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(12) United States Design Patent

Zhang

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(54) **PROTECTIVE COVER FOR A SUBDERMAL NEEDLE ELECTRODE CABLE ASSEMBLY**

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(51) **LOC (10) Cl.** **24-01**

(52) **U.S. Cl.**
USPC **D24/187**

(58) **Field of Classification Search**
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CPC .. A61B 5/6848; A61B 5/0492; A61B 5/0478; A61B 5/04; A61B 18/1492; H02G 71/00; A61K 9/0019; F16B 21/076; E16B 37/043; E16B 37/005; E16B 5/0258
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,869,958	A *	3/1975	Murayama	F16B 21/076	411/15
3,933,076	A *	1/1976	Tanaka	F16B 37/043	411/15
D252,104	S *	6/1979	Nagy	D10/57	
4,743,152	A *	5/1988	Nakayama	F16B 37/005	411/182
D296,761	S *	7/1988	Mockett	379/438	
D297,570	S *	9/1988	Ambrose	D24/130	
D336,132	S *	6/1993	Pierce	D24/130	
D364,084	S *	11/1995	Yaich	D8/356	
D370,622	S *	6/1996	Byrne	D8/356	
5,593,262	A *	1/1997	Gedeon	F16B 37/043	411/182
D406,748	S *	3/1999	Byrne	D8/356	
D409,475	S *	5/1999	Byrne	D8/356	
D418,222	S *	12/1999	Pellow	D24/112	
D460,821	S *	7/2002	Morrell	D24/138	
D464,873	S *	10/2002	Nemoto	D8/382	
D500,134	S *	12/2004	Banks	D24/138	
D501,877	S *	2/2005	Granick	D19/186	
7,008,159	B2 *	3/2006	Dendo	F16B 5/0258	411/182
D524,372	S *	7/2006	Granick	D19/204	
D529,793	S *	10/2006	Kuroda	D8/382	
D620,107	S *	7/2010	Bartlett	D24/112	
D635,668	S *	4/2011	Bartlett	D24/112	
D641,609	S *	7/2011	Yagame	D8/354	
D647,387	S *	10/2011	Pawluk	D8/356	
8,079,982	B1 *	12/2011	Ponzi	A61B 18/1492	604/115
D652,918	S *	1/2012	Egli	D24/130	
D693,003	S *	11/2013	Wang	D24/130	
D694,881	S *	12/2013	Gonzales	D24/130	
D696,574	S *	12/2013	Caterinacci	D8/382	
D703,587	S *	4/2014	Wen	D12/114	
D707,532	S *	6/2014	Stangl	D8/356	
2008/0171948	A1 *	7/2008	Broder	A61B 5/6848	600/544
2009/0036765	A1 *	2/2009	Espenhain	A61B 5/0492	600/373
2011/0105876	A1 *	5/2011	Zhang	A61B 5/0478	600/373
2011/0218416	A1 *	9/2011	Lauer	A61B 5/04	600/377
2015/0126842	A1 *	5/2015	Padalino	A61B 5/0492	600/377
2015/0258120	A1 *	9/2015	Zarnitsyn	A61K 9/0019	604/506

