



US00D824677S

(12) **United States Design Patent** (10) **Patent No.:** **US D824,677 S**  
**Tseng et al.** (45) **Date of Patent:** **\*\* Aug. 7, 2018**

(54) **ELECTRIC TOOTHBRUSH**

FOREIGN PATENT DOCUMENTS

(71) Applicants: **COLGATE-PALMOLIVE COMPANY**, New York, NY (US);  
**OMRON HEALTHCARE CO., LTD.**,  
Kyoto (JP)

CN 301136943 \* 2/2010  
CN 302048051 \* 8/2012

(Continued)

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(57) **CLAIM**

The ornamental design for an electric toothbrush, as shown and described.

**DESCRIPTION**

(73) Assignees: **COLGATE-PALMOLIVE COMPANY**, New York, NY (US);  
**OMRON HEALTHCARE CO., LTD.**,  
Kyoto (JP)

FIG. 1 is a front right perspective view of an electric toothbrush according to a first embodiment of the new design;

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

FIG. 2 is a front elevation view thereof;

(21) Appl. No.: **29/568,576**

FIG. 3 is a rear elevation view thereof;

(22) Filed: **Jun. 20, 2016**

FIG. 4 is a right side elevation view thereof;

(30) **Foreign Application Priority Data**

Dec. 18, 2015 (JP) ..... 2015-028285

Dec. 18, 2015 (JP) ..... 2015-028286

FIG. 5 is a left side elevation view thereof;

(51) **LOC (11) Cl.** ..... **04-02**

FIG. 6 is a top plan view thereof;

(52) **U.S. Cl.**  
USPC ..... **D4/101**

FIG. 7 is a bottom plan view thereof;

(58) **Field of Classification Search**  
USPC ..... D4/101, 102, 104, 105, 106, 107, 108,  
D4/109, 110, 111, 112, 113; 15/167.1  
(Continued)

FIG. 8 is an enlarged top plan view thereof;

FIG. 9 is an enlarged bottom plan view thereof;

FIG. 10 is a front elevation view of an electric toothbrush according to a second embodiment of the new design;

FIG. 11 is a rear elevation view thereof;

FIG. 12 is a top plan view thereof;

FIG. 13 is a bottom plan view thereof;

FIG. 14 is a right side elevation view thereof;

FIG. 15 is a left side elevation view thereof;

FIG. 16 is a front right perspective view thereof;

FIG. 17 is an enlarged top plan view thereof;

FIG. 18 is an enlarged bottom plan view thereof;

FIG. 19 is an enlarged view of area 19 of FIG. 10; and,

FIG. 20 is an enlarged view of area 20 of FIG. 16.

The dash-dot broken lines shown in the drawings illustrate the bounds of the areas shown in the enlarged views, and the bounds of the enlarged views themselves, and form no part of the claimed design.

