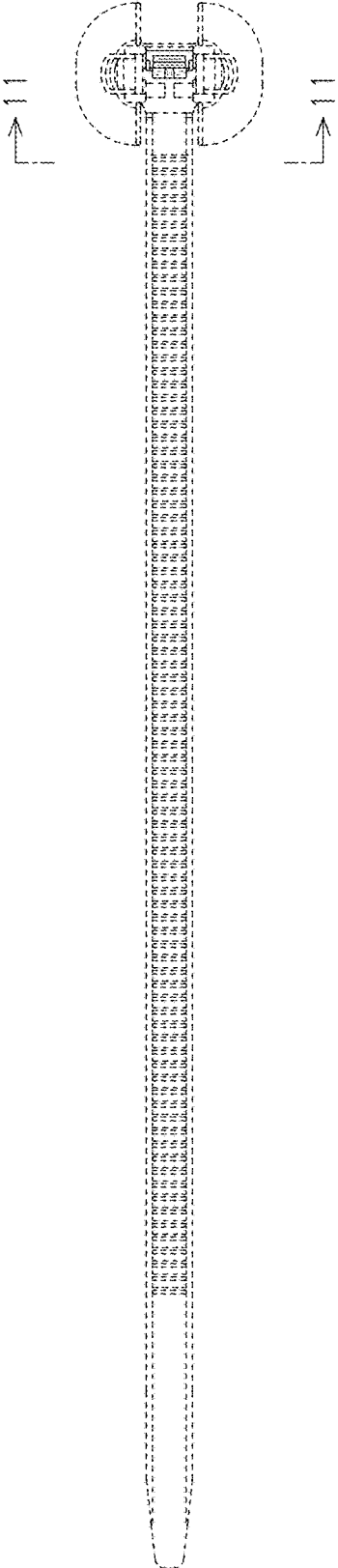


Fig.5

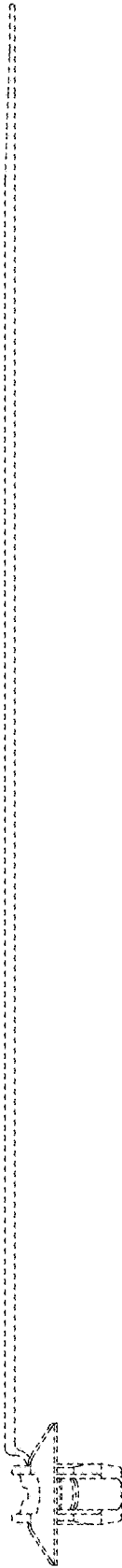


Fig.6

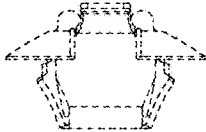
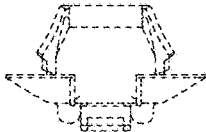