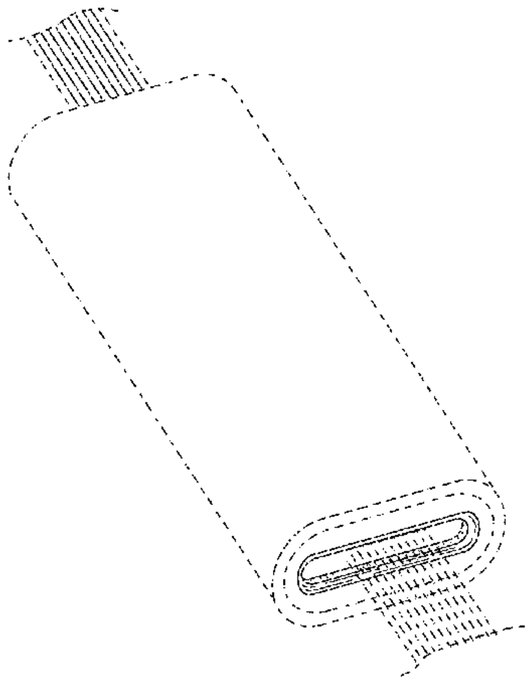
OTHER PUBLICATIONS

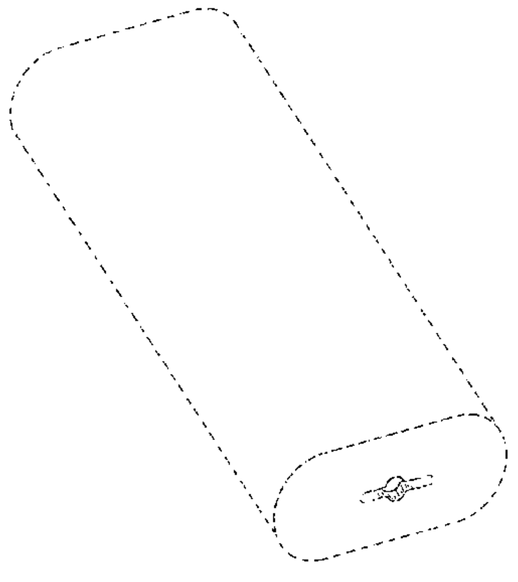
http://www.flighthelmet.com/pages/hp/hpitempage/hgup141.htm. Flighthelmite.com webpage for HGUP141 Grommet Set dated by Internet Archive 9 times between Jun. 14, 2003 and Aug. 8, 2009 as seen on https://web.archive.org/web/*/http:/www.flighthelmet.com/pages/hp/hpitempage/hgup141.htm.*

http://fepatex.com/oval-eyelets-tourniquets. Fepatex.com webpage for Oval Eyelets and Tourniquets dated by Internet Archive 3 times between May 3, 2012 and Jul. 4, 2012 as seen on https://web.archive.org/web/*/http:/fepatex.com/oval-eyelets-tourniquets.*

http://www.steelerubber.com/fuel-line-grommet-30-0045-41. Steel Rubber Products webpage for Fuel Line Grommet. Copyright © 1994-2015.*

http://www.gibson-barnes.com/prod-294486/Hgu84-Oblong-Grommet.html. Gibson & Barnes Premiere Outfitters webpage for





HGU-84 Oblong Grommet. The Grommet is a replacement part for an older model U.S Helicopter Pilot Helmet.*

* cited by examiner

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(57) **CLAIM**

The ornamental design for a protective cover for a subdermal needle electrode cable assembly, as shown and described.

DESCRIPTION

FIG. **1** is a front top perspective view of a protective cover for a subdermal needle electrode cable assembly in accordance with a first embodiment of the present invention with a cable portion of the subdermal needle electrode cable assembly shown for environmental context;

FIG. **2** is a front top perspective view of the protective cover shown in FIG. **1**, wherein a front bottom view of the protective cover shown in FIG. **1** is a mirror image of FIG. **2**;

FIG. **3** is a rear top perspective view of protective cover shown in FIG. **1**, wherein a rear bottom view of the protective cover shown in FIG. **1** is a mirror image of FIG. **3**;

FIG. **4** is a top view of the protective cover shown in FIG. **1**, wherein a bottom view of the protective cover shown in FIG. **1** is a mirror image of FIG. **4**;

FIG. **5** is a left side view of the protective cover shown in FIG. **1**, wherein a right side view of the protective cover shown in FIG. **1** is a mirror image of FIG. **5**;

FIG. **6** is a front end face view of the protective cover shown in FIG. **1**, wherein a front end face hole is shown extending through a front end wall of the protective cover shown in FIG. **1**;

FIG. **7** is a rear end face view of the protective cover shown in FIG. **1**, wherein a rear end face hole is shown extending through a rear end wall of the protective cover shown in FIG. **1**;

FIG. **8** is a rear top perspective view of a protective cover for a subdermal needle electrode cable assembly in accordance with a second embodiment of the present invention, wherein a front top perspective view, a front bottom perspective view, a top view, a bottom view, a left side view and a right side view of the protective cover shown in FIG. **8** are each the same as a corresponding one of the front top perspective view, the front bottom perspective view, the top view, the bottom view, the left side view and the right side view shown and/or described in reference to FIGS. **1**, **2**, **4** and **5**;

FIG. **9** is a front end face view of the protective cover shown in FIG. **8**, wherein a front end face hole is shown extending through a front end wall of the protective cover shown in FIG. **8**;

FIG. **10** is a rear end face view of the protective cover shown in FIG. **8**, wherein a rear end face hole is shown extending through a rear end wall of the protective cover shown in FIG. **8**;

FIG. **11** is a rear top perspective view of a protective cover for a subdermal needle electrode cable assembly in accordance with a third embodiment of the present invention, wherein a front top perspective view, a front bottom perspective view, a top view, a bottom view, a left side view and a right side view of the protective cover shown in FIG. **11** are each the same as a corresponding one of the front top perspective view, the front bottom perspective view, the top view, the bottom view, the left side view and the right side view shown and/or described in reference to FIGS. **1**, **2**, **4** and **5**;

FIG. **12** is a front end face view of the protective cover shown in FIG. **11**, wherein a front end face hole is shown extending through a front end wall of the protective cover shown in FIG. **11**; and,

FIG. **13** is a rear end face view of the protective cover shown in FIG. **11**, wherein a rear end face hole is shown extending through a rear end wall of the protective cover shown in FIG. **11**.

