



US00D948032S

(12) **United States Design Patent** (10) **Patent No.:** **US D948,032 S**  
**Fang** (45) **Date of Patent:** **\*\* Apr. 5, 2022**

(54) **ORAL IRRIGATOR**

(71) Applicant: **SHENZHEN FORTUNECOME TECHNOLOGY CO., LTD.**, Shenzhen (CN)

(72) Inventor: **Xiaolin Fang**, Shenzhen (CN)

(73) Assignee: **SHENZHEN FORTUNECOME TECHNOLOGY CO., LTD.**, Shenzhen (CN)

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

(21) Appl. No.: **29/738,182**

(22) Filed: **Jun. 15, 2020**

(51) **LOC (13) Cl.** ..... **28-03**

(52) **U.S. Cl.**  
USPC ..... **D24/111**

(58) **Field of Classification Search**  
USPC ..... D24/108, 111–115, 117, 152, 176;  
D4/100–102, 110, 111, 138  
CPC ..... A61C 17/0202; A61C 17/028; A61C 17/0205; A61C 1/0092; A61C 17/02  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D476,485 S	*	7/2003	Mulder	.....	D4/101
D479,403 S	*	9/2003	Breit	.....	D4/101
D479,915 S	*	9/2003	De Salvo	.....	D4/101
D515,215 S	*	2/2006	Wang	.....	D24/176
D545,569 S	*	7/2007	Chen	.....	D4/101
D548,334 S	*	8/2007	Izumi	.....	D24/111
D629,884 S	*	12/2010	Stephens	.....	D24/108
D670,373 S	*	11/2012	Taylor	.....	D24/108
D752,868 S	*	4/2016	McGarry	.....	D4/101
D760,498 S	*	7/2016	Kim	.....	D4/102
D772,396 S	*	11/2016	Kim	.....	D24/111
D787,189 S	*	5/2017	Fretwell	.....	D4/101
D791,485 S	*	7/2017	McGarry	.....	D4/101
D795,419 S	*	8/2017	Kohler	.....	D24/111

D799,217 S	*	10/2017	Massee	.....	D4/101
D806,228 S	*	12/2017	Yan	.....	D24/111
D819,196 S	*	5/2018	Kim	.....	D24/111
D832,422 S	*	10/2018	Kohler	.....	D24/111

(Continued)

**FOREIGN PATENT DOCUMENTS**

CN	303758068	*	7/2016
JP	D1220098	*	10/2014

**OTHER PUBLICATIONS**

[Cordless Water Flosser—DIY Portable Oral Irrigator Rechargeable Collapsible Travel Teeth Cleaner for Brace Sinus Rinse with Case, 4 Modes, 5 Jet Tips, IPX7 Waterproof], Amazon.com, Date First Available: Date [Jun. 4, 2020], Customer Review Oldest Date: Jun. 26, 2020 [online], site visited: [Nov. 16, 2021], URL: <https://www.amazon.com/dp/B089NSTYZN>. (Year: 2020).\*

(Continued)