Fig.7



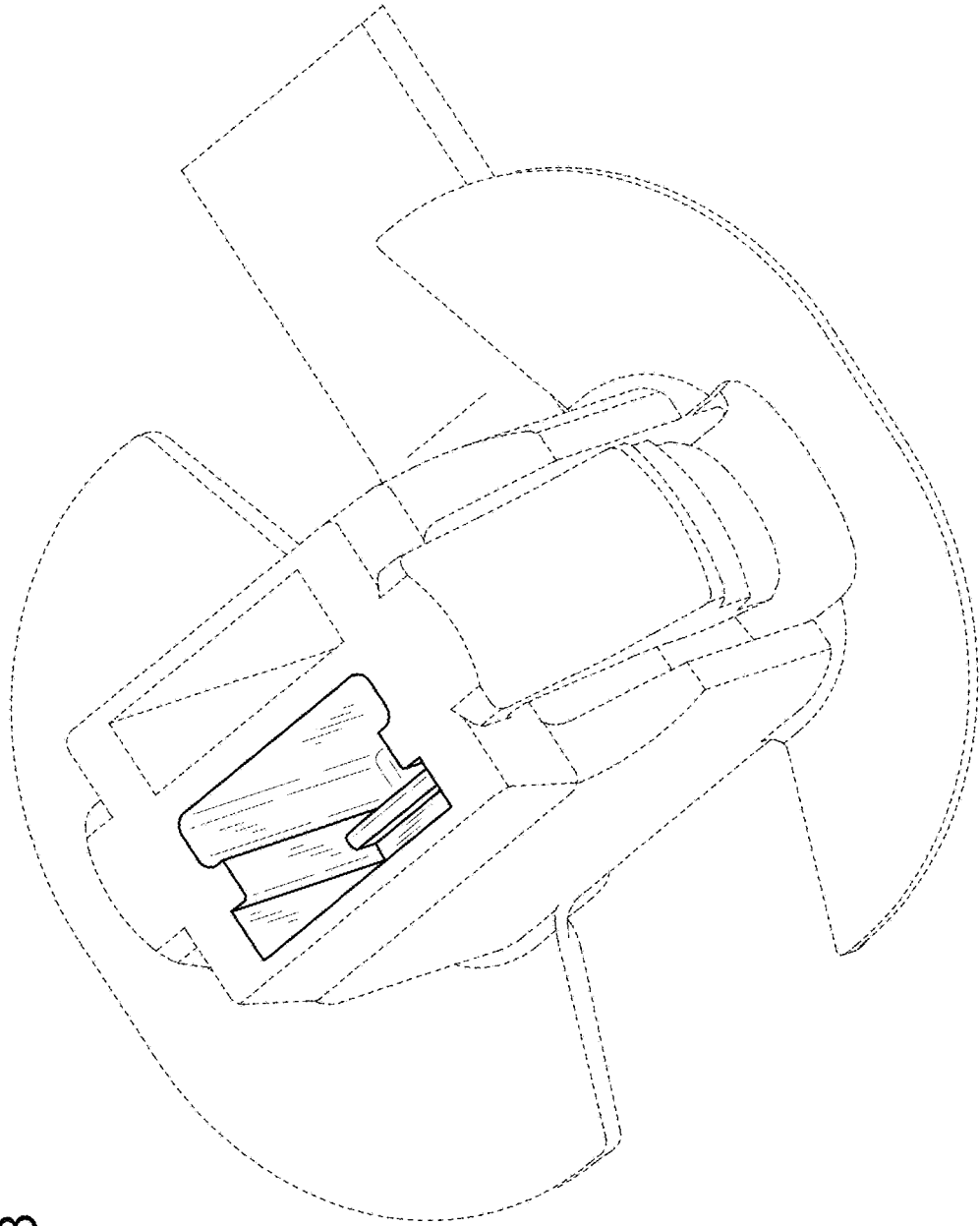


Fig.8

