



US00D989586S

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

(10) **Patent No.:** **US D989,586 S**
(45) **Date of Patent:** **** Jun. 20, 2023**

- (54) **ELECTRIC SCREWDRIVER**
- (71) Applicant: **Shanghai HOTO Technology Co., Ltd.**, Shanghai (CN)
- (72) Inventors: **Lidan Liu**, Shanghai (CN); **Xiaodong Liu**, Shanghai (CN); **Fei Lei**, Shanghai (CN)
- (73) Assignee: **SHANGHAI HOTO TECHNOLOGY CO., LTD.**, Shanghai (CN)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/804,055**
- (22) Filed: **Aug. 18, 2021**
- (30) **Foreign Application Priority Data**
Feb. 23, 2021 (CN) 202130102883.8
- (51) **LOC (14) Cl.** **08-05**
- (52) **U.S. Cl.**
USPC **D8/68**
- (58) **Field of Classification Search**
USPC D8/61, 69, 66, 68, 67, 70; D27/101, 172, D27/105, 107
CPC B25B 21/00; B25B 23/18; B25B 21/008; B25B 23/00; B25B 23/0064; B25B 23/14; B25F 5/02; Y10T 16/50; A61B 17/861; A61B 17/865; B25D 2250/221; B23B 2220/08
See application file for complete search history.

- (56) **References Cited**
U.S. PATENT DOCUMENTS
4,294,142 A * 10/1981 Sugahara B25B 23/00 81/57.37
4,936,171 A * 6/1990 Berg B25B 23/18 362/120
4,954,026 A * 9/1990 Zurwelle B23B 45/006 206/373

- 5,156,244 A * 10/1992 Pyles B25B 23/141 192/56.62
- 6,280,047 B1 * 8/2001 Chen B25B 23/18 362/120
- 6,533,432 B1 * 3/2003 Alender B25B 23/18 362/120

(Continued)

OTHER PUBLICATIONS

HOTO 3.6V Cordless Electric Screwdriver, by HOTO on Amazon.com. Dated Jul. 6, 2021. Found online [Mar. 21, 2023]. <https://www.amazon.com/HOTO-Electric-Screwdriver-Cordless-screwdriver/dp/B098QFP516>.*

Primary Examiner — Eliza Z Harvey
Assistant Examiner — Kayla Marie Bennett
(74) *Attorney, Agent, or Firm* — Andrew C. Cheng