(56) **References Cited**

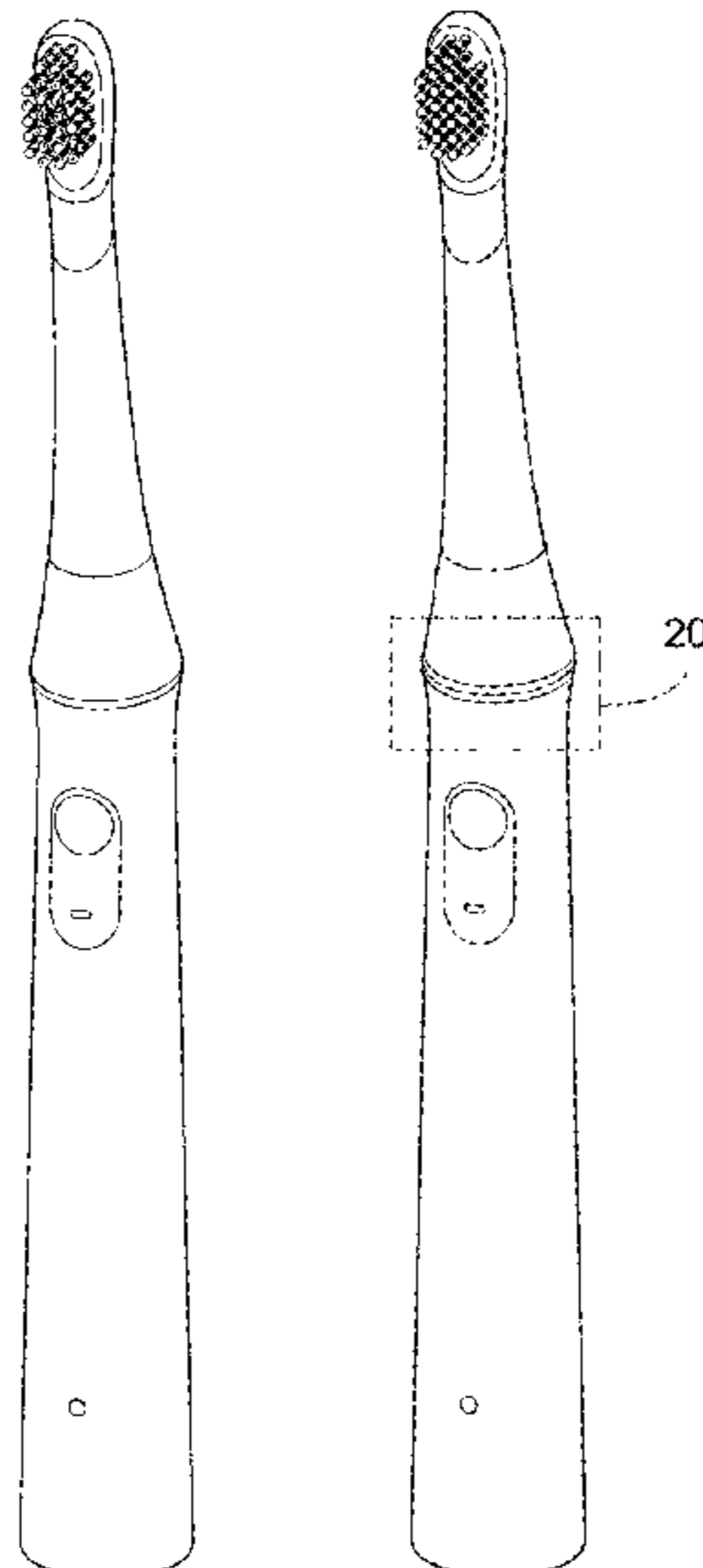
U.S. PATENT DOCUMENTS

D217,754 S \* 6/1970 Soper ..... D4/101

D220,239 S \* 3/1971 Rams et al. .... D4/101

(Continued)

**1 Claim, 11 Drawing Sheets**



(58) **Field of Classification Search**  
 CPC ..... A46B 9/04; A46B 9/10; A46B 2200/1066  
 See application file for complete search history.

D771,388 S *	11/2016	Since .....	D4/101
D774,771 S *	12/2016	Yoshida .....	D4/101
D775,835 S *	1/2017	Yoshida .....	D4/101
D780,456 S *	3/2017	Shigeno .....	D4/101
2003/0215282 A1 *	11/2003	Edwards .....	A46B 11/0027 401/277
2004/0237995 A1 *	12/2004	Mualem .....	A46B 11/0024 132/311
2012/0272468 A1 *	11/2012	Weisman .....	C08L 23/02 15/167.1

(56) **References Cited**

U.S. PATENT DOCUMENTS

D362,340 S *	9/1995	Vos .....	D4/101
D476,156 S *	6/2003	Ferber .....	D4/101
D503,852 S *	4/2005	Hensel .....	D4/101
6,918,153 B2 *	7/2005	Gruber .....	A46B 11/063 15/22.1
D632,894 S *	2/2011	Shigeno .....	D4/101
8,434,184 B2 *	5/2013	Fritsch .....	A46B 15/00 15/167.1
D696,517 S *	12/2013	GebSKI .....	D4/101
D719,737 S *	12/2014	Adriaenssen .....	D4/101
D724,845 S *	3/2015	Yoshida .....	D4/101
9,015,886 B2 *	4/2015	Fritsch .....	A61C 17/34 15/167.1
D734,613 S *	7/2015	Yoshida .....	D4/101
D768,866 S *	10/2016	Shigeno .....	D24/200

FOREIGN PATENT DOCUMENTS

GB	1060670	*	1/1990
GB	2099096	*	2/2001
JP	D1070970	*	5/2000
JP	D1322681	*	2/2008
JP	D1355068	*	4/2009
JP	D1428281	*	11/2011
JP	D1562833	*	11/2016
TR	201204501-0001	*	11/2012
WO	D027940-001	*	1/1994

