



US00D952149S

(12) **United States Design Patent** (10) **Patent No.:** **US D952,149 S**  
**Wang** (45) **Date of Patent:** **\*\* May 17, 2022**

(54) **EAR CLEANING DEVICE**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Heifeng Zhizao(Shenzhen)Technology Co., Ltd**, Shenzhen (CN)

CN 202130478081.7 \* 10/2021

(72) Inventor: **Shihong Wang**, Shenzhen (CN)

OTHER PUBLICATIONS

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

Amazon, "BEBIRD R1 Ear Wax Removal Cleaner", first available Nov. 23, 2020. (<https://www.amazon.com/dp/B08M9G18H3/>) (Year: 2020).\*

(Continued)

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

*Primary Examiner* — Lauren D McVey  
*Assistant Examiner* — Justin A Johnson

(21) Appl. No.: **29/776,356**

(57) **CLAIM**

(22) Filed: **Mar. 30, 2021**

I claim the ornamental design for an ear cleaning device, as shown and described.

(30) **Foreign Application Priority Data**

**DESCRIPTION**

Sep. 30, 2020 (CN) ..... 202030593691.7

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

(52) **U.S. Cl.**  
USPC ..... **D24/151**

(58) **Field of Classification Search**  
USPC ..... D24/119, 127, 133, 135, 151, 173  
CPC ..... A46B 5/00; A46B 5/0004; A46B 5/0016;  
A46B 7/10; A46B 13/001; A46B 13/02;  
A46B 13/023; A46B 13/08; A46B  
2200/1006; A46B 2200/30; A61B  
2018/00327; A61Q 90/00; A61F 11/006  
See application file for complete search history.

FIG. 1 is a first perspective view of an ear cleaning device showing my new design;  
FIG. 2 is a second perspective view of the ear cleaning device of FIG. 1;  
FIG. 3 is a front view of the ear cleaning device of FIG. 1;  
FIG. 4 is a rear view of the ear cleaning device of FIG. 1;  
FIG. 5 is a left side view of the ear cleaning device of FIG. 1;  
FIG. 6 is a right side view of the ear cleaning device of FIG. 1;  
FIG. 7 is a top view of the ear cleaning device of FIG. 1;  
FIG. 8 is a bottom view of the ear cleaning device of FIG. 1; and,  
FIG. 9 is an enlarged view of a circled portion 9 of the ear cleaning device of FIG. 1.