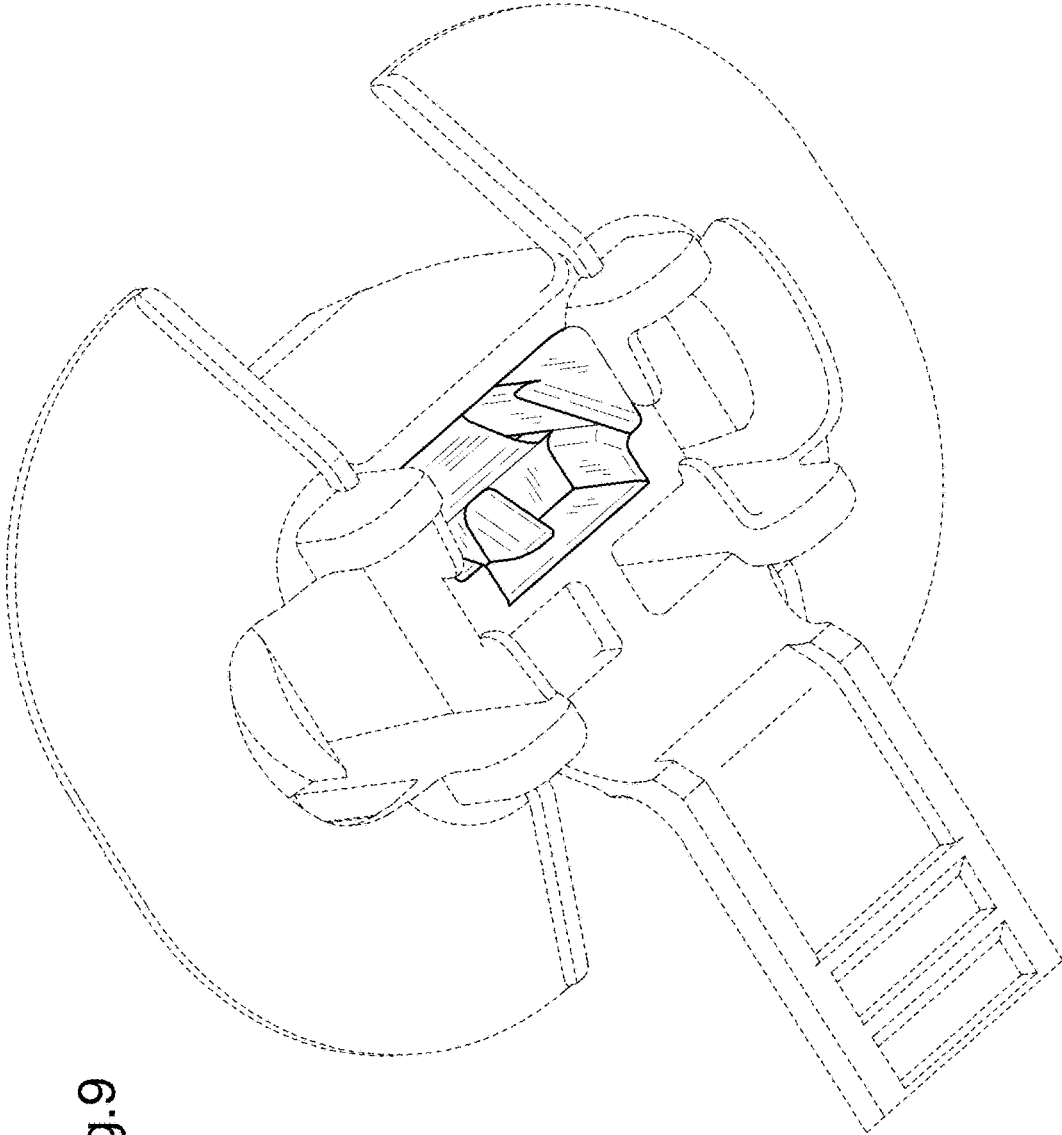


Fig.9

Fig.10