\* cited by examiner

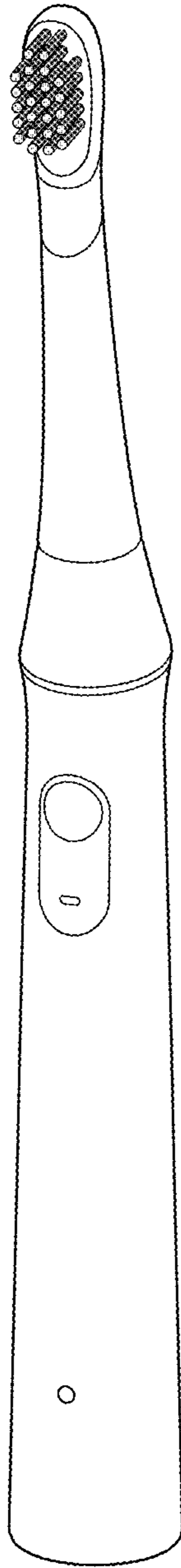


FIG. 1

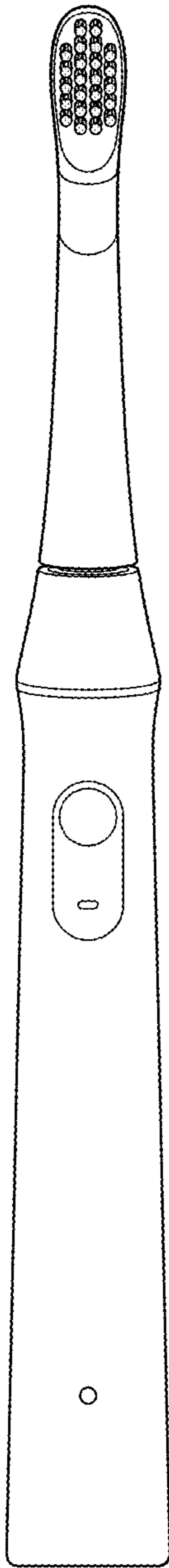


FIG. 2