(56) **References Cited**

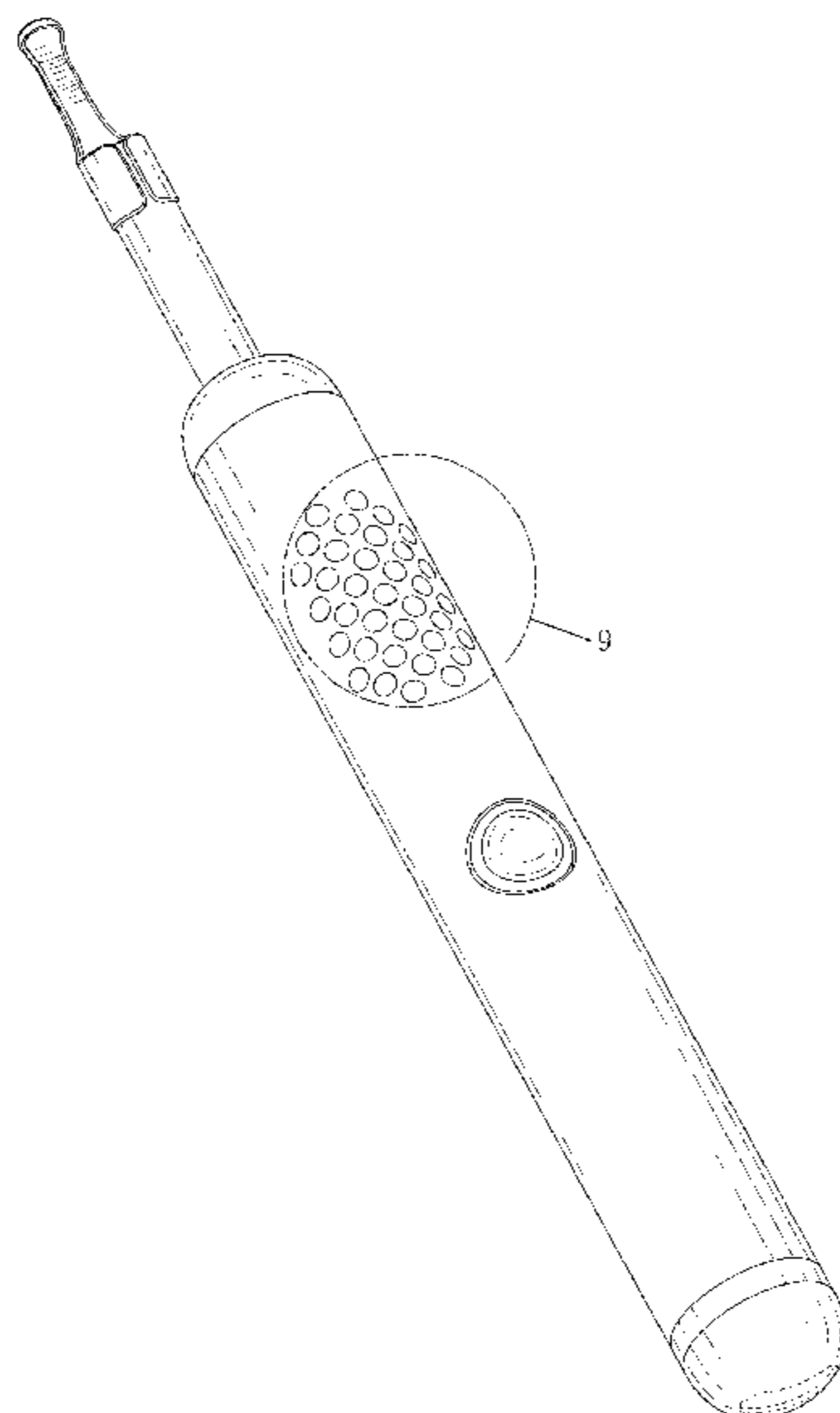
U.S. PATENT DOCUMENTS

D421,303 S \* 2/2000 Cote ..... D24/133  
D465,279 S \* 11/2002 Etter ..... D24/146  
D502,262 S \* 2/2005 Cheetham ..... D24/119  
D584,815 S \* 1/2009 Goodman ..... D24/115  
D639,946 S \* 6/2011 Simon ..... D24/112  
D757,938 S 5/2016 Jackson

The even length broken lines depict portions of the cleaning device in which the design is embodied. In addition, The dot-dot-dash broken lines illustrate enlarged portions of the design. None of the broken lines form part of the claimed design.

(Continued)

**1 Claim, 4 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D797,293 S 9/2017 Bansal et al.  
D841,806 S \* 2/2019 Leather ..... D24/135  
D866,763 S \* 11/2019 Khademhosseini ..... D24/151  
10,786,339 B1 \* 9/2020 Chapman ..... A61C 17/3481  
D928,309 S \* 8/2021 Aagaard ..... D28/7  
D931,458 S \* 9/2021 Wang ..... A46B 3/16  
D24/151  
D932,011 S \* 9/2021 Wang ..... A61C 17/3481  
D24/151  
D932,622 S \* 10/2021 Wang ..... D24/151  
2020/0196744 A1 \* 6/2020 Watcharotone ..... A46B 3/16

OTHER PUBLICATIONS

Amazon, "Crowndy Ear Wax Removal", first available Dec. 17, 2021. (<https://www.amazon.com/dp/B09NR85F5N/>) (Year: 2021).\*

Amazon, "MYPIN Ear Wax Removal Otoscope", first available Feb. 5, 2021. (<https://www.amazon.com/dp/B08RDH1T4C/>) (Year: 2021).\*

Amazon, "AiBast Ear Wax Removal with Camera", first available Feb. 5, 2021. (<https://www.amazon.com/dp/B08TBV817M/>) (Year: 2021).\*