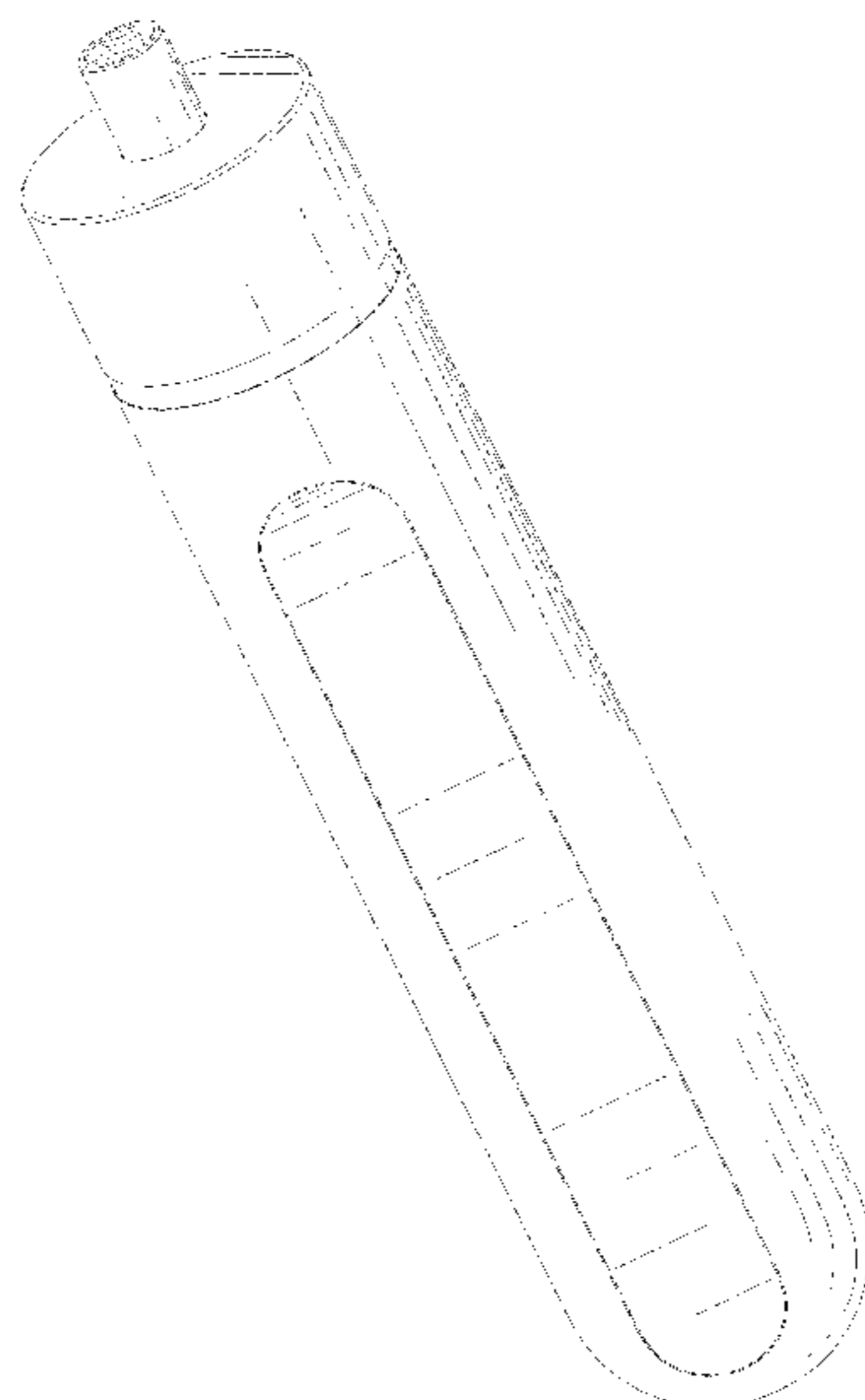
(57) **CLAIM**

We claim the ornamental design for an electric screwdriver, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an electric screwdriver; FIG. 2 is another perspective view of an electric screwdriver of FIG. 1. FIG. 3 is a front view of the electric screwdriver of FIG. 1; FIG. 4 is a rear view of the electric screwdriver of FIG. 1; FIG. 5 is a left side view of the electric screwdriver of FIG. 1; FIG. 6 is a right side view of the electric screwdriver of FIG. 1; FIG. 7 is a top view of the electric screwdriver of FIG. 1; and, FIG. 8 is a bottom view of the electric screwdriver of FIG. 1. The broken lines in the drawings depict portions of the electric screwdriver that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