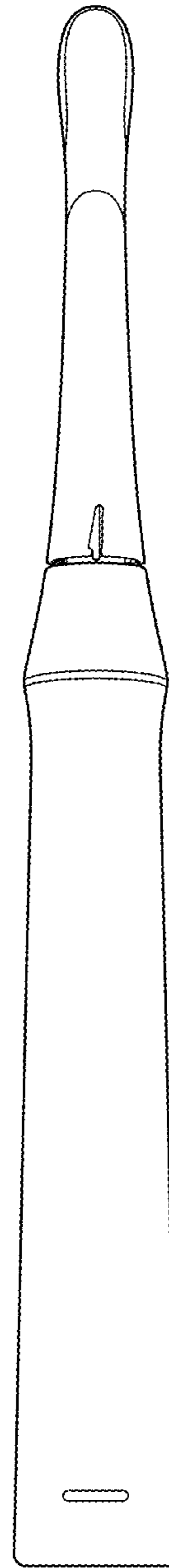


FIG. 3

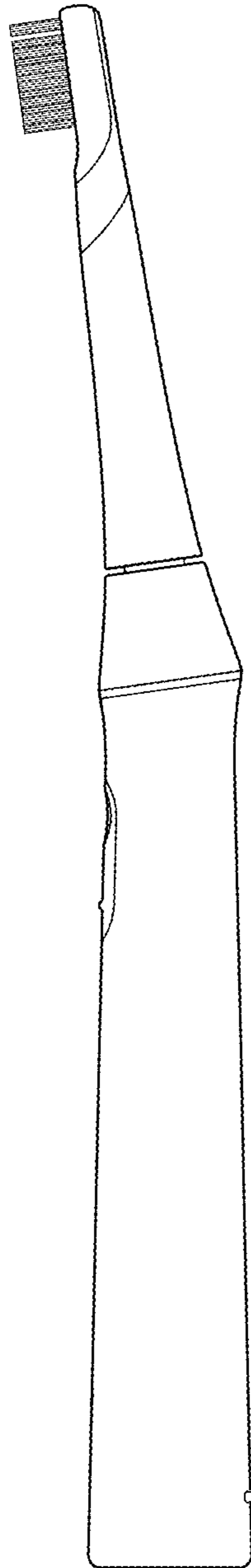


FIG. 4

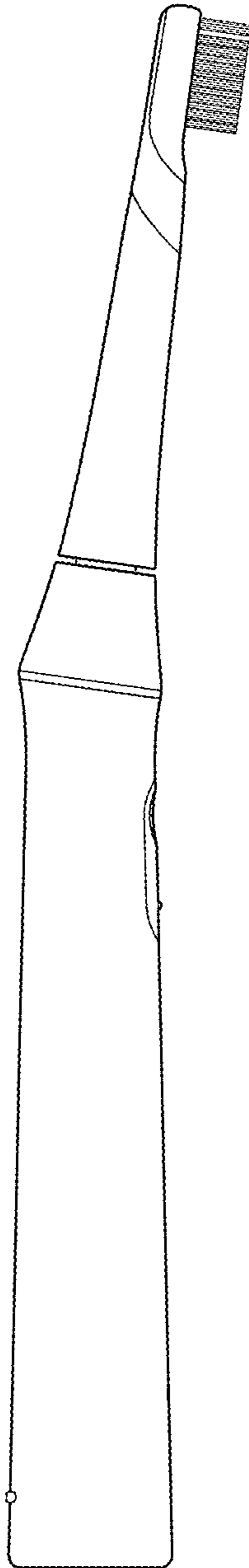


FIG. 5