The broken lines showing the cable portion of the subdermal needle electrode cable assembly in FIG. **1** and the broken lines of the protective cover in FIGS. **1-13** are for illustrative purposes only and form no part of the claimed design.

1 Claim, 5 Drawing Sheets

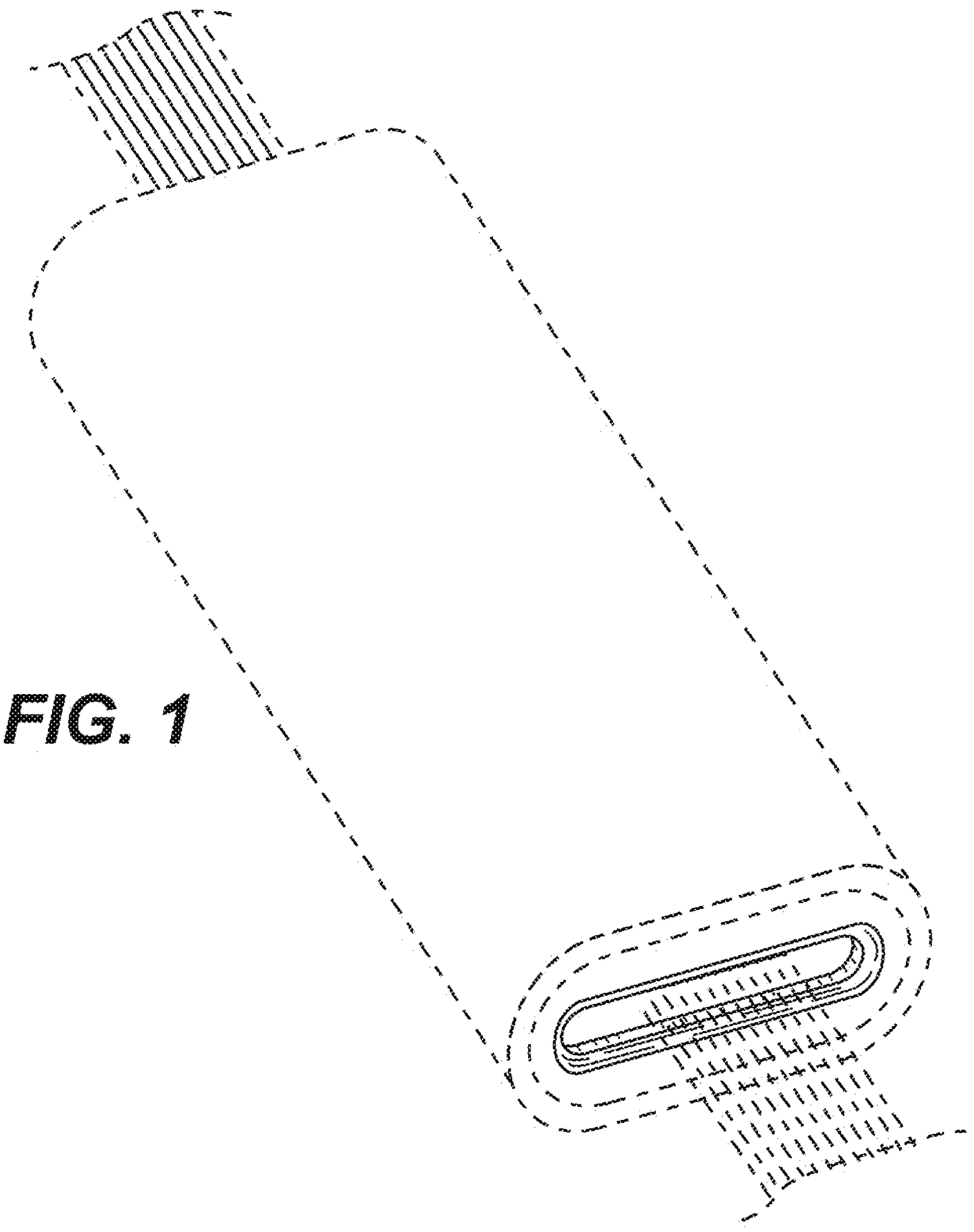


FIG. 1

FIG. 2

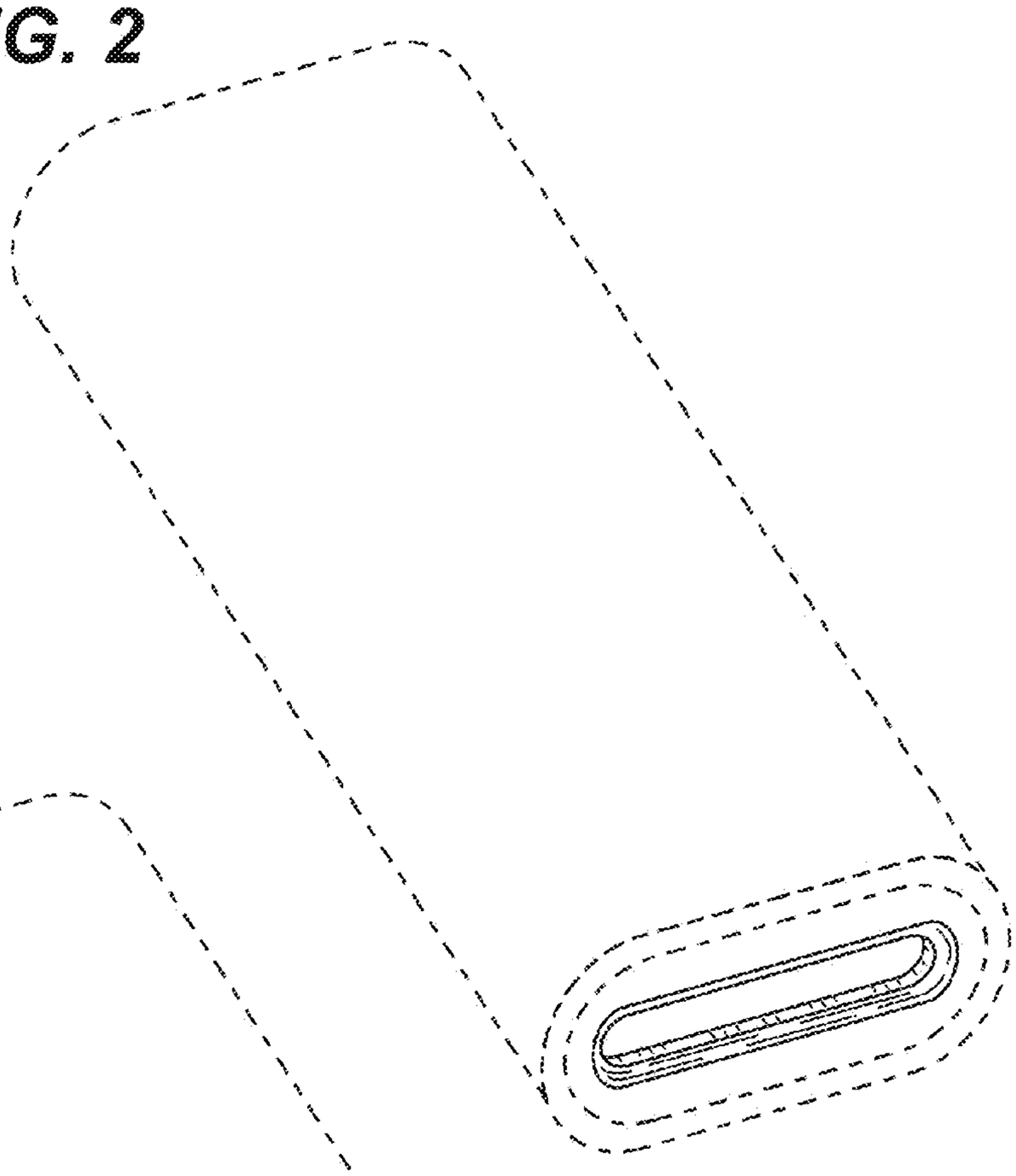


FIG. 3

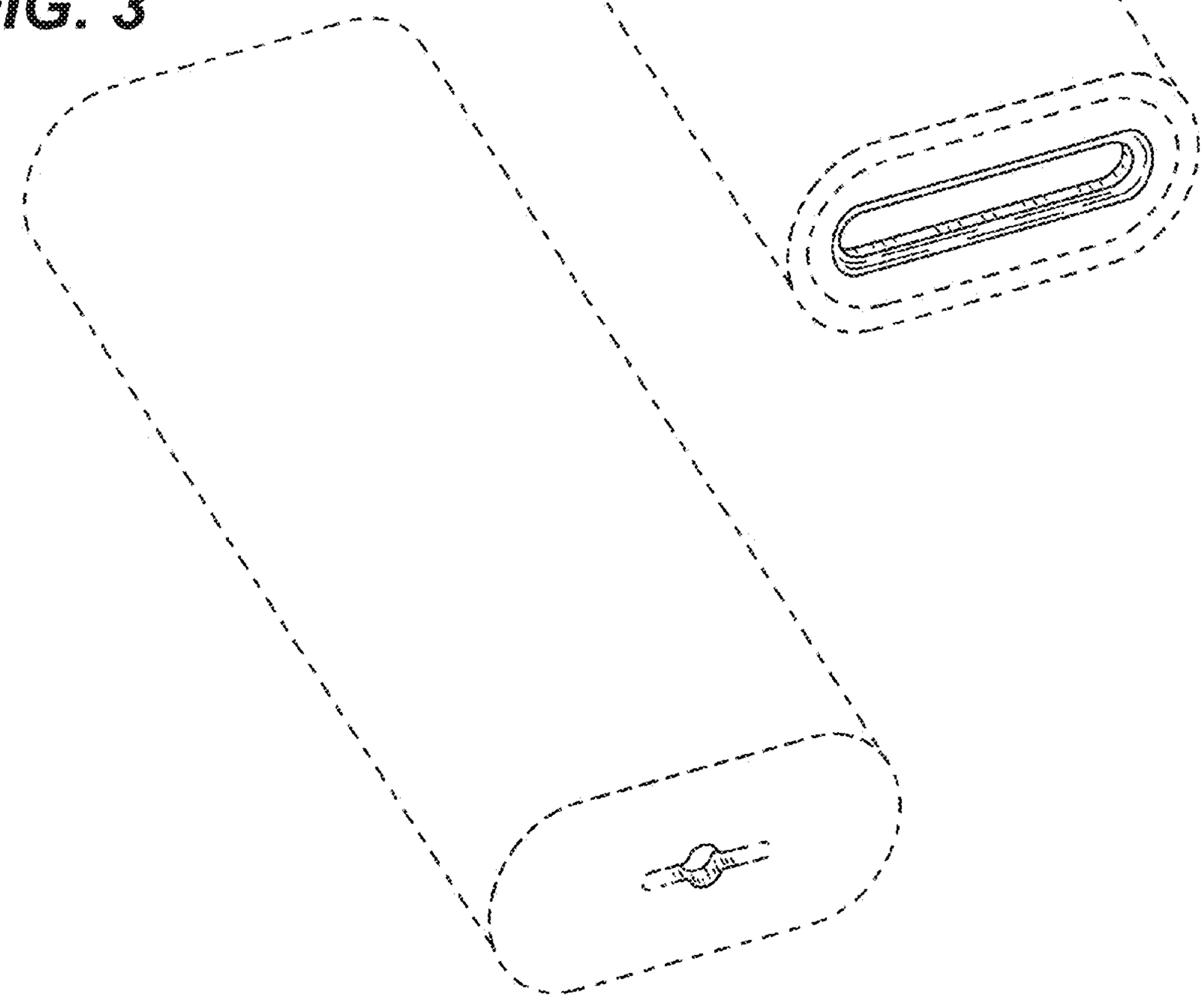


FIG. 4