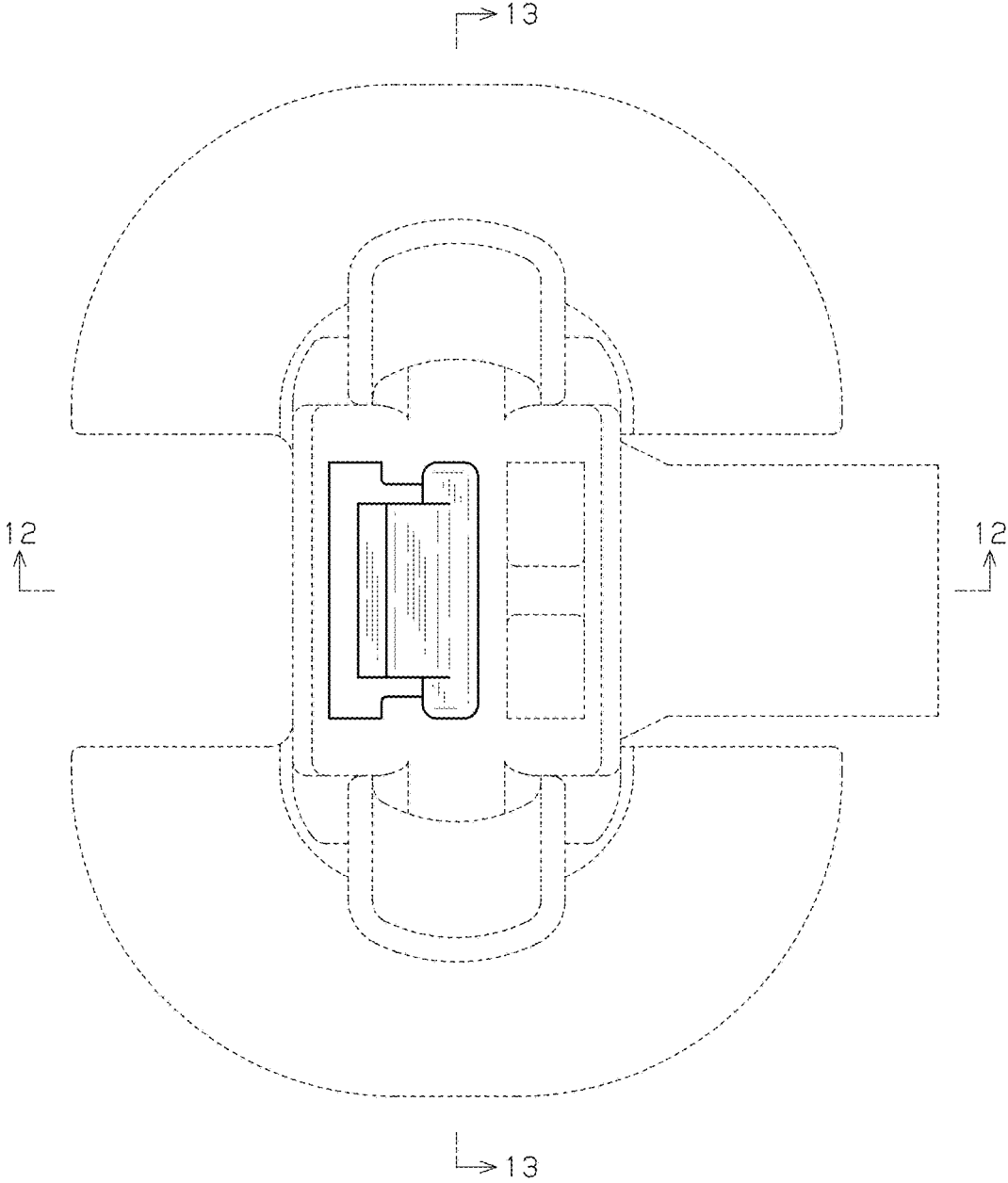


Fig.11

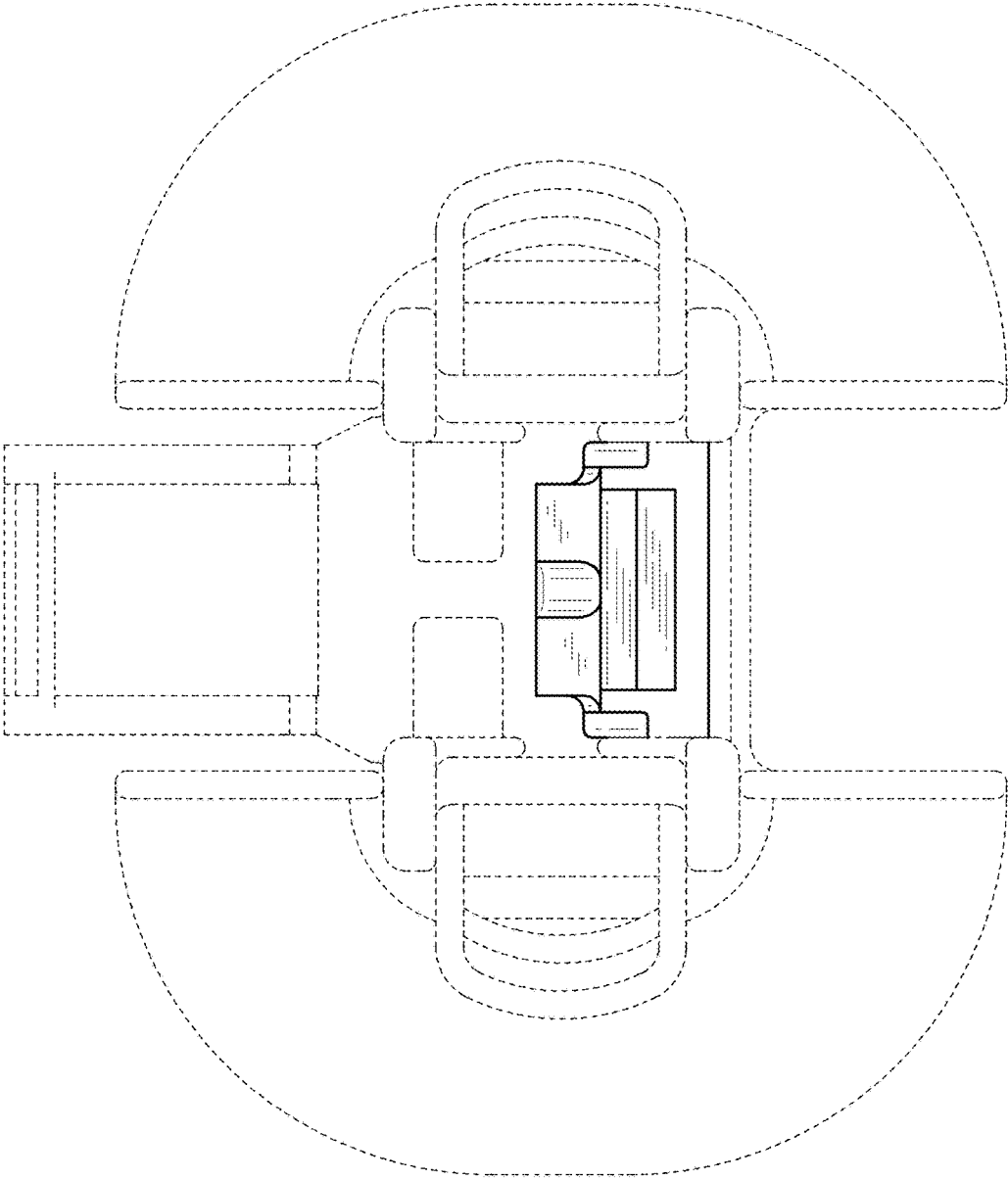