7,024,966 B2 * 4/2006 Chao B25B 21/00
81/177.8
D558,015 S * 12/2007 Aglassinger D8/61
D684,311 S * 6/2013 Liu D27/101
D705,780 S * 5/2014 Nishizawa D14/411
D750,835 S * 3/2016 Wei D27/101
D758,650 S * 6/2016 Wu D27/101
D764,703 S * 8/2016 Liu D27/101
D770,454 S * 11/2016 Lee D14/411
D785,859 S * 5/2017 Pang D27/101
D805,246 S * 12/2017 Fakhouri D27/101
D806,942 S * 1/2018 Qiu D27/101
D912,889 S * 3/2021 Liu D27/162
D917,483 S * 4/2021 Kang D14/411
D930,452 S * 9/2021 Tang D8/83
D939,503 S * 12/2021 Yum D14/411
D943,157 S * 2/2022 Ouyang D27/162
D943,176 S * 2/2022 Chen D27/162
2003/0015066 A1 * 1/2003 Chao B25B 21/00
81/57.26
2008/0264212 A1 * 10/2008 Leupert B25B 23/18
81/57.24
2008/0266841 A1 * 10/2008 Gabriel B25B 21/00
362/120
2009/0078095 A1 * 3/2009 Hsieh B25G 1/125
81/436
2010/0179559 A1 * 7/2010 Walker A61B 17/861
606/104
2012/0160529 A1 * 6/2012 Eshleman E21B 15/04
173/1
2016/0221165 A1 * 8/2016 Hita B25B 21/00
2016/0271772 A1 * 9/2016 Knaust B25B 15/00
2017/0197299 A1 * 7/2017 Sun B25B 23/16
2022/0234178 A1 * 7/2022 Vasudeva B25G 1/085

