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(12) **United States Design Patent** (10) **Patent No.:** **US D959,845 S**
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(54) **TRACKING MODULE FOR AN ORAL CARE IMPLEMENT**

(56) **References Cited**

U.S. PATENT DOCUMENTS

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4,989,287 A	2/1991	Scherer
5,054,154 A	10/1991	Schiffer et al.
5,697,117 A	12/1997	Craft
5,974,615 A	11/1999	Schwarz-Hartmann et al.
5,987,681 A	11/1999	Hahn et al.
6,090,488 A	7/2000	Kweon
6,464,920 B1	10/2002	Kramer
6,599,048 B2	7/2003	Kuo
6,764,142 B2	7/2004	Kwon
6,802,097 B2	10/2004	Haefliger et al.
6,821,119 B2	11/2004	Shortt et al.
6,836,917 B2	1/2005	Blaustein et al.

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

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FOREIGN PATENT DOCUMENTS

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CN	100364472	1/2008
CN	303857368	6/2016

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Related U.S. Application Data

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Primary Examiner — Wan Laymon
Assistant Examiner — Clint A Samuel

(51) **LOC (13) Cl.** **04-02**

(57) **CLAIM**

(52) **U.S. Cl.**
USPC **D4/102**

The ornamental design for a tracking module for an oral care implement, as shown and described.

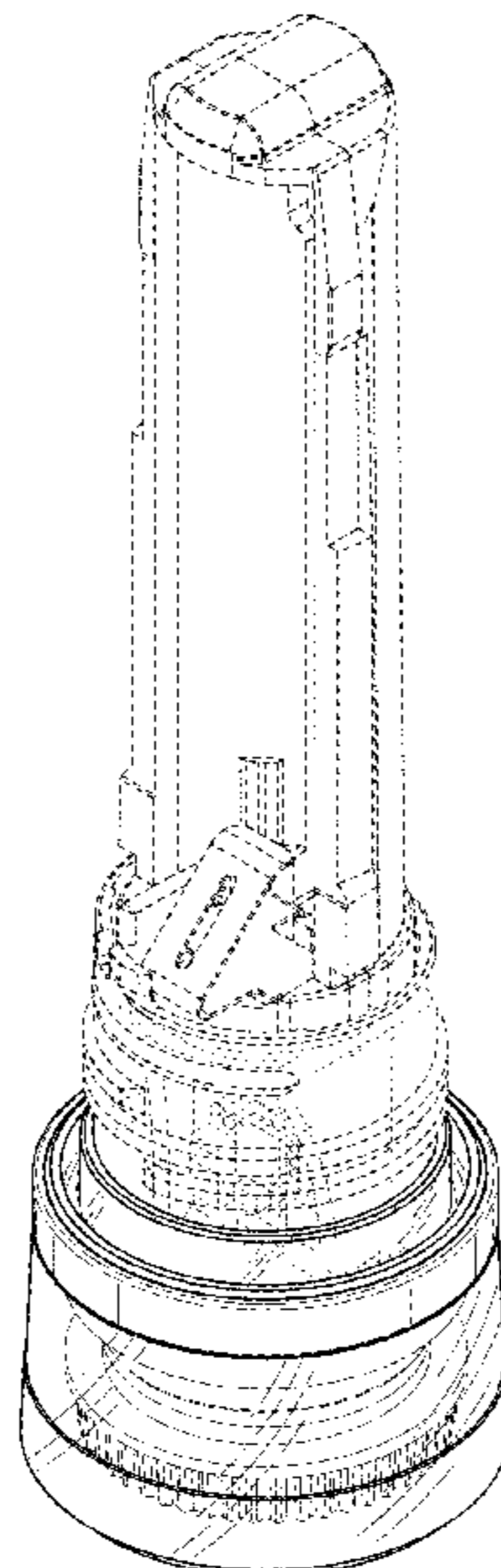
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DESCRIPTION

FIG. 1 is a front right perspective view of a tracking module for an oral care implement according to the new design; FIG. 2 is a front view thereof; FIG. 3 is a rear view thereof; FIG. 4 is a right side view thereof; FIG. 5 is a left side view thereof; FIG. 6 is an enlarged top view thereof; and, FIG. 7 is an enlarged bottom view thereof. The broken lines illustrate portions of the article that form no part of the claimed design.