*Primary Examiner* — Jonathan J Han  
*Assistant Examiner* — Amanda J Berlinski

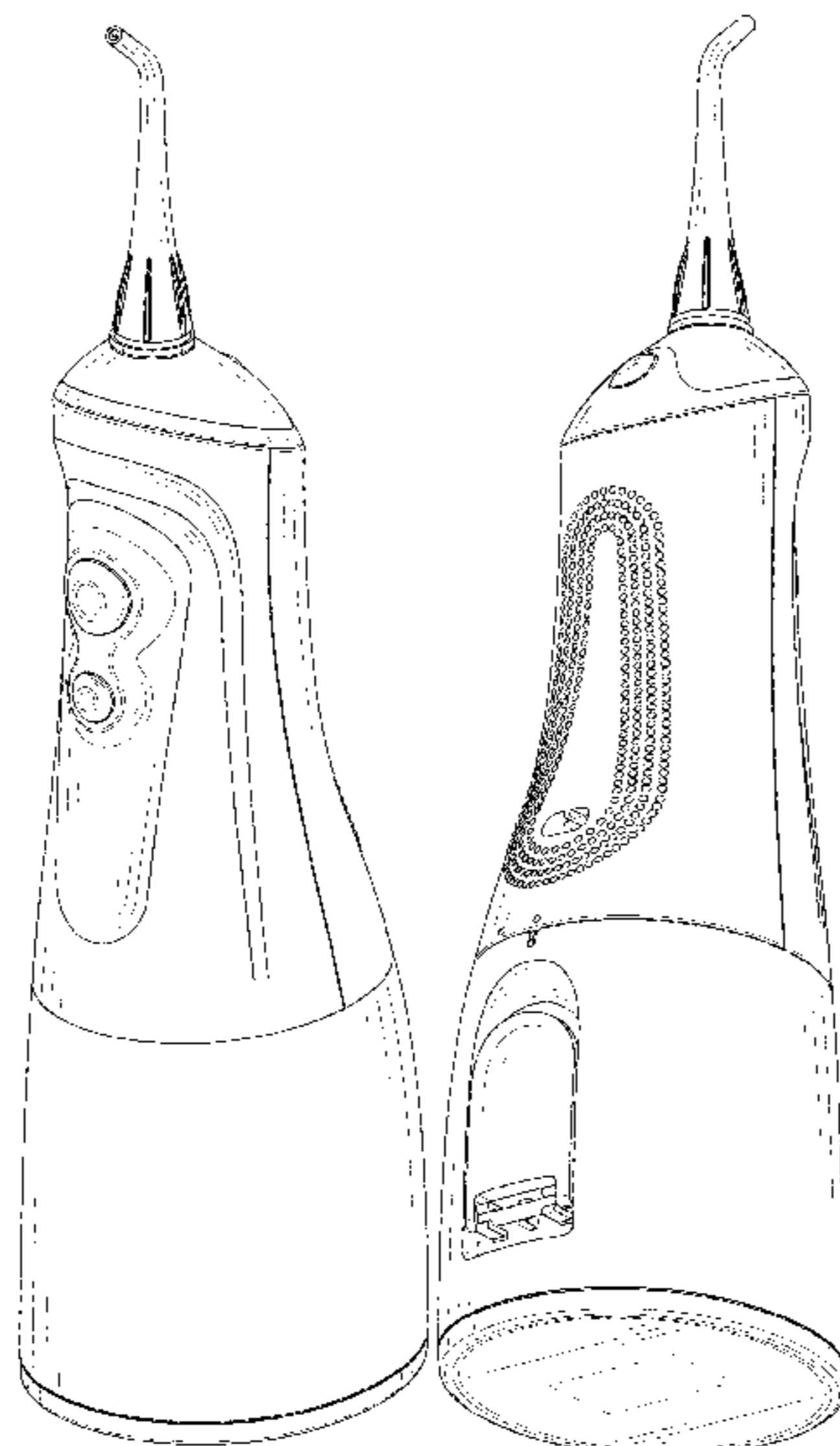
(57) **CLAIM**

The ornamental design for an oral irrigator, as shown and described.

**DESCRIPTION**

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

**1 Claim, 8 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D846,882 S \* 4/2019 Fang ..... D4/101  
 D881,383 S \* 4/2020 Chen ..... D24/111  
 D888,935 S \* 6/2020 Fang ..... D24/111  
 D891,115 S \* 7/2020 Damavandi ..... D4/101  
 D895,791 S \* 9/2020 Yuan ..... D24/111  
 D907,195 S \* 1/2021 Li ..... D24/111  
 D907,198 S \* 1/2021 Bessho ..... D24/111  
 10,923,870 B2 \* 2/2021 Hoshino ..... H02J 7/0045  
 D929,575 S \* 8/2021 Liu ..... D24/111  
 2008/0008979 A1 \* 1/2008 Thomas ..... A61C 17/0205  
 433/80  
 2009/0070949 A1 \* 3/2009 Sagel ..... A46B 11/0058  
 15/28  
 2016/0081779 A1 \* 3/2016 Lin ..... A61C 17/28  
 433/82