\* cited by examiner

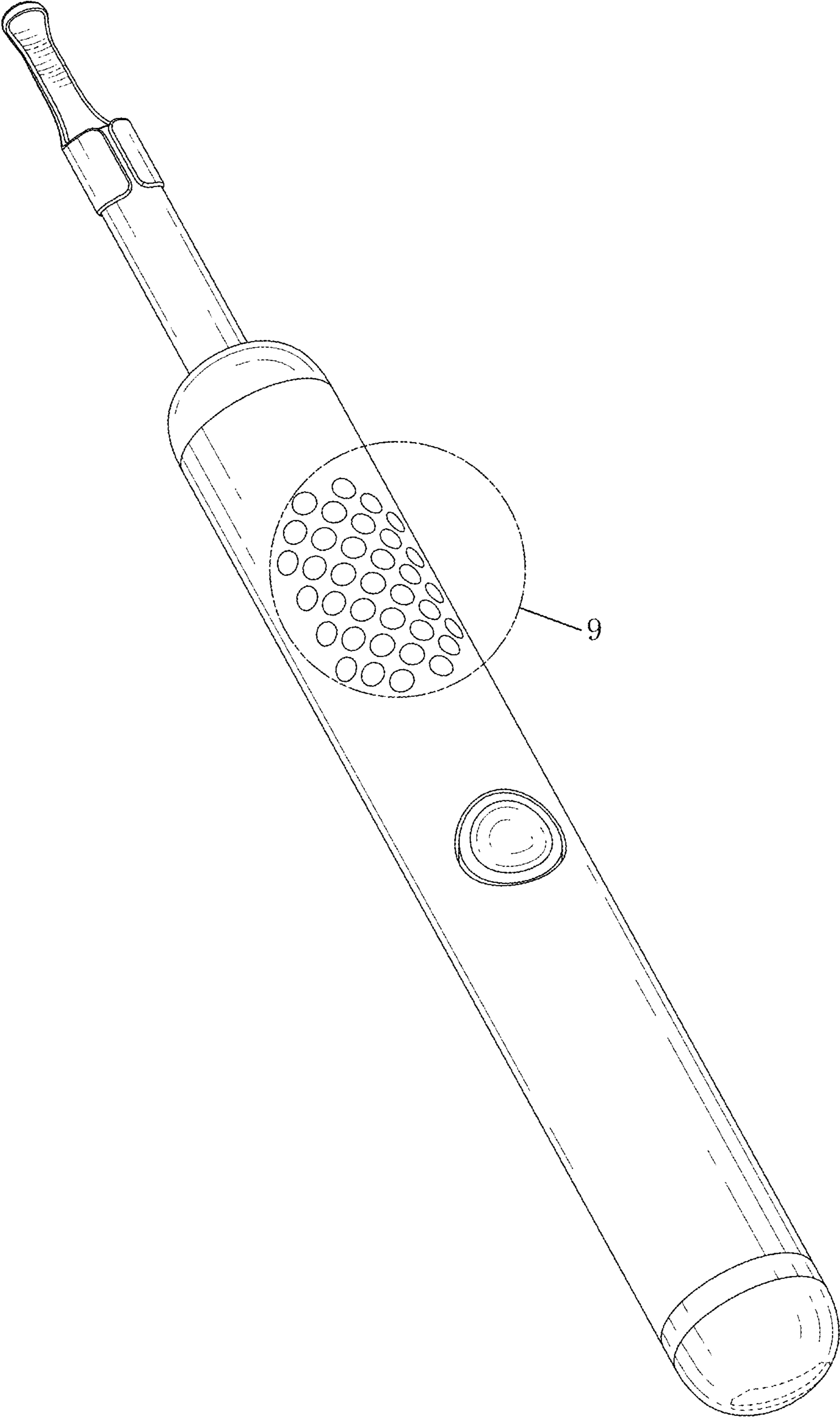


FIG. 1

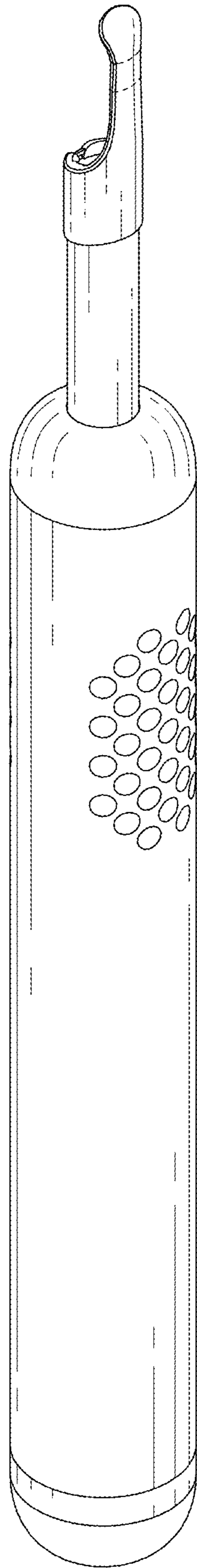


FIG. 2