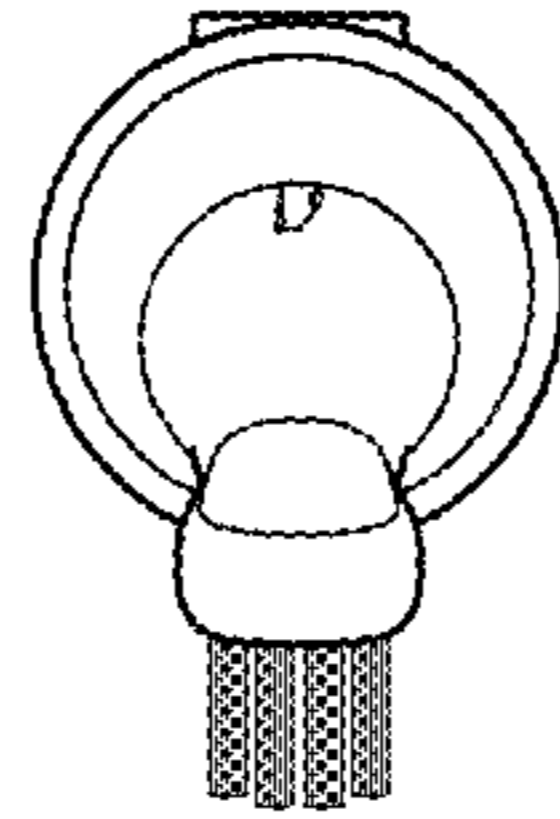


FIG. 6

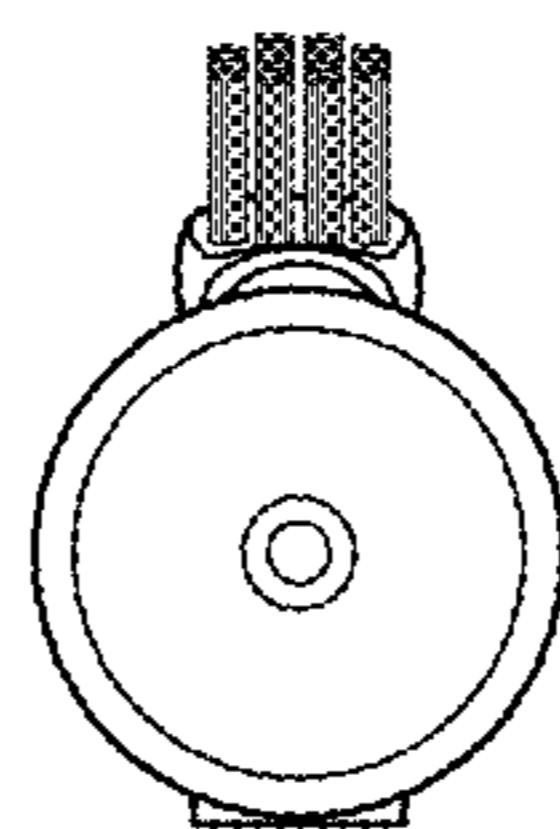


FIG. 7

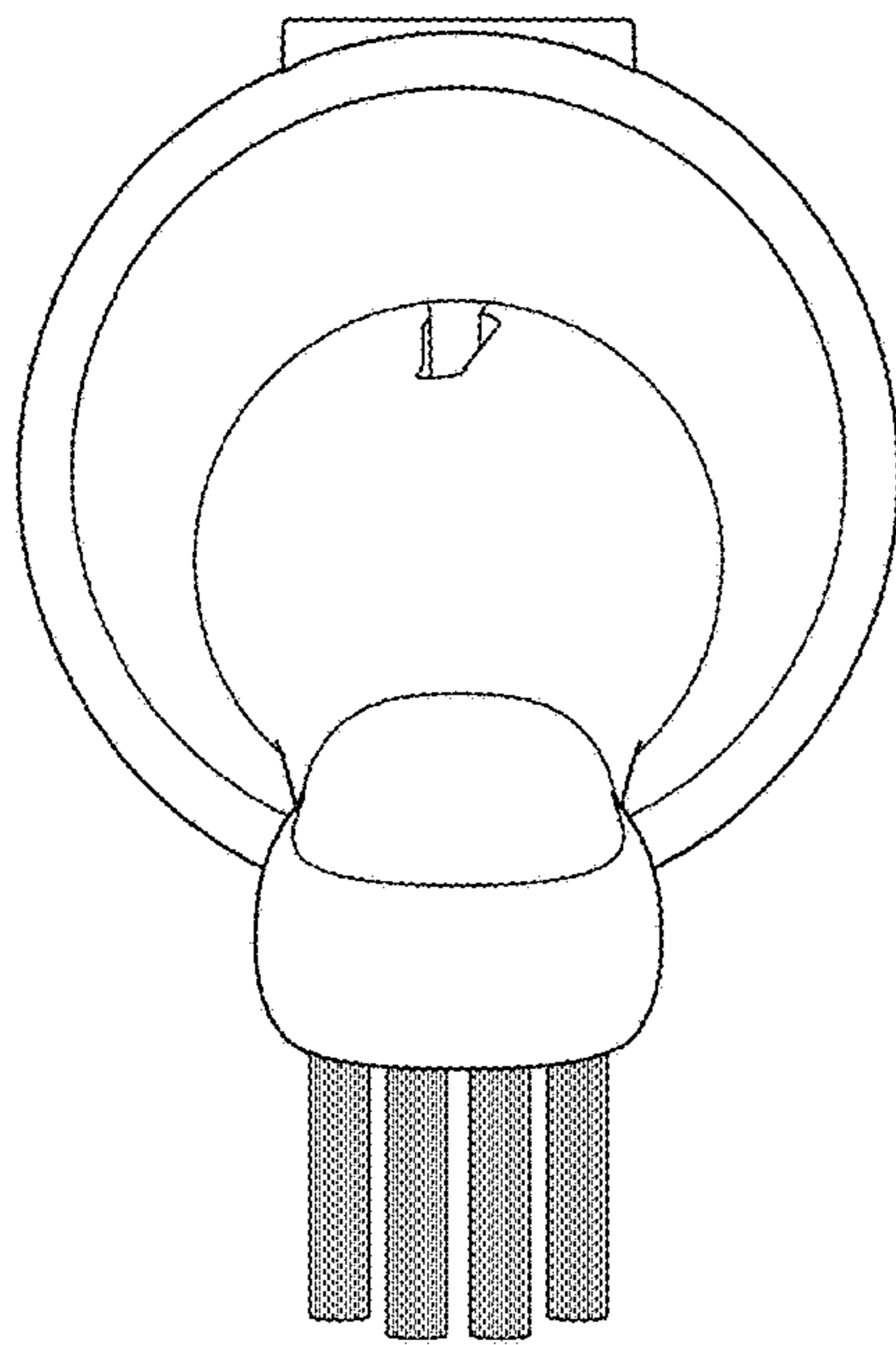