2016/0151133 A1 \* 6/2016 Luetngen ..... A61C 17/0202  
 433/80  
 2019/0358006 A1 \* 11/2019 Arias Haber ..... A61C 1/0092  
 2020/0229906 A1 \* 7/2020 Taniguchi ..... A61C 17/0211  
 2020/0268490 A1 \* 8/2020 Bondurant ..... A61C 17/024  
 2021/0059801 A1 \* 3/2021 Yu ..... A61C 17/0205  
 2021/0121274 A1 \* 4/2021 Yin ..... A61C 15/00

OTHER PUBLICATIONS

[Hangsun Water Flosser Professional Cordless Rechargeable Dental Oral Irrigator Ultra Water Jet for Teeth Braces Care with 4 Jet Tips 3 Modes IPX7 Waterproof 300ML Water Tank for Travel and Home Use], Amazon.com, Date First Available: [Jul. 4, 2018], Customer Review Oldest Date: Jan. 28, 2019 [online], site visited: [Nov. 16, 2021], URL: <<https://www.amazon.com/dp/B07F84SDD7>>. (Year: 2018).\*

\* cited by examiner

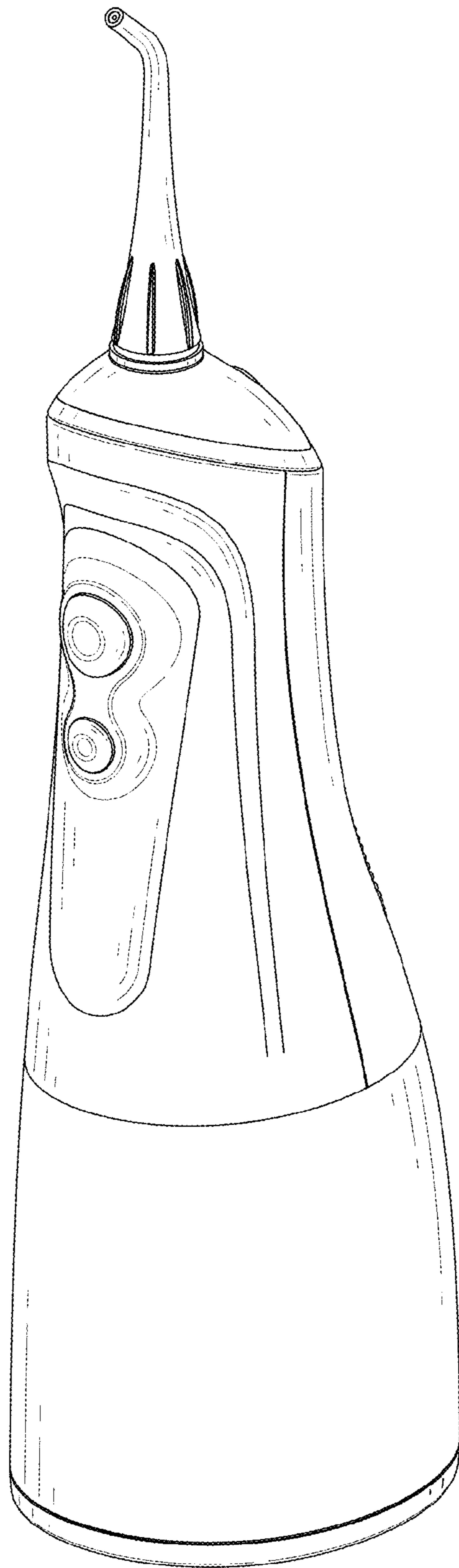


FIG. 1

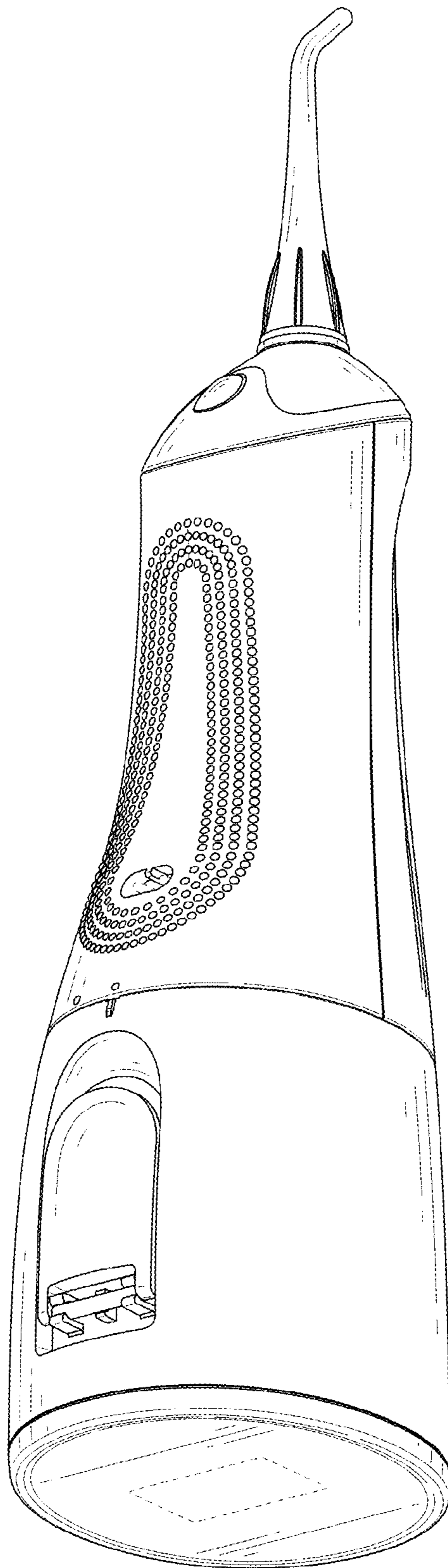


FIG. 2

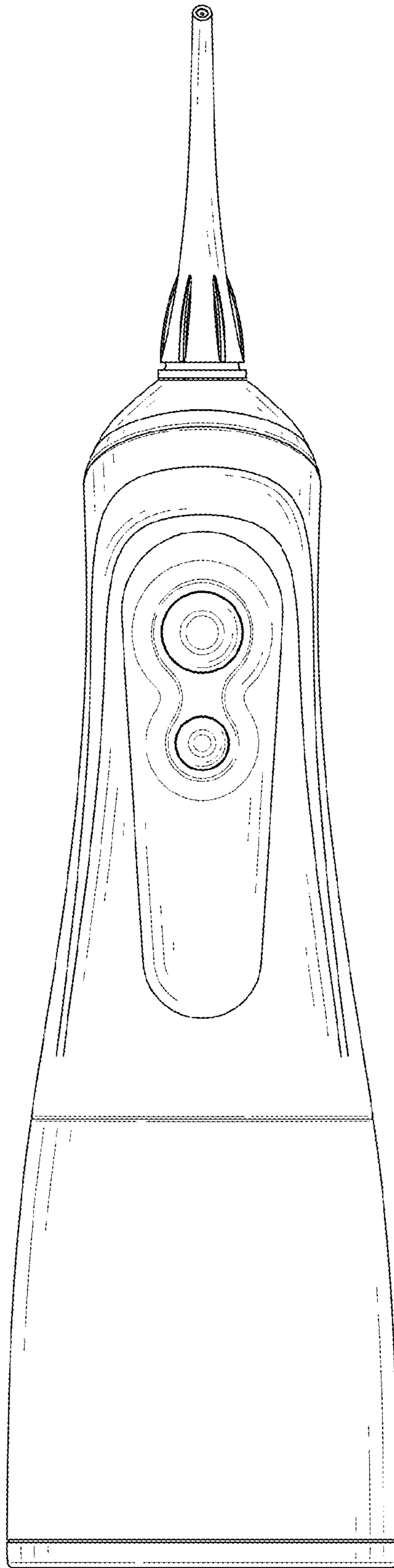


FIG. 3

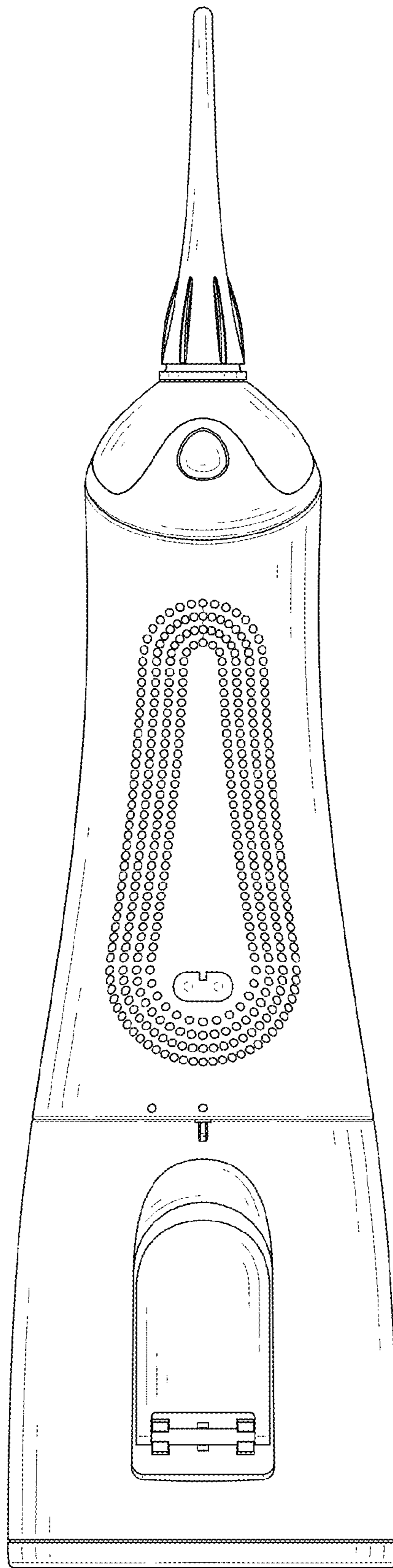


FIG. 4