See application file for complete search history.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

6,895,625 B2 5/2005 Lev et al.
 6,920,659 B2 7/2005 Cacka et al.
 6,968,590 B2 11/2005 Ponzini
 7,086,111 B2 8/2006 Hilscher et al.
 7,162,764 B2 1/2007 Drossler et al.
 7,240,390 B2 7/2007 Pfenniger et al.
 7,419,225 B2 9/2008 Fischer et al.
 7,636,976 B2 12/2009 Banning
 7,761,947 B2 7/2010 Blaustein et al.
 7,765,629 B2 8/2010 Kressner
 7,845,041 B2 12/2010 Gatzemeyer et al.
 7,917,982 B2 4/2011 Kressner et al.
 7,975,344 B2 7/2011 Braun et al.
 8,060,970 B2 11/2011 Solanki
 8,089,227 B2 1/2012 Baertschi et al.
 8,172,337 B2 5/2012 Kwon et al.
 8,209,808 B2 7/2012 Kressner
 8,256,055 B2 9/2012 Kressner
 8,272,091 B2 9/2012 Hwang et al.
 8,288,970 B2 10/2012 Miller et al.
 8,333,436 B2 12/2012 Kwon et al.
 8,418,300 B2 4/2013 Miller et al.
 8,499,851 B2 8/2013 Hata
 8,512,611 B2 8/2013 Kang et al.
 8,544,132 B2 10/2013 Gatzemeyer et al.
 8,584,299 B2 11/2013 Chan et al.
 8,590,092 B2 11/2013 Dickie
 8,595,881 B2 12/2013 Fritsch
 8,601,628 B2 12/2013 Barman
 8,656,548 B2 2/2014 Jungnickel et al.
 8,671,492 B2 3/2014 Kressner
 8,695,143 B2 4/2014 Kloster
 8,701,235 B2 4/2014 Kressner
 8,782,841 B2 7/2014 Sale et al.
 8,793,829 B2 8/2014 Shimoyama et al.
 8,806,691 B2 8/2014 Iwahori et al.
 8,863,344 B2 10/2014 Kloster
 8,938,839 B2 1/2015 Kitagawa et al.
 9,009,902 B2 4/2015 Kitagawa et al.
 9,084,659 B2 7/2015 Bovenkamp
 9,204,948 B2 12/2015 Kloster
 9,427,293 B2 8/2016 Haynes et al.
 9,561,092 B2 2/2017 Sauer et al.
 D780,456 S 3/2017 Shigeno et al.

9,655,435 B2 5/2017 Kraemer et al.
 D811,094 S * 2/2018 Sedic D4/111
 9,993,066 B2 6/2018 Bresselschmidt et al.
 10,376,347 B2 * 8/2019 Hall A61C 17/222
 D858,997 S * 9/2019 Okai D4/102
 D880,870 S * 4/2020 Greve D4/101
 D893,881 S * 8/2020 Okai D4/102
 10,786,339 B1 * 9/2020 Chapman A46B 5/0029
 D929,130 S * 8/2021 Okai D4/101
 11,141,252 B2 * 10/2021 Okai A46B 9/04
 2009/0013489 A1 1/2009 Binet et al.
 2010/0043156 A1 2/2010 Kressner
 2010/0223746 A1 9/2010 Mueller
 2010/0313371 A1 12/2010 Kaczmarek
 2014/0076633 A1 3/2014 Terracina et al.
 2015/0044629 A1 2/2015 Wang et al.
 2015/0113747 A1 4/2015 May et al.
 2015/0164625 A1 6/2015 Kressner
 2015/0335145 A1 11/2015 Bloch et al.
 2016/0081465 A1 3/2016 Metter
 2016/0143718 A1 5/2016 Serval et al.
 2017/0151044 A1 6/2017 Okai
 2017/0188836 A1 7/2017 Xi et al.
 2017/0273769 A1 9/2017 Dengler
 2018/0192765 A1 * 7/2018 Jeanne A46B 15/0038
 2019/0151058 A1 * 5/2019 Okai A46B 15/0006
 2020/0205951 A1 * 7/2020 Kleppen A61C 17/34
 2021/0401558 A1 * 12/2021 Okai A46B 15/0016