* cited by examiner

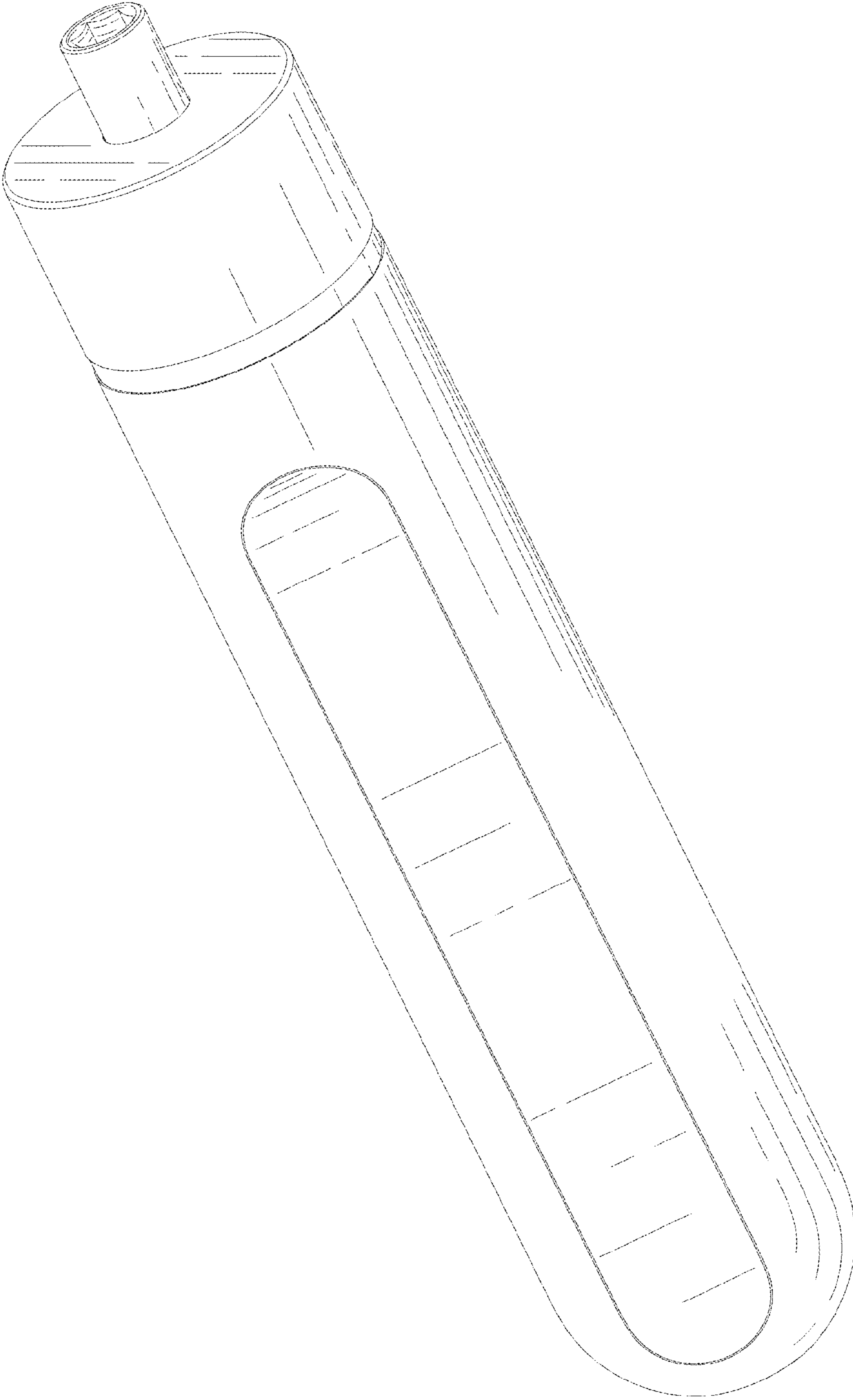


FIG. 1

