



US00D955754S

(12) **United States Design Patent**  
**Cheng**

(10) **Patent No.:** **US D955,754 S**  
(45) **Date of Patent:** **\*\* Jun. 28, 2022**

- (54) **BATTERY OPERATED TOOTHBRUSH**
- (71) Applicant: **Fourstar Group Inc.**, Taipei (TW)
- (72) Inventor: **Chia-Ming Cheng**, Taipei (TW)
- (73) Assignee: **Fourstar Group Inc.**, Taipei (TW)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/767,839**
- (22) Filed: **Jan. 26, 2021**
- (51) **LOC (13) Cl.** ..... **04-02**
- (52) **U.S. Cl.**  
USPC ..... **D4/101**
- (58) **Field of Classification Search**  
USPC ..... D4/100-138, 199; D24/176, 181, 152  
CPC .... A46B 2200/1066; A46B 2200/1073; A46B  
2200/1086; A46B 2200/3093; A46B  
5/0095; A46B 13/023; A46B 9/04; A61C  
17/16; A61C 17/222  
See application file for complete search history.

- 2012/0137454 A1\* 6/2012 Huy ..... A61C 17/3481  
15/105
- 2016/0081465 A1\* 3/2016 Metter ..... A46B 15/0044  
15/167.1
- 2019/0174905 A1\* 6/2019 Bloch ..... A61C 17/3481

**OTHER PUBLICATIONS**

Ebay Brush, announced Aug. 2021 [online], [site visited Feb. 14, 2022]. Available from internet, URL: <https://www.ebay.com/itm/313644437045?chn=ps&mkevt=1&mkcid=28> (Year: 2020).\*

\* cited by examiner

*Primary Examiner* — Cynthia Ramirez  
*Assistant Examiner* — Tamara L Hahn  
(74) *Attorney, Agent, or Firm* — Salter & Michaelson

(57) **CLAIM**

The ornamental design for a battery operated toothbrush, as shown and described.

**DESCRIPTION**

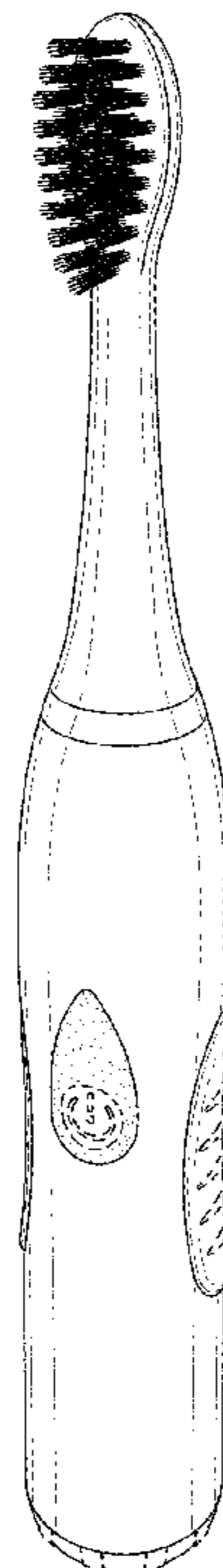
FIG. 1 is a perspective view of a battery operated toothbrush;  
FIG. 2 is a front elevational view thereof;  
FIG. 3 is a rear elevational view thereof;  
FIG. 4 is a right side elevational view thereof;  
FIG. 5 is a left side elevational view thereof;  
FIG. 6 is a top plan view thereof;  
FIG. 7 is a bottom plan view thereof; and,  
FIG. 8 is an exploded perspective view thereof.  
The broken lines in the drawings depict portions of the battery operated toothbrush that forms no part of the claimed design.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- D505,015 S \* 5/2005 Nanda ..... D4/108
- 7,228,583 B2 \* 6/2007 Chan ..... A46B 5/02  
15/22.1
- D660,001 S 5/2012 Peluso
- 8,981,196 B2 \* 3/2015 Patel ..... A46B 15/0028  
84/464 R
- D765,415 S 9/2016 Zhen
- 2007/0038272 A1\* 2/2007 Liu ..... A46B 15/0002  
433/29