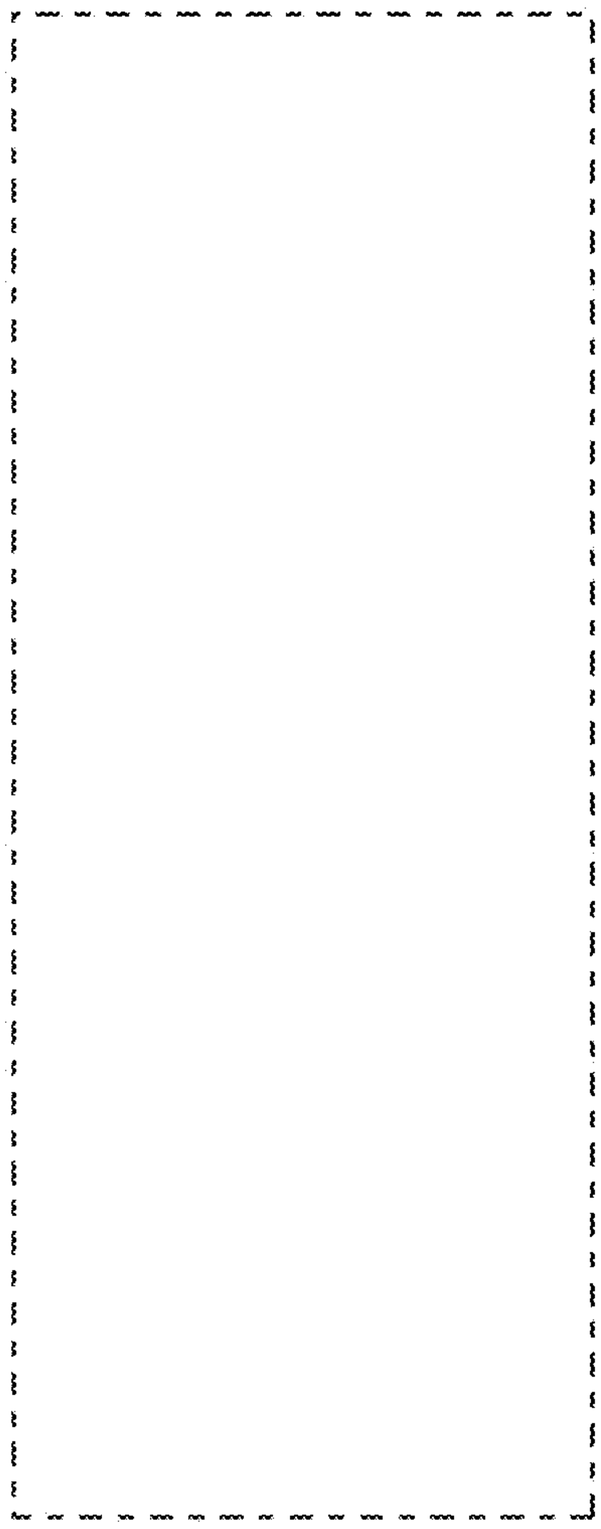


FIG. 5

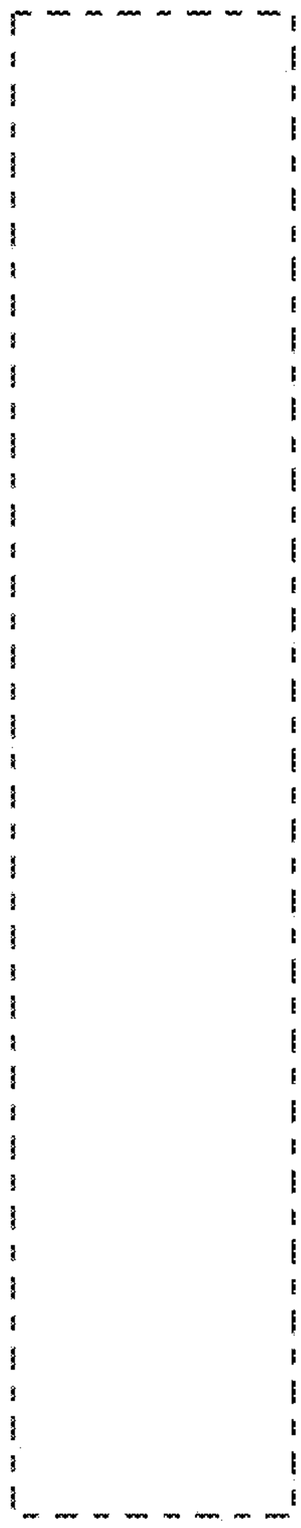


FIG. 6

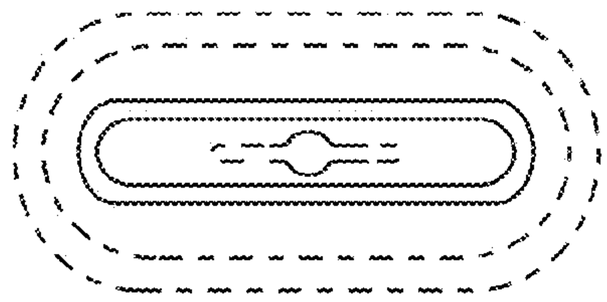


FIG. 7