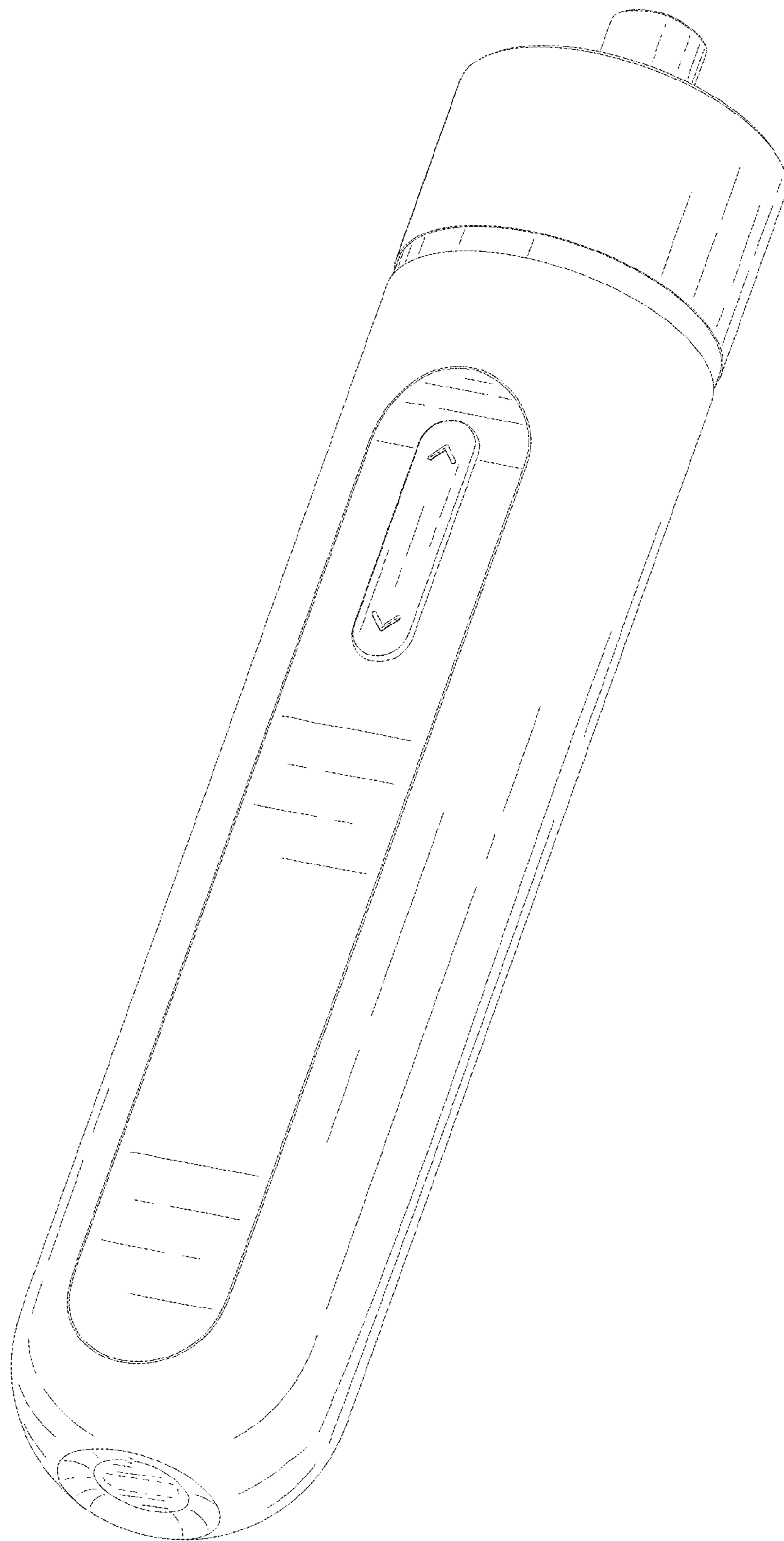


FIG. 2

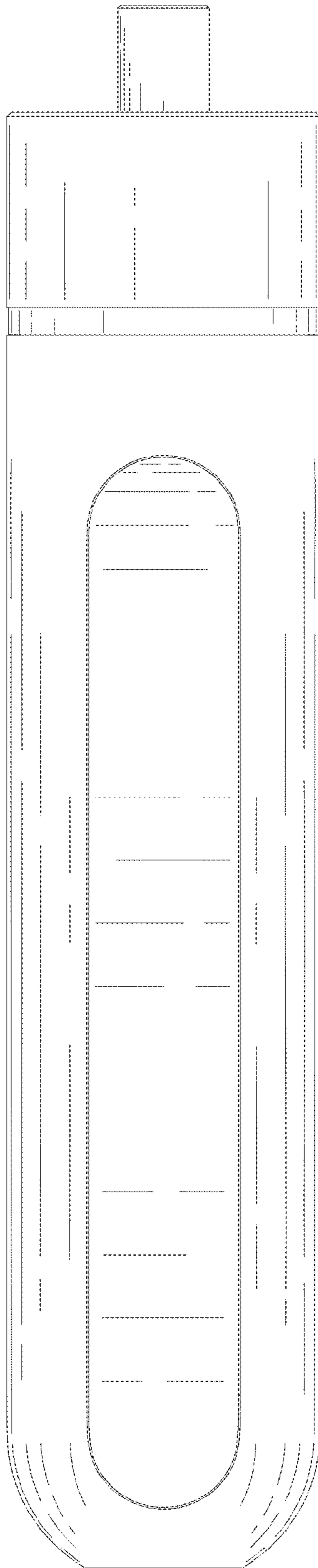


FIG. 3