**1 Claim, 7 Drawing Sheets**



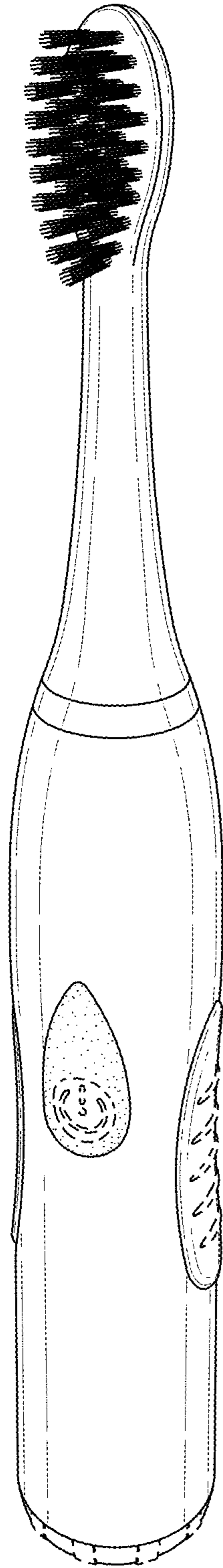


FIG. 1

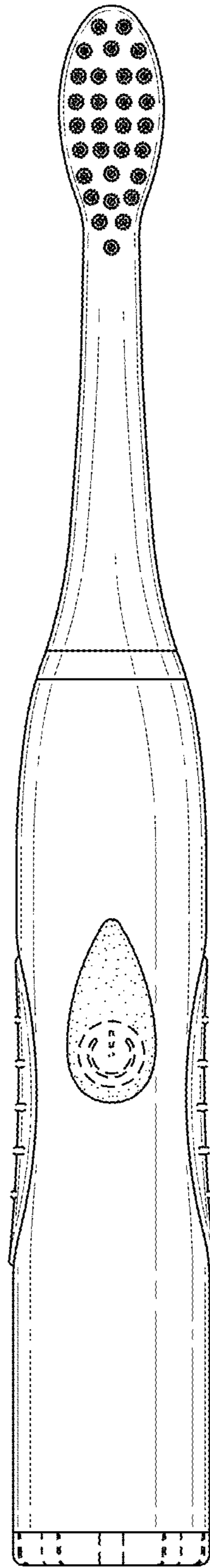


FIG. 2