Fig.12

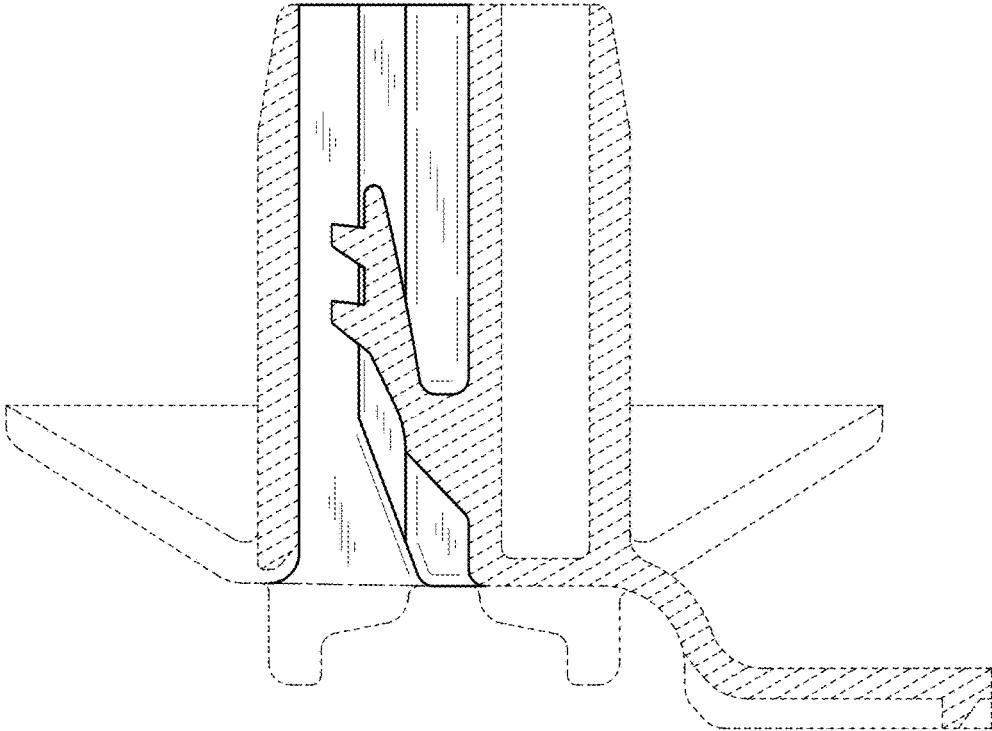


Fig.13