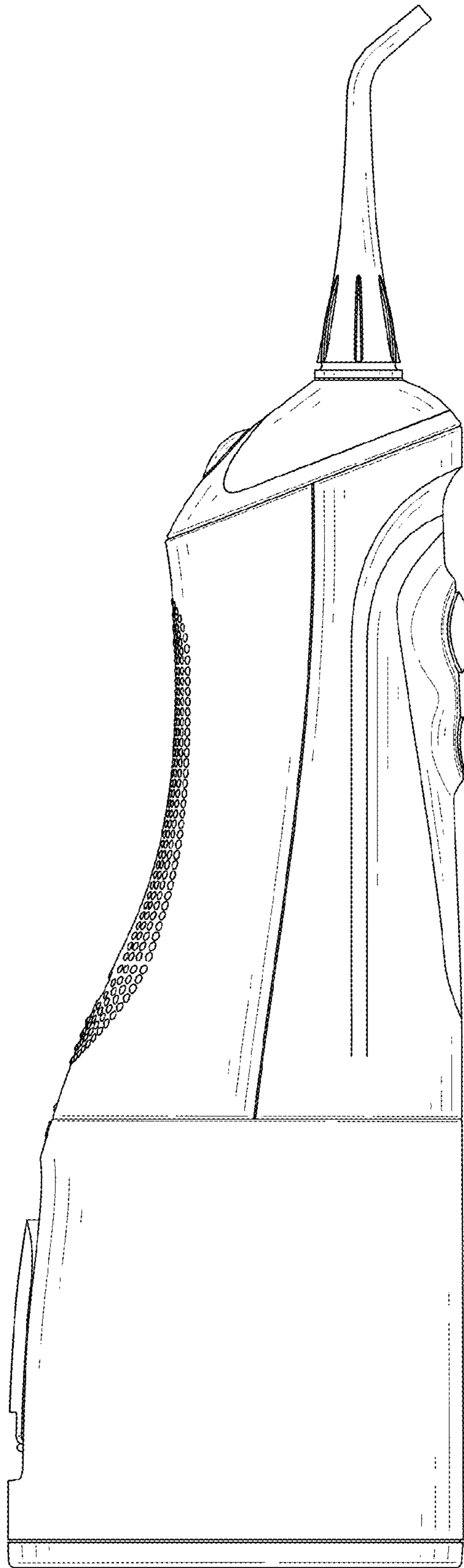


FIG. 5

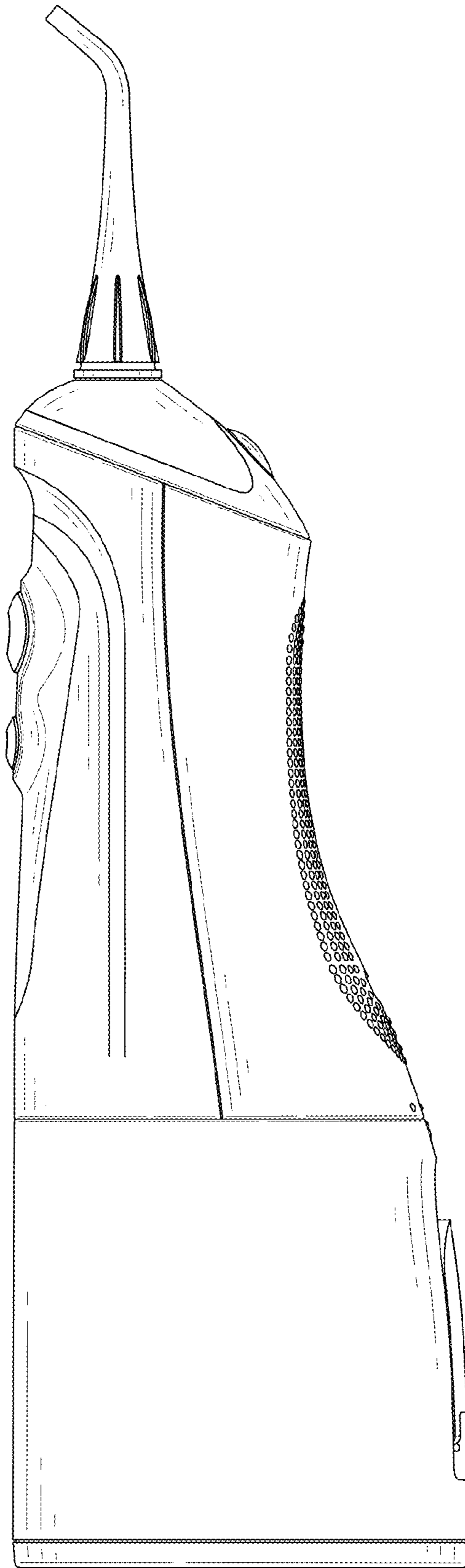


FIG. 6



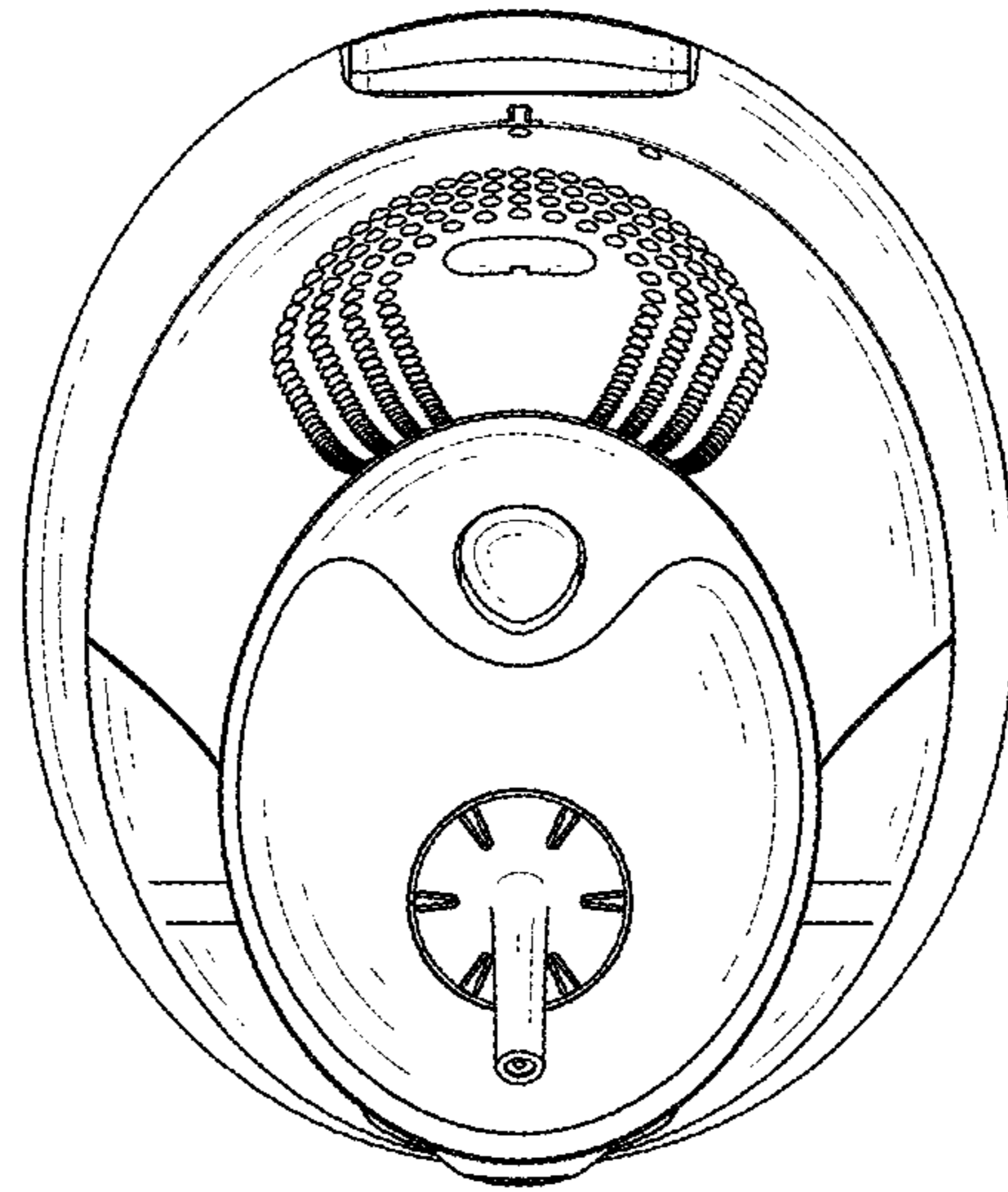


FIG. 7

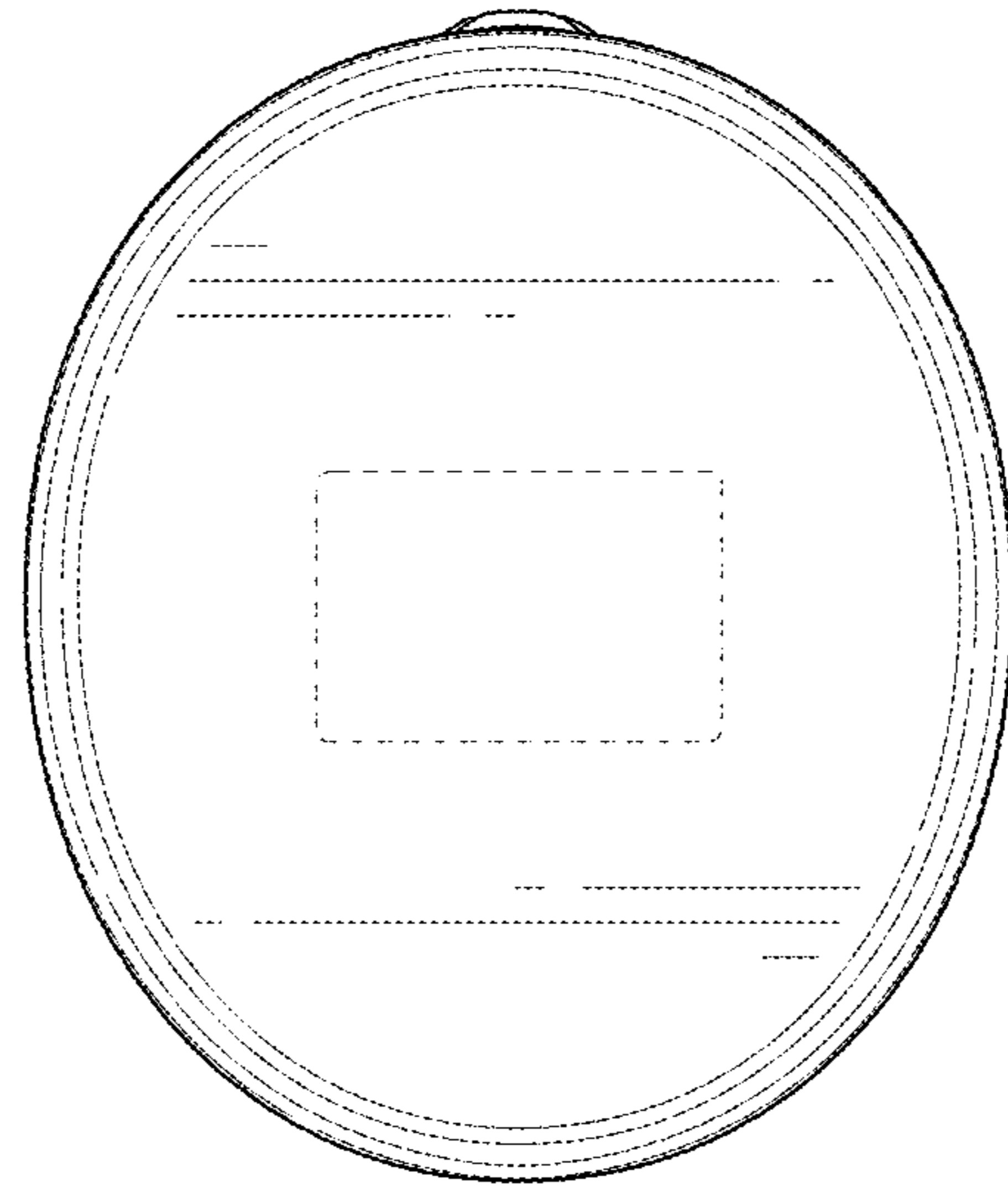


FIG. 8