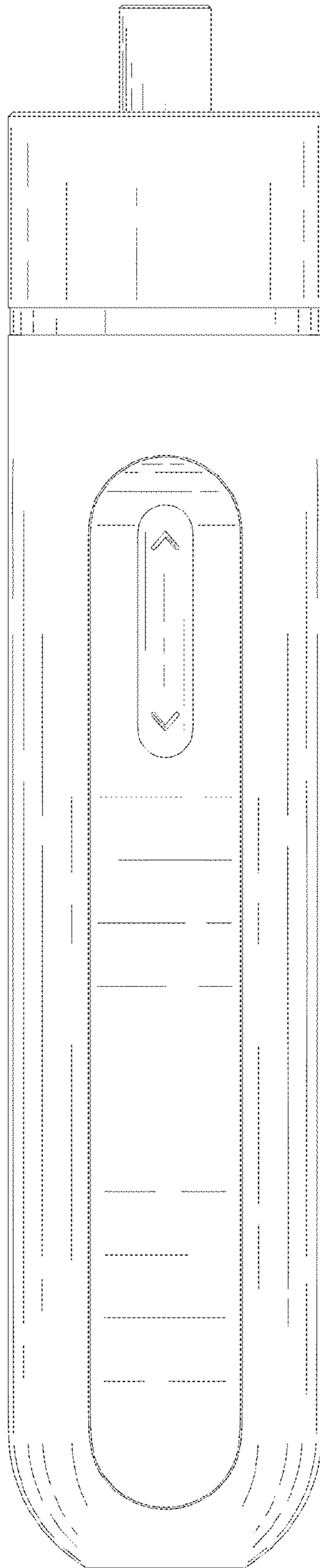


FIG. 4

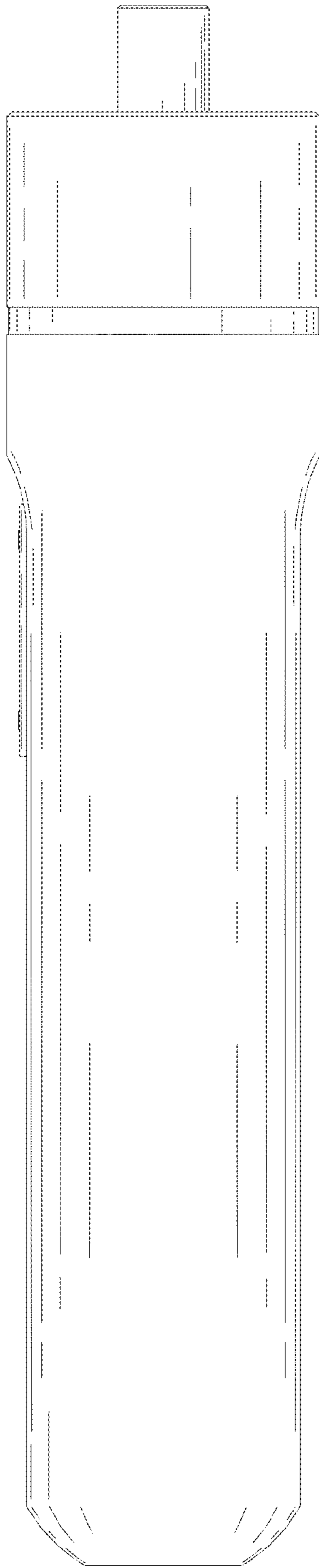