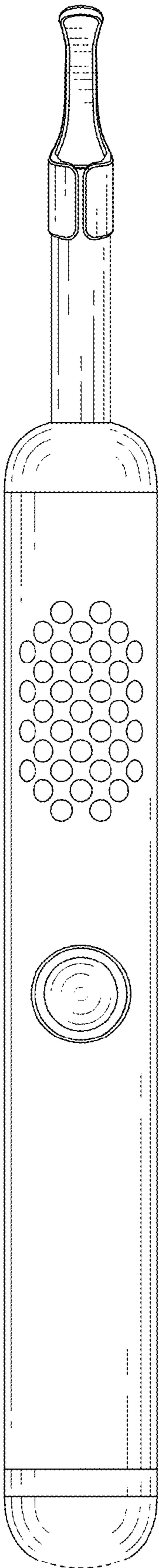


FIG. 3

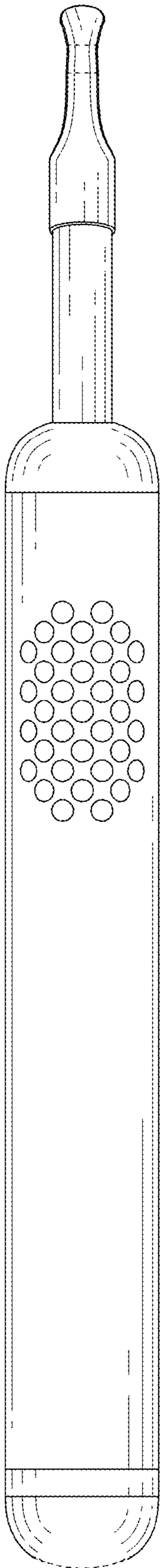


FIG. 4