FIG. 8

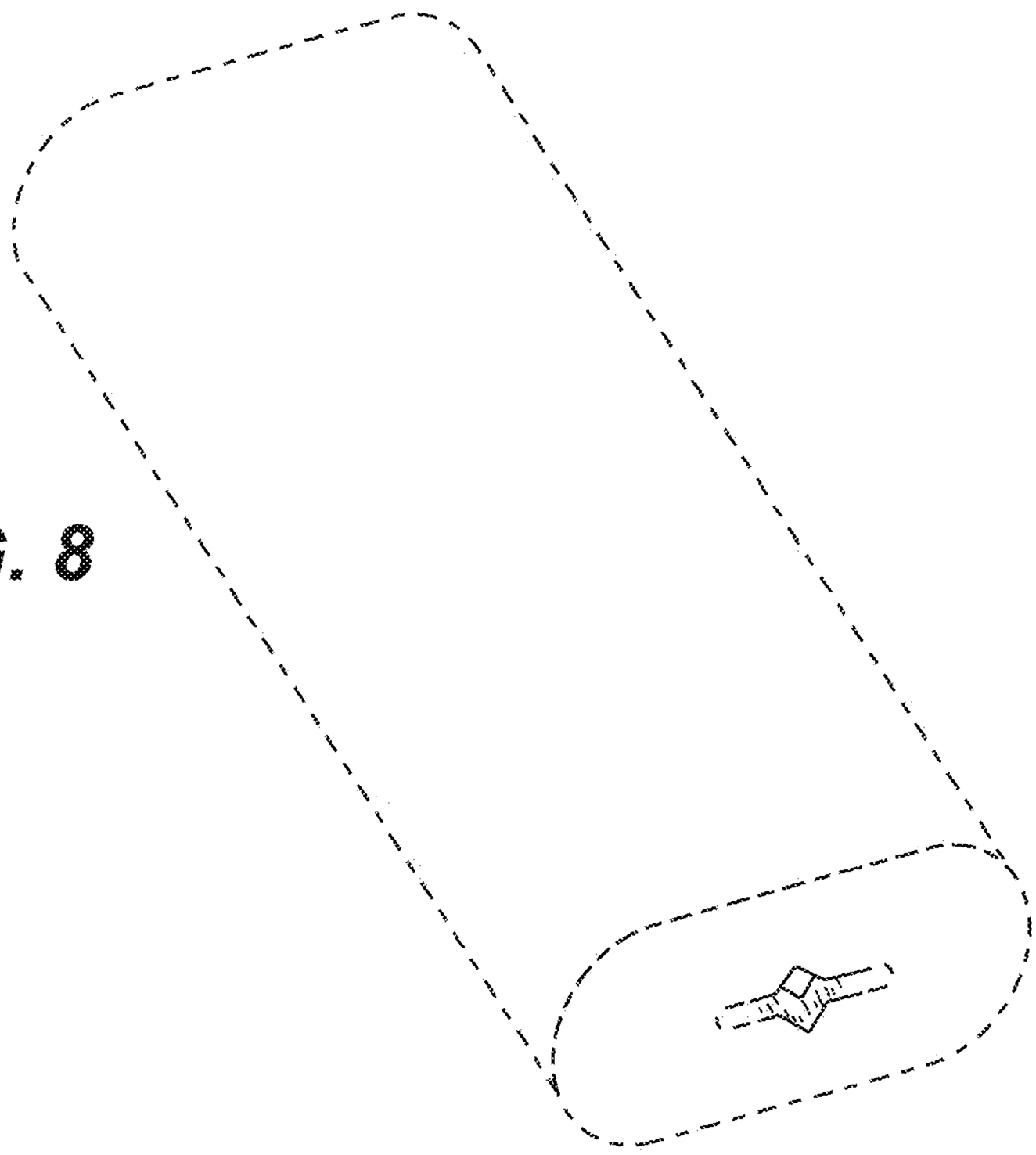


FIG. 9

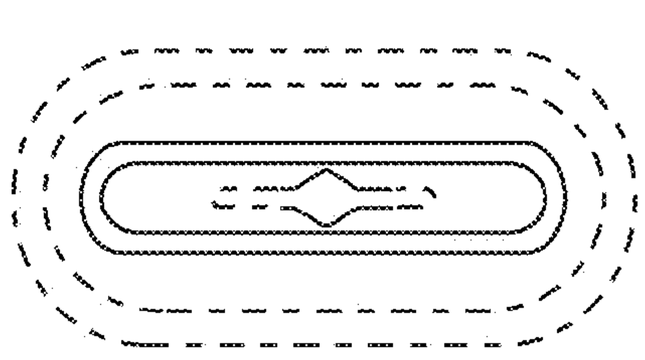
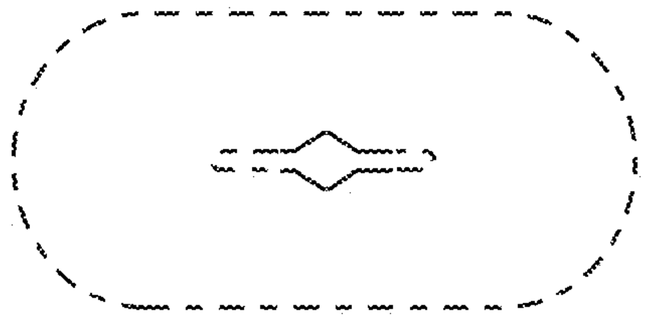