FIG. 5

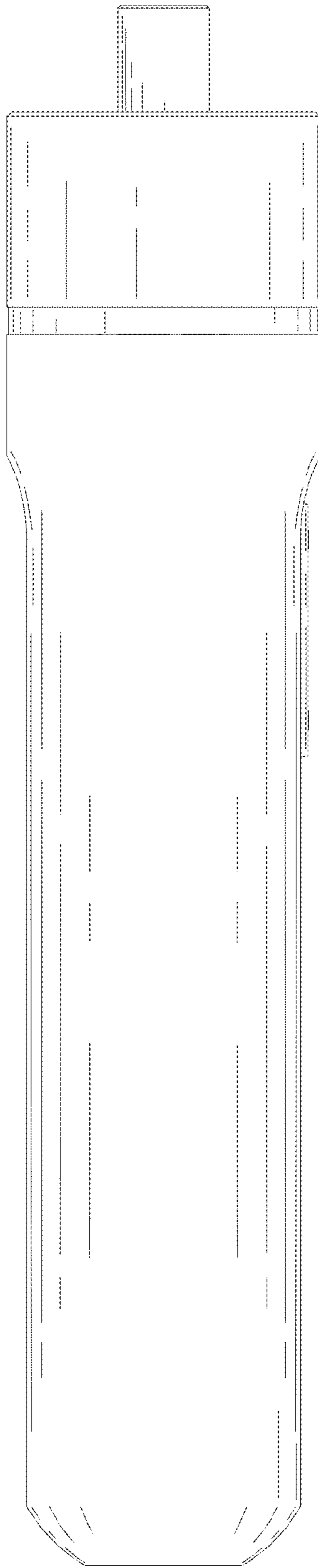


FIG. 6