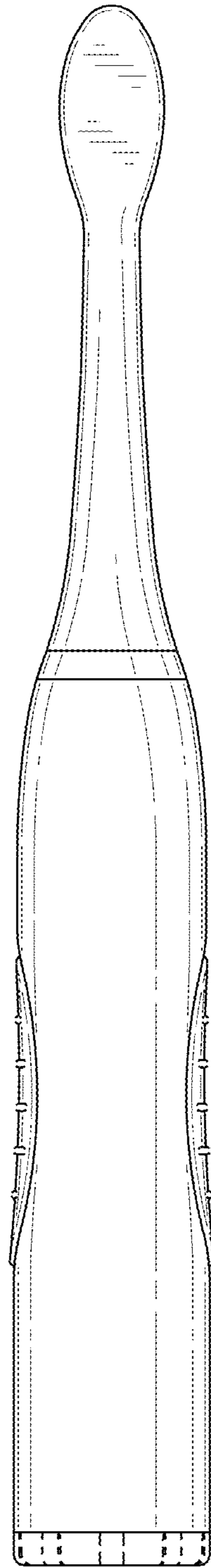


FIG. 3

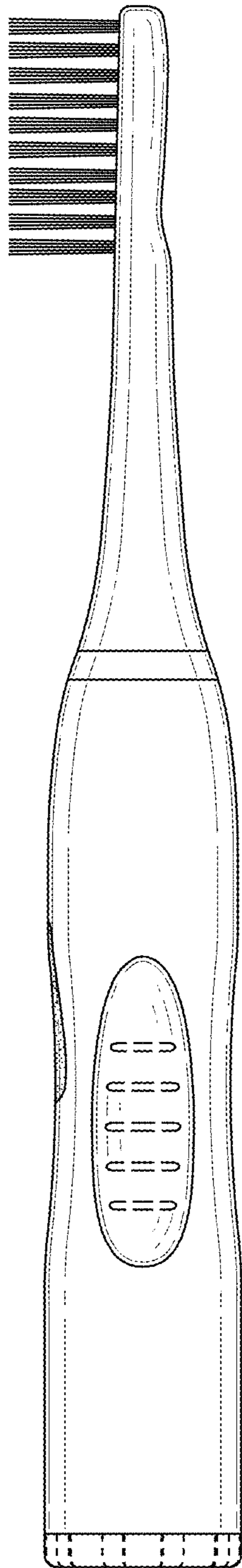


FIG. 4

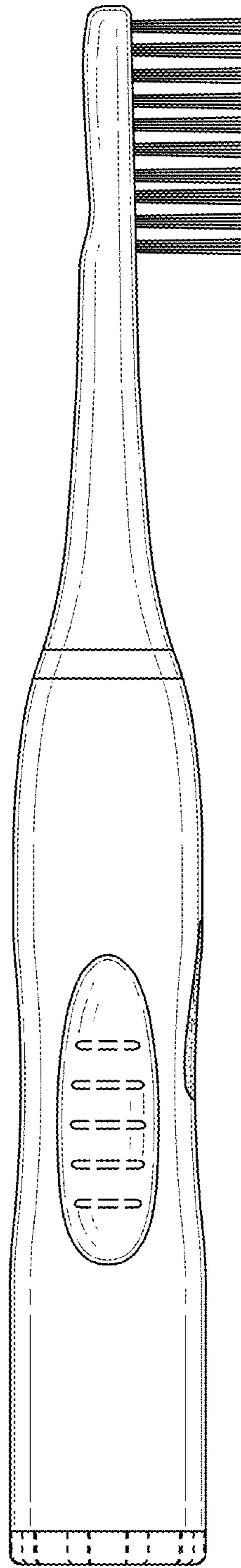


FIG. 5