FIG. 8

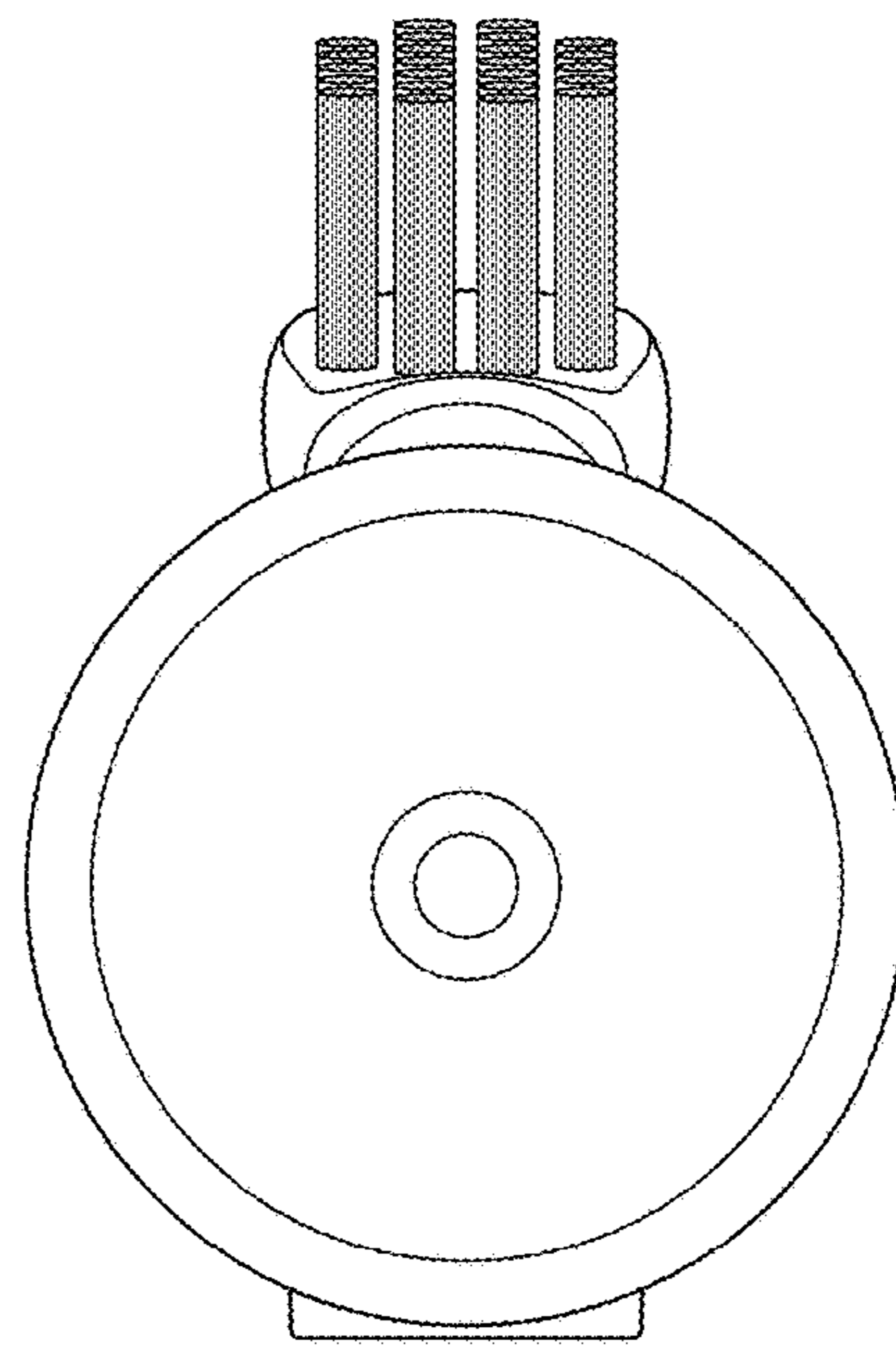


FIG. 9



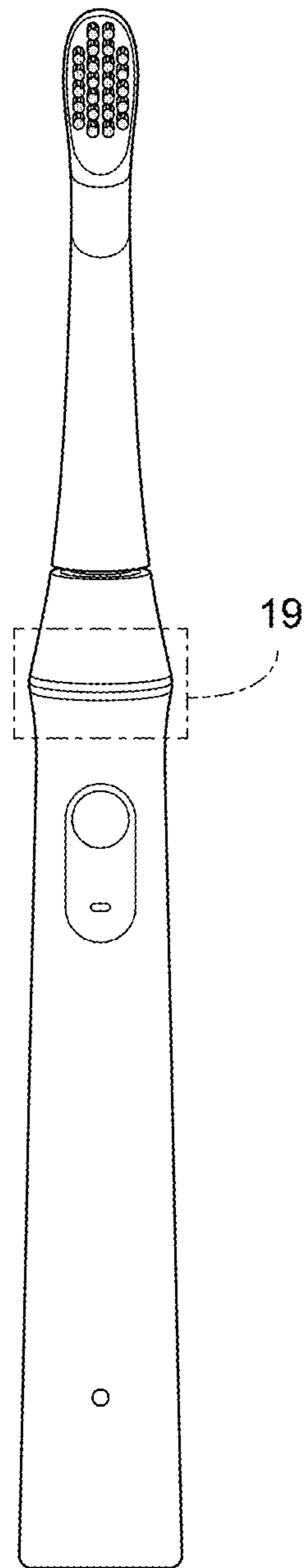


FIG 10

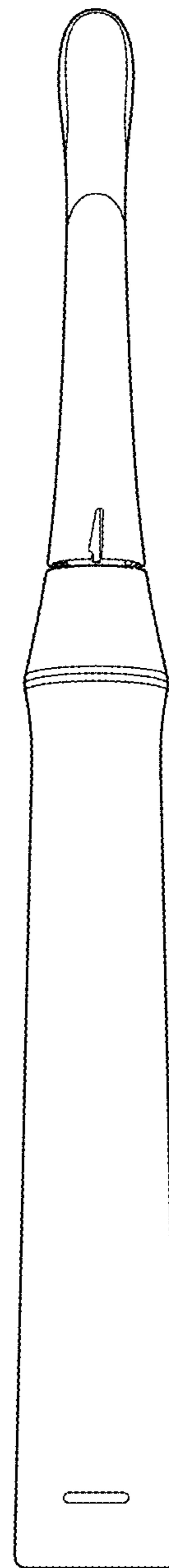