FIG. 10



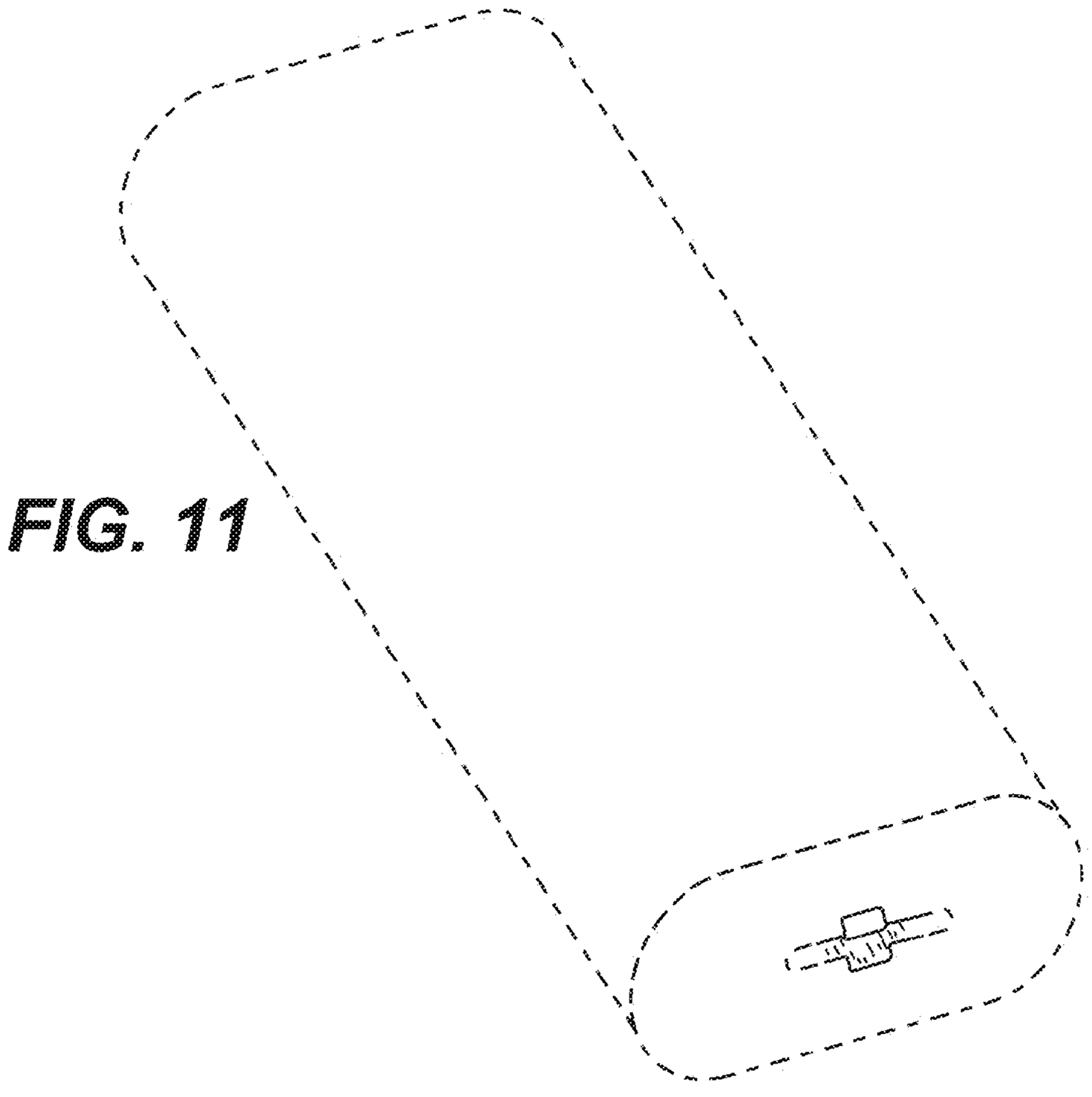


FIG. 11

FIG. 12

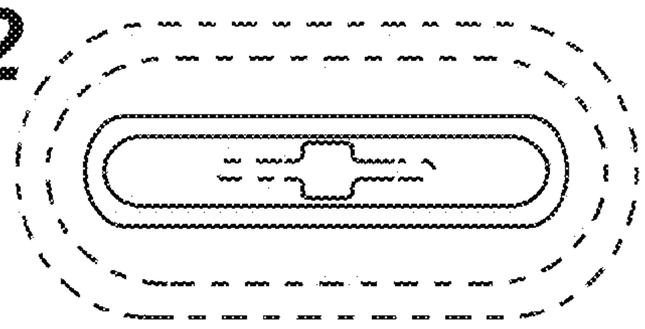


FIG. 13