FOREIGN PATENT DOCUMENTS

CN 304124146 5/2017
 CN 304276474 9/2017
 EM 002012328-0002 3/2012
 EM 001333496-0001 6/2012
 EM 002218651-0001 4/2013
 EM 002218651-0002 4/2013
 WO 2001/032053 5/2001
 WO 2006/062187 6/2006
 WO 2008/053441 5/2008
 WO 2010/119688 10/2010
 WO 2010/142098 12/2010
 WO 2013/001462 1/2013
 WO 2016/174251 11/2016
 WO 2017/029469 2/2017

* cited by examiner

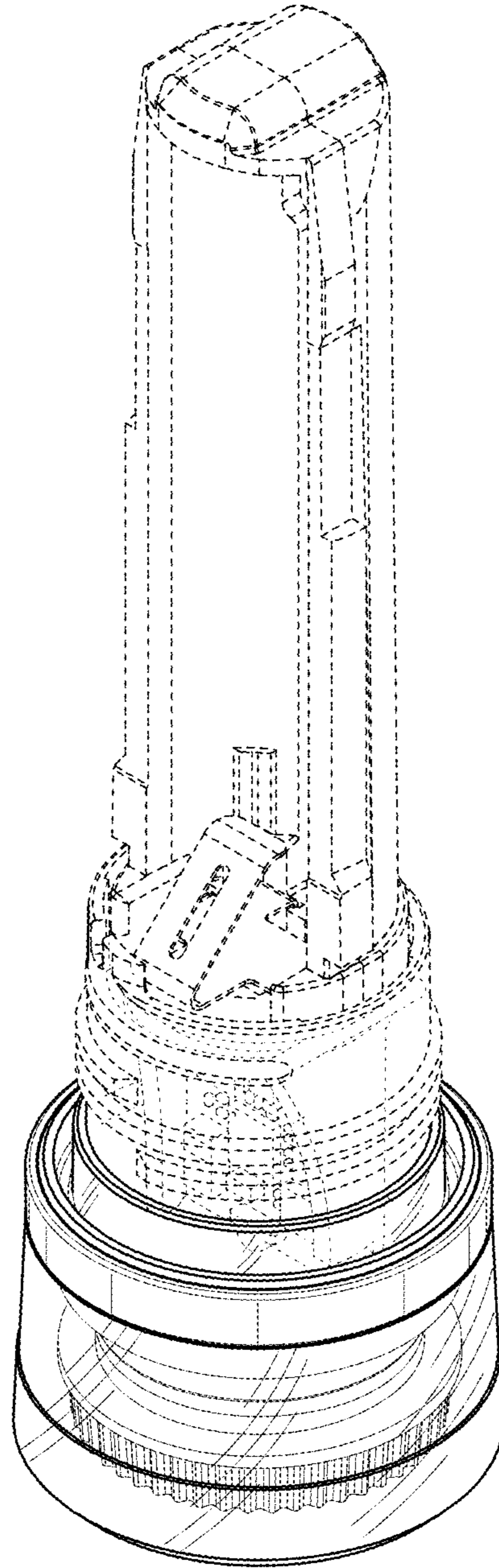


FIG. 1