FIG 11



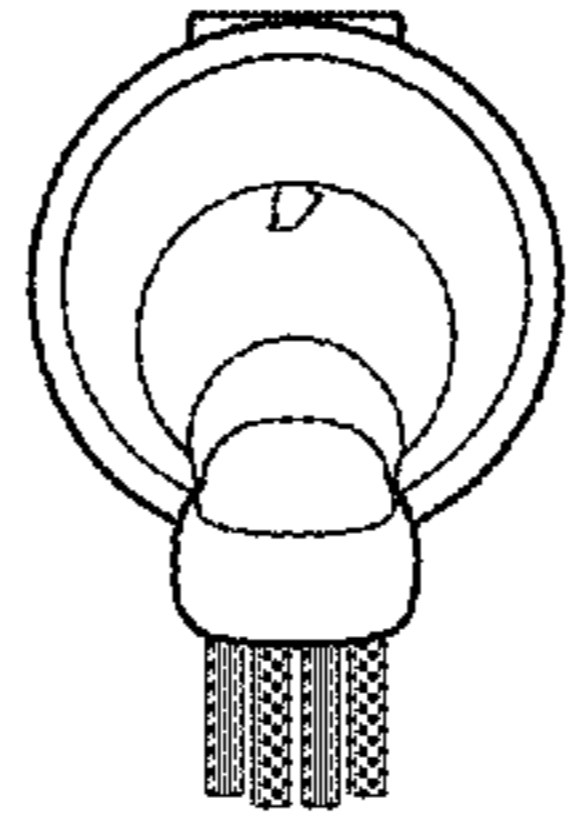


FIG 12

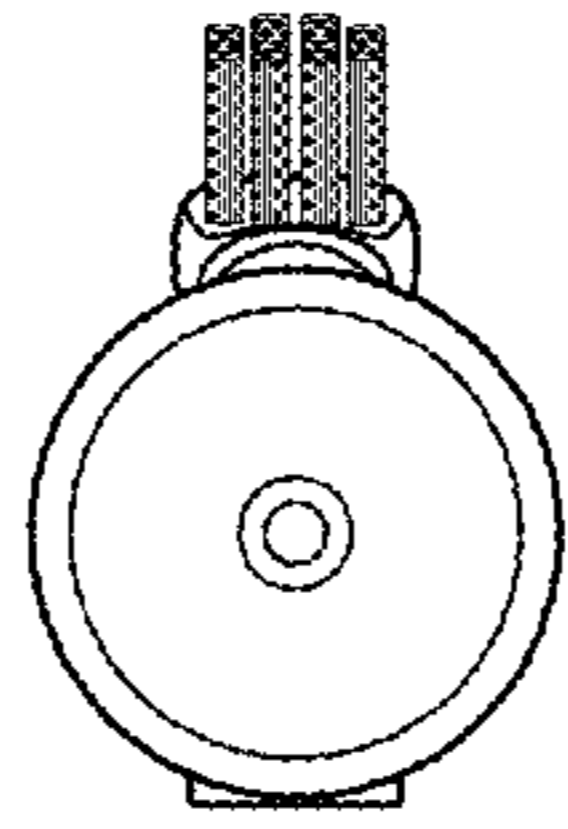


FIG 13