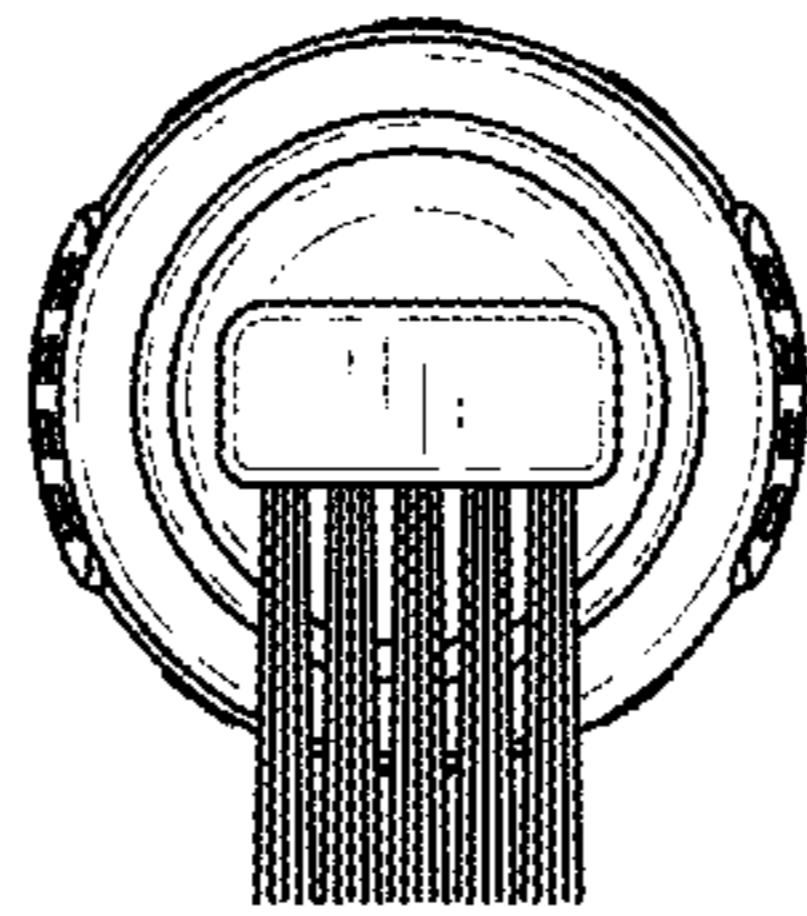


FIG. 6

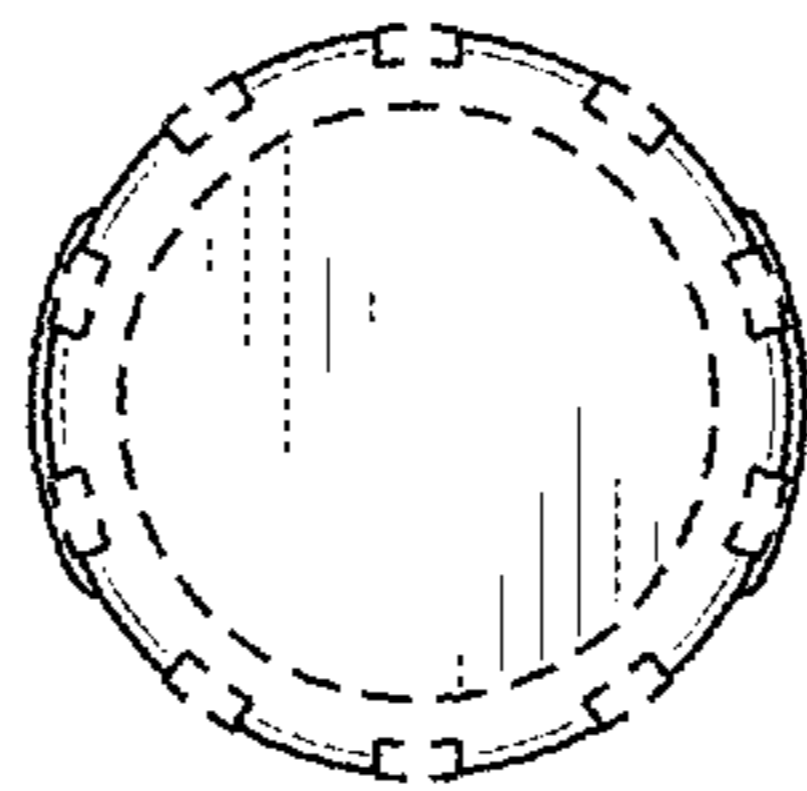


FIG. 7

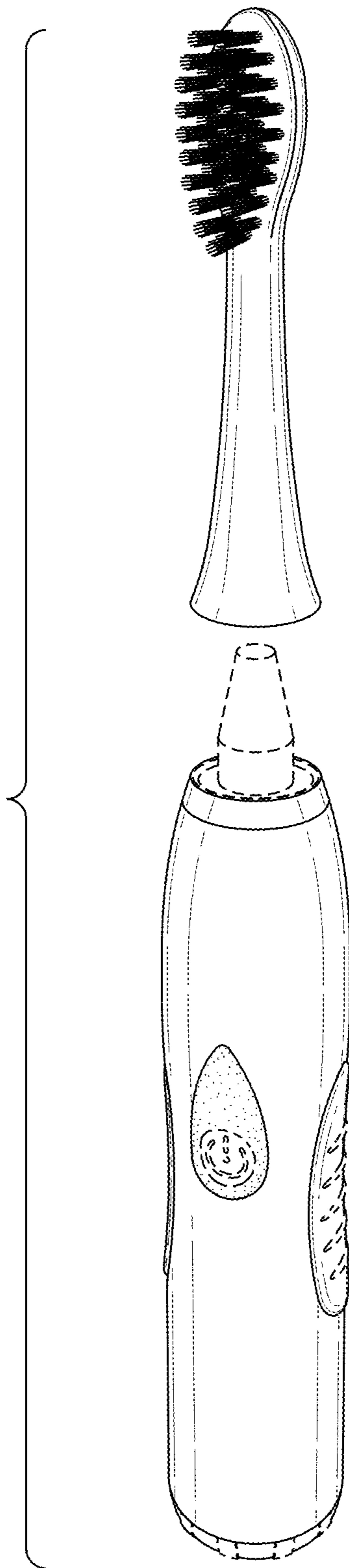


FIG. 8