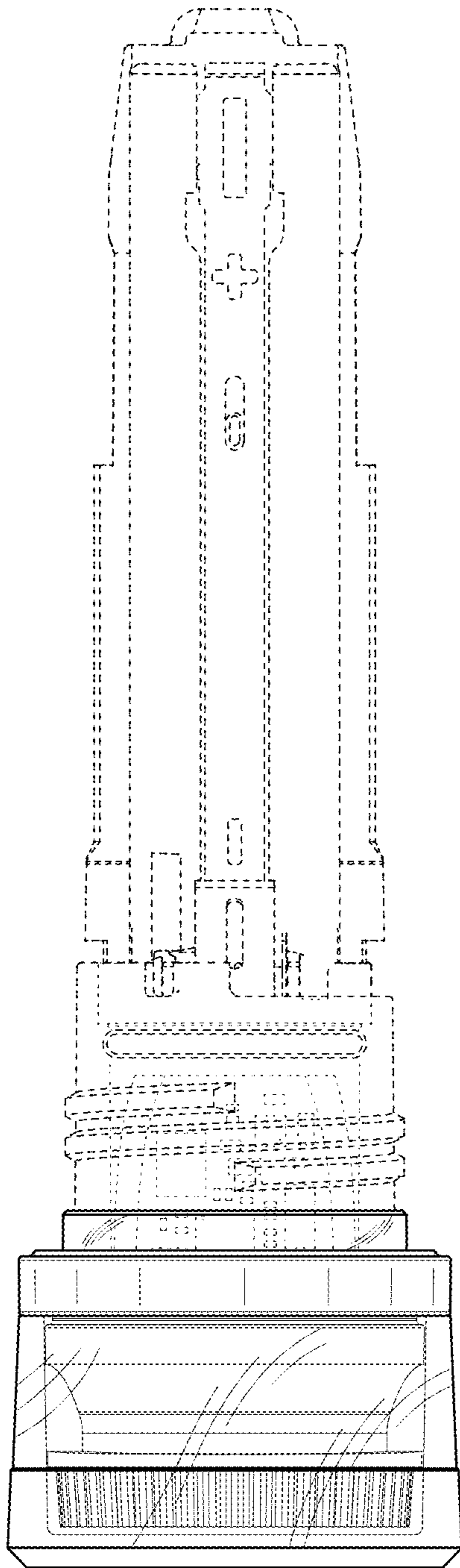


FIG. 2

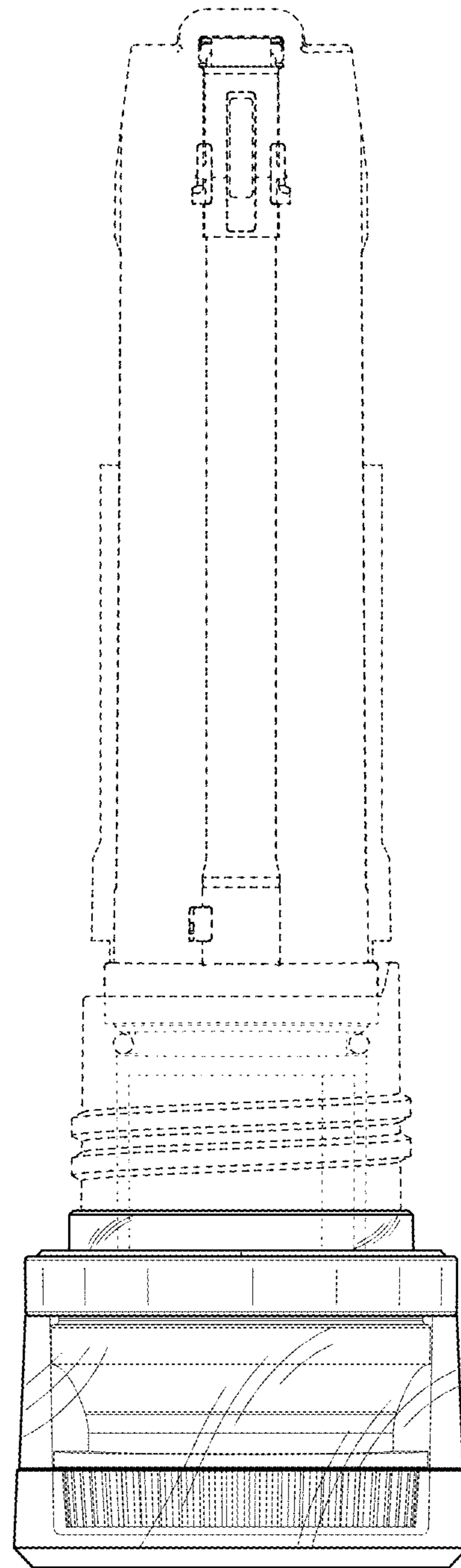


FIG. 3

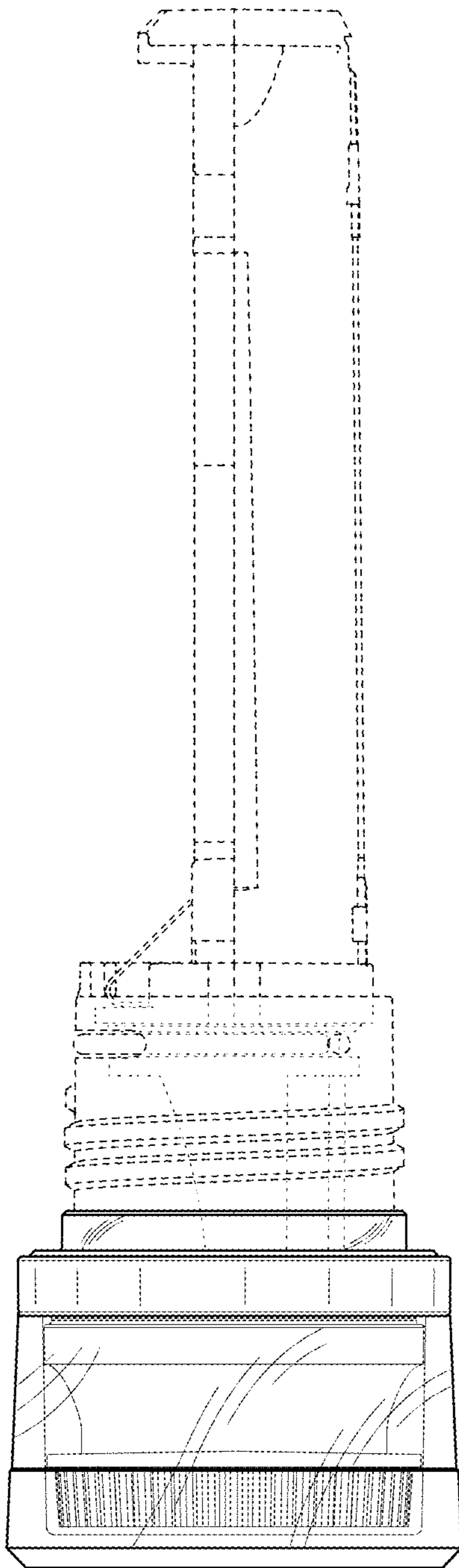


FIG. 4