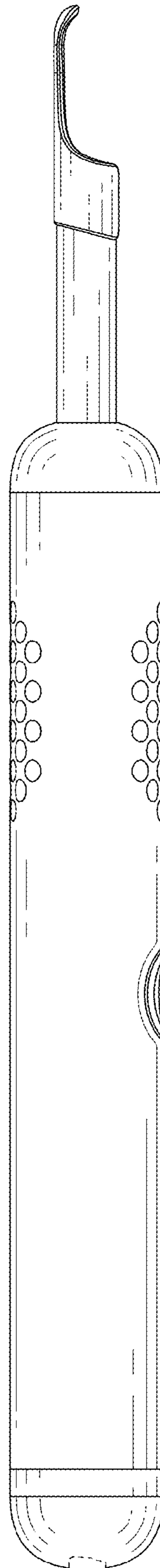


FIG. 5

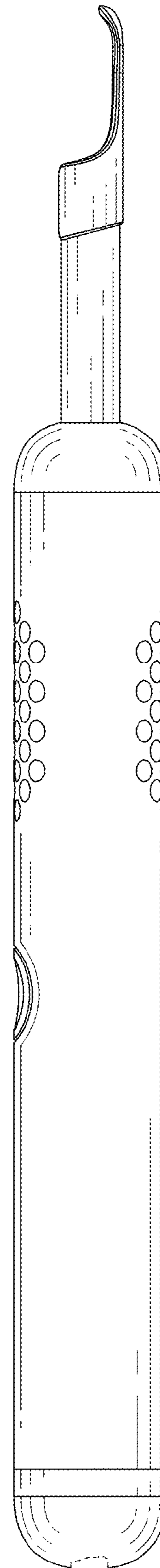


FIG. 6



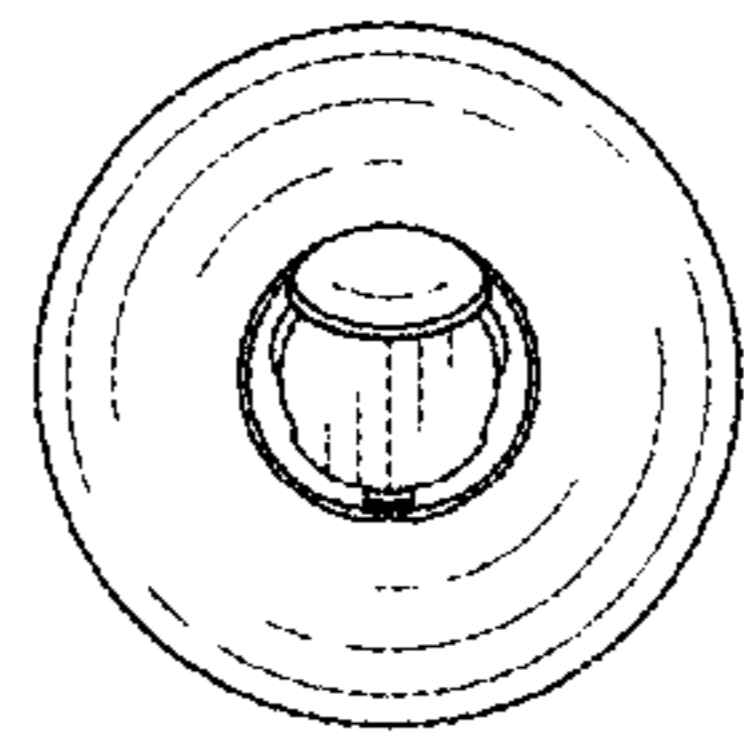