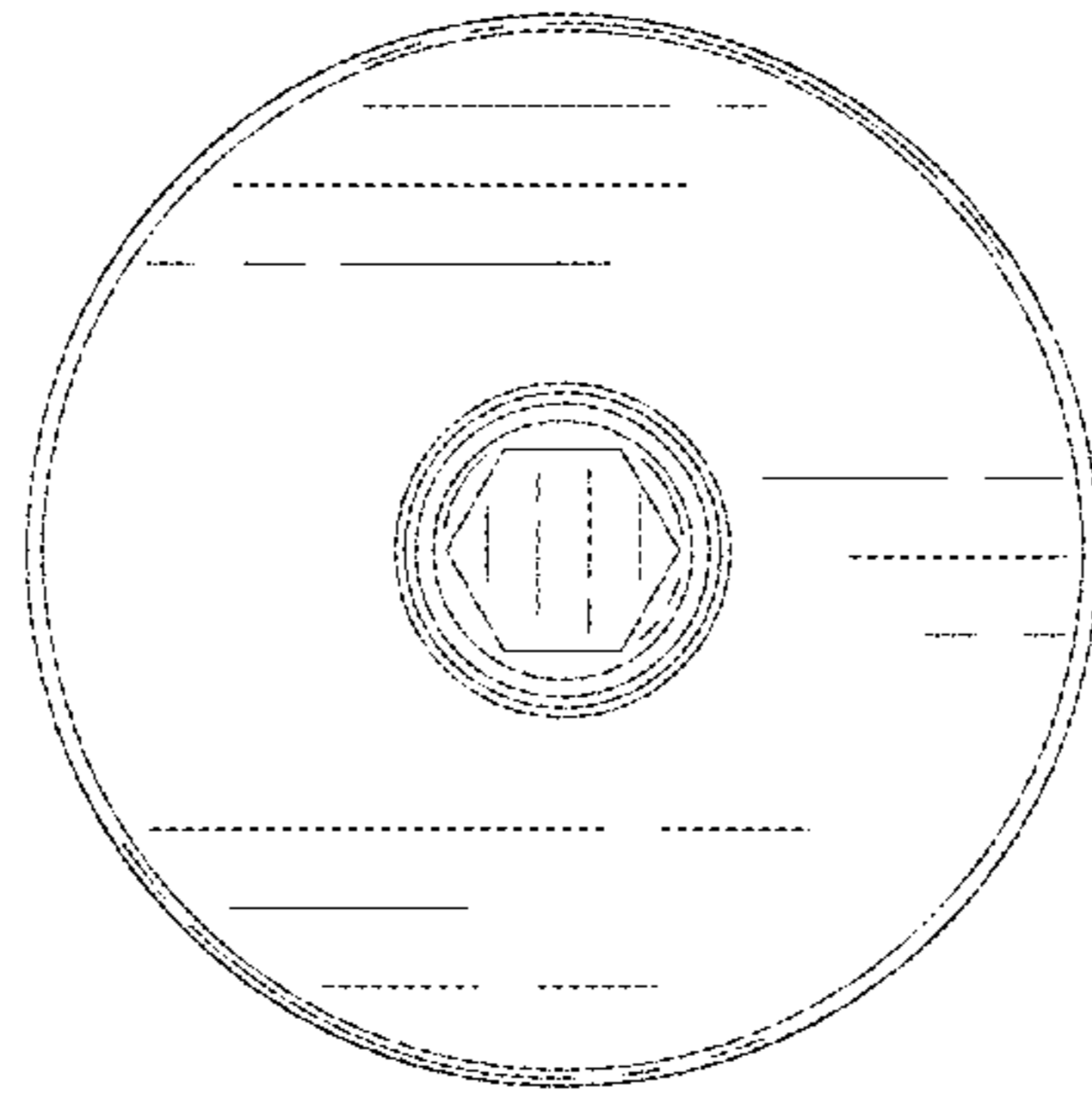


FIG. 7

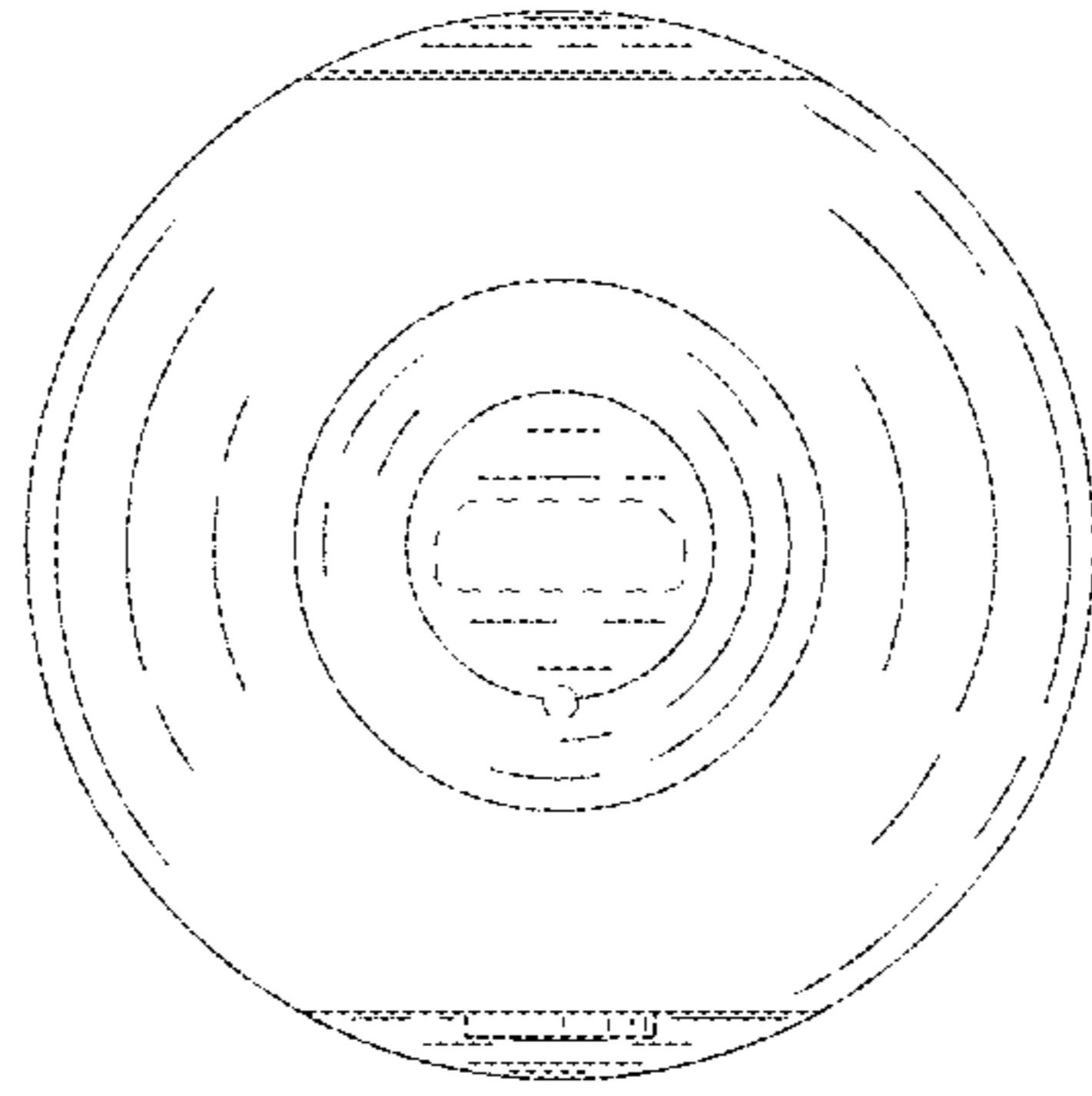


FIG. 8