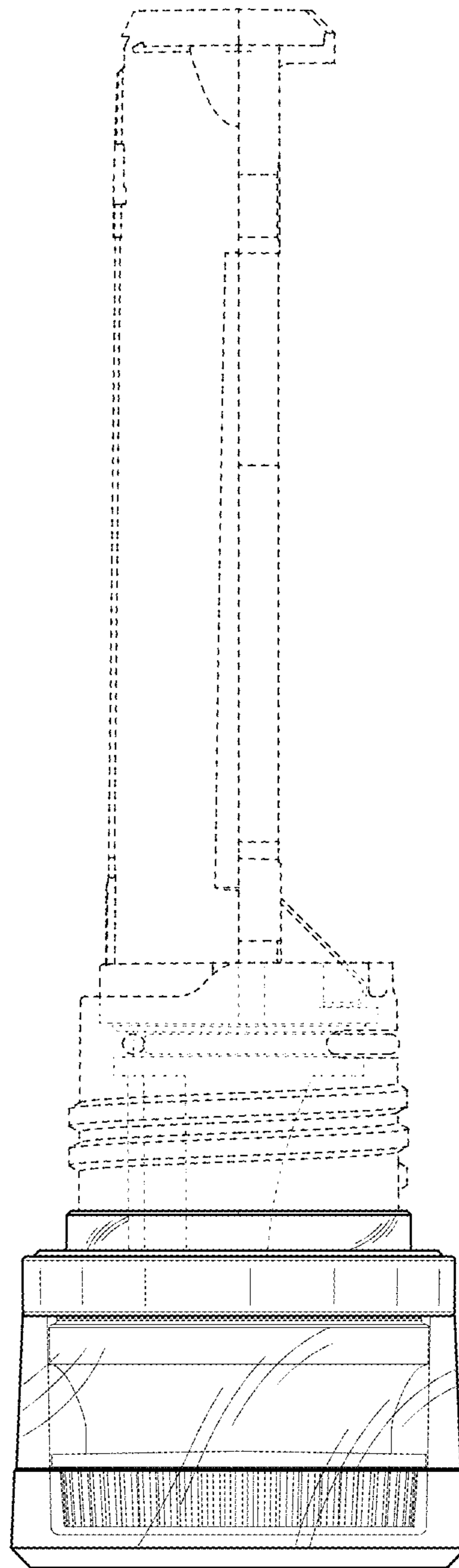


FIG. 5

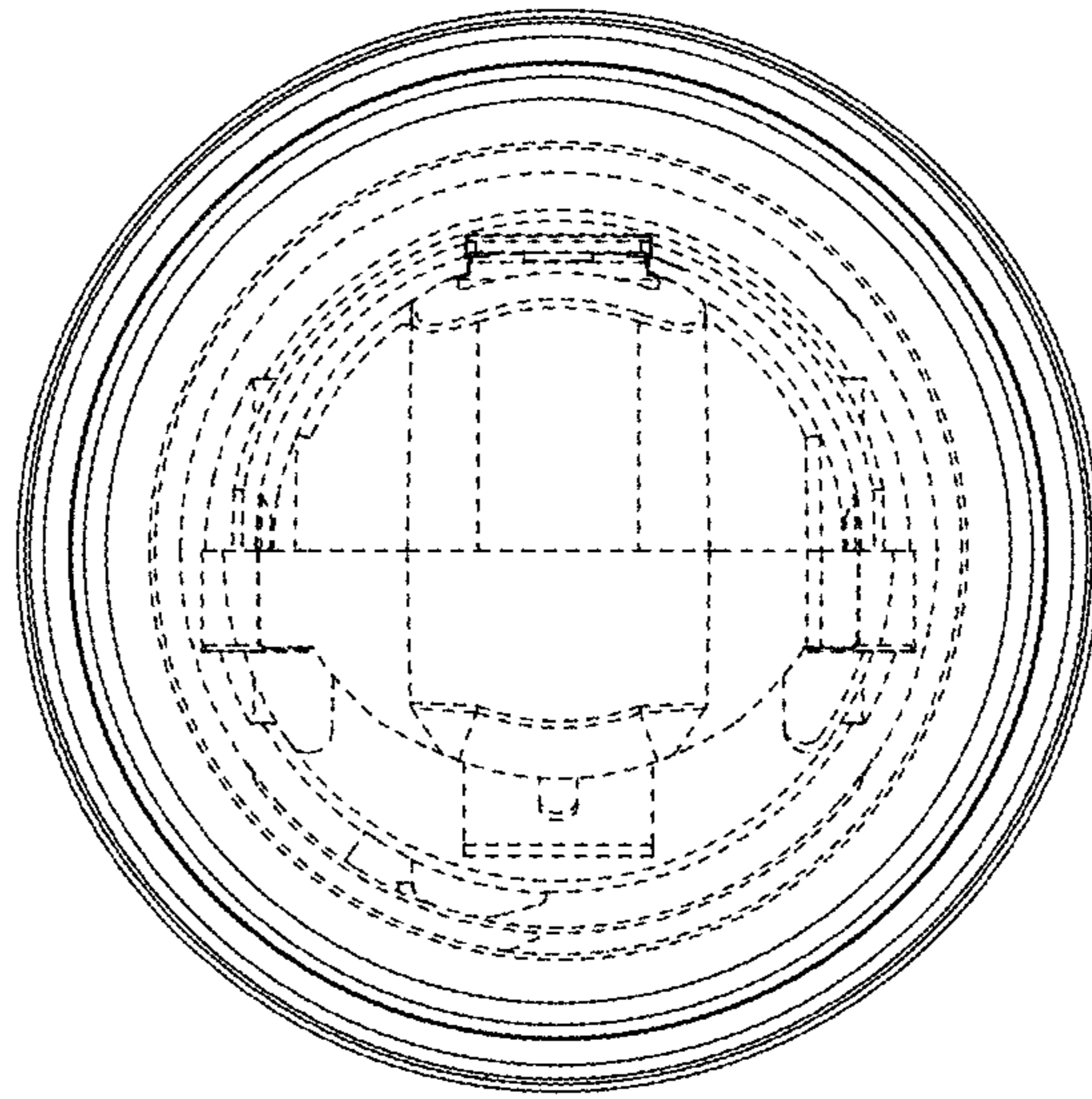


FIG. 6

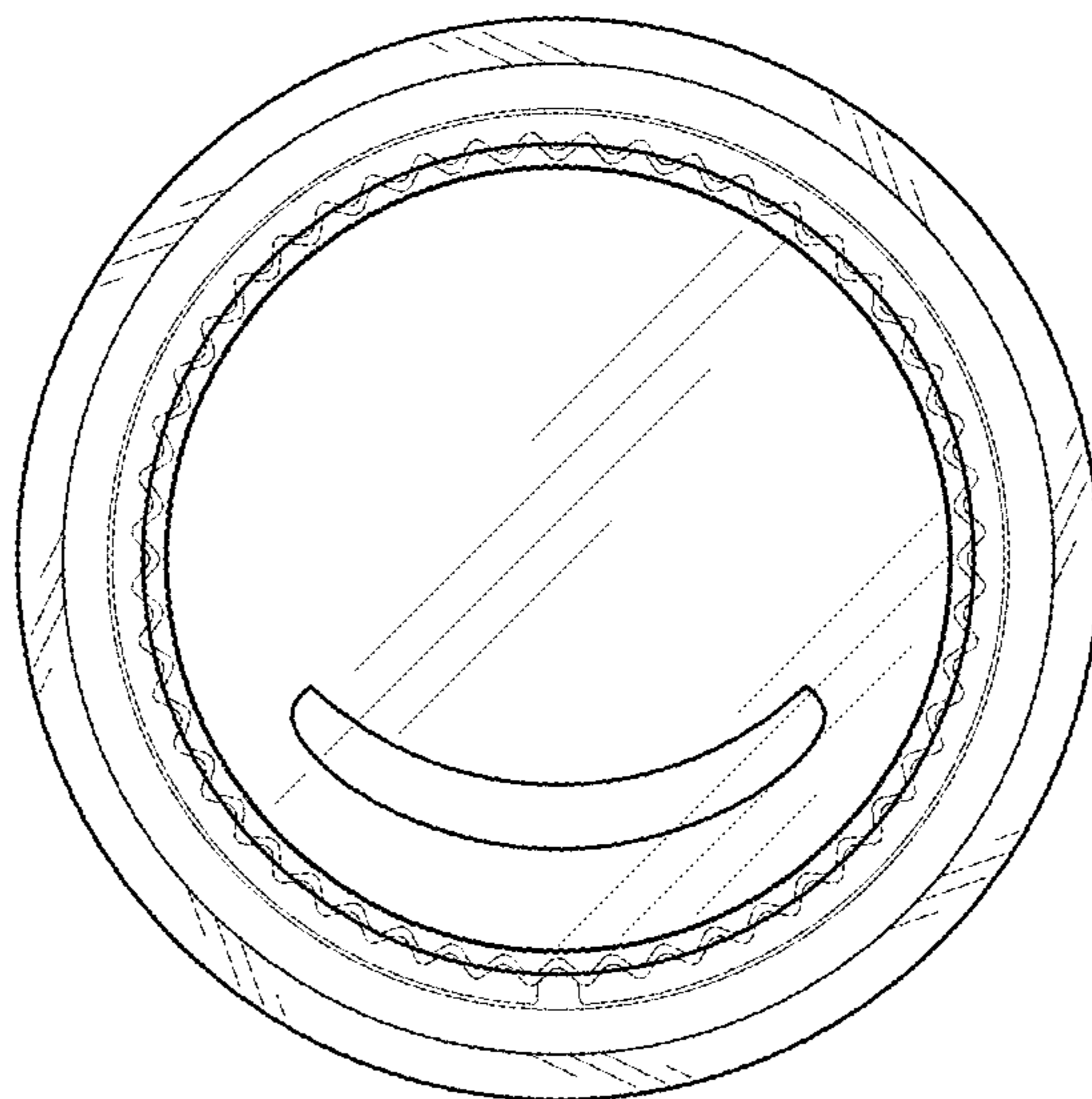


FIG. 7