FIG. 7

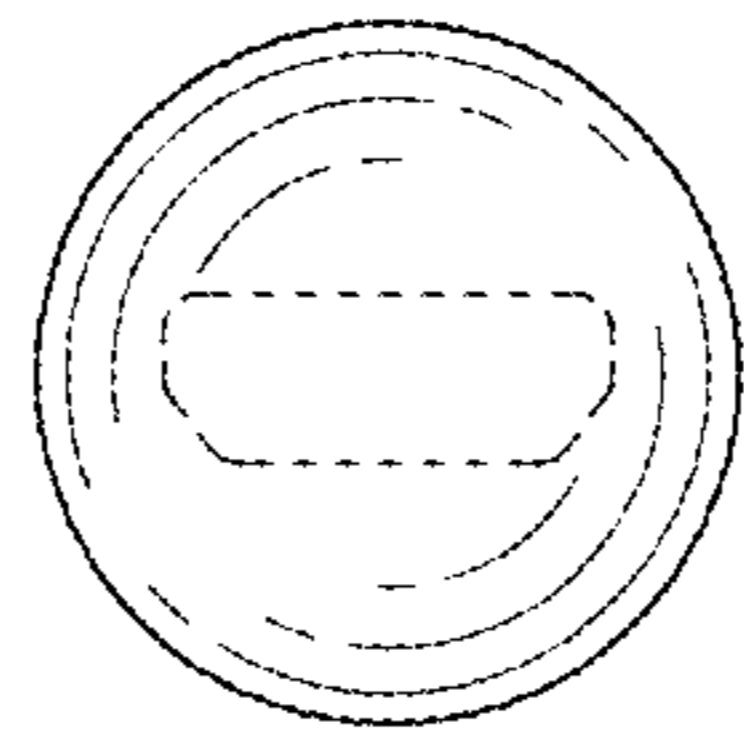


FIG. 8

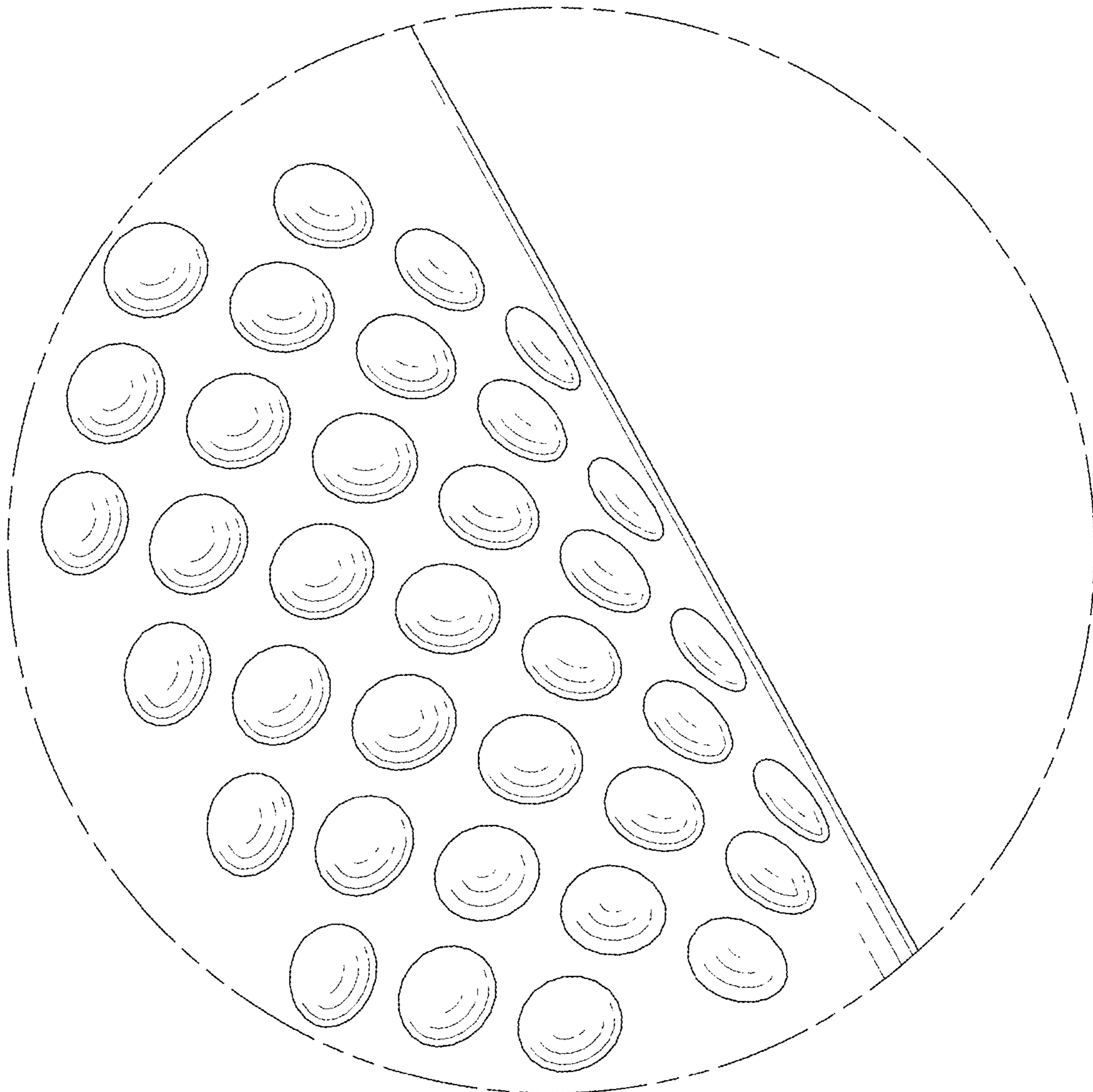


FIG. 9