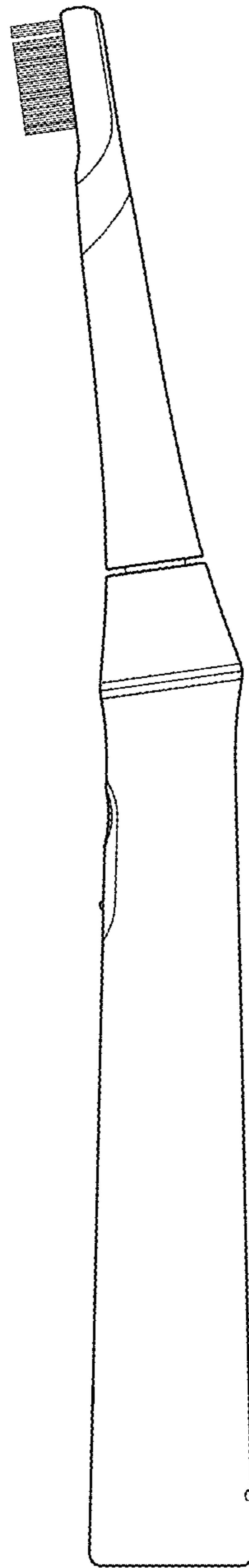


FIG 14

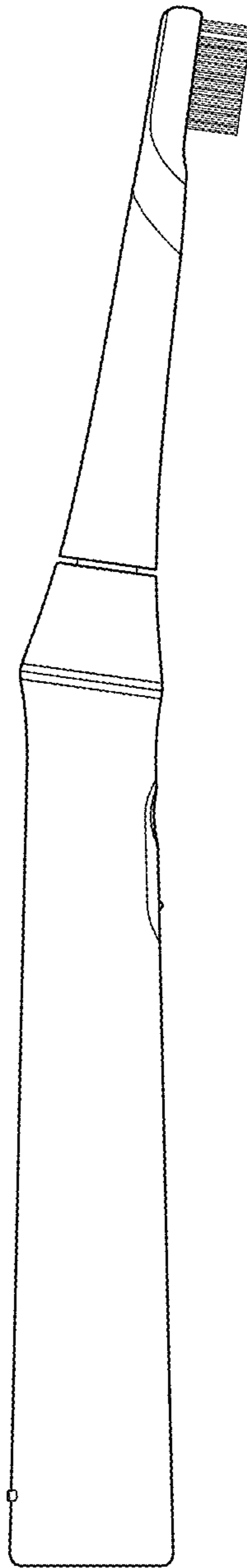


FIG 15

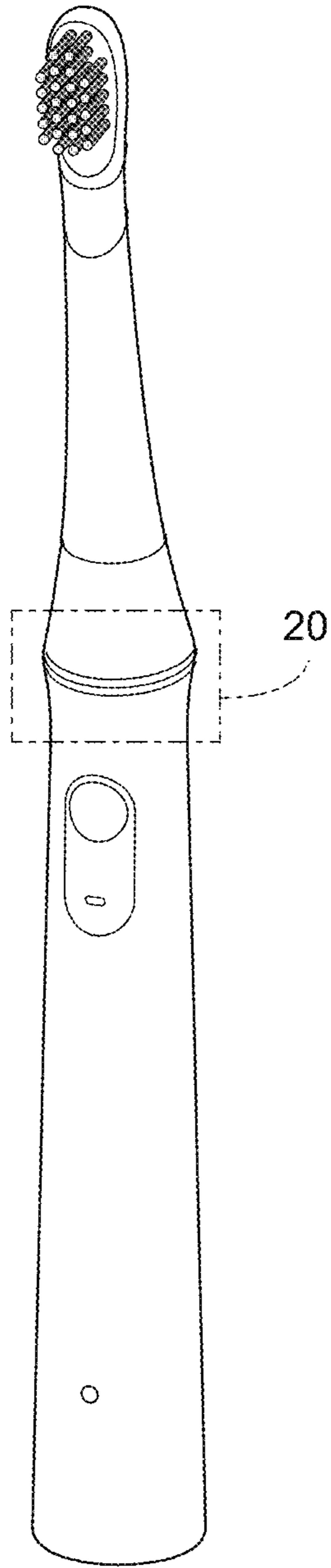


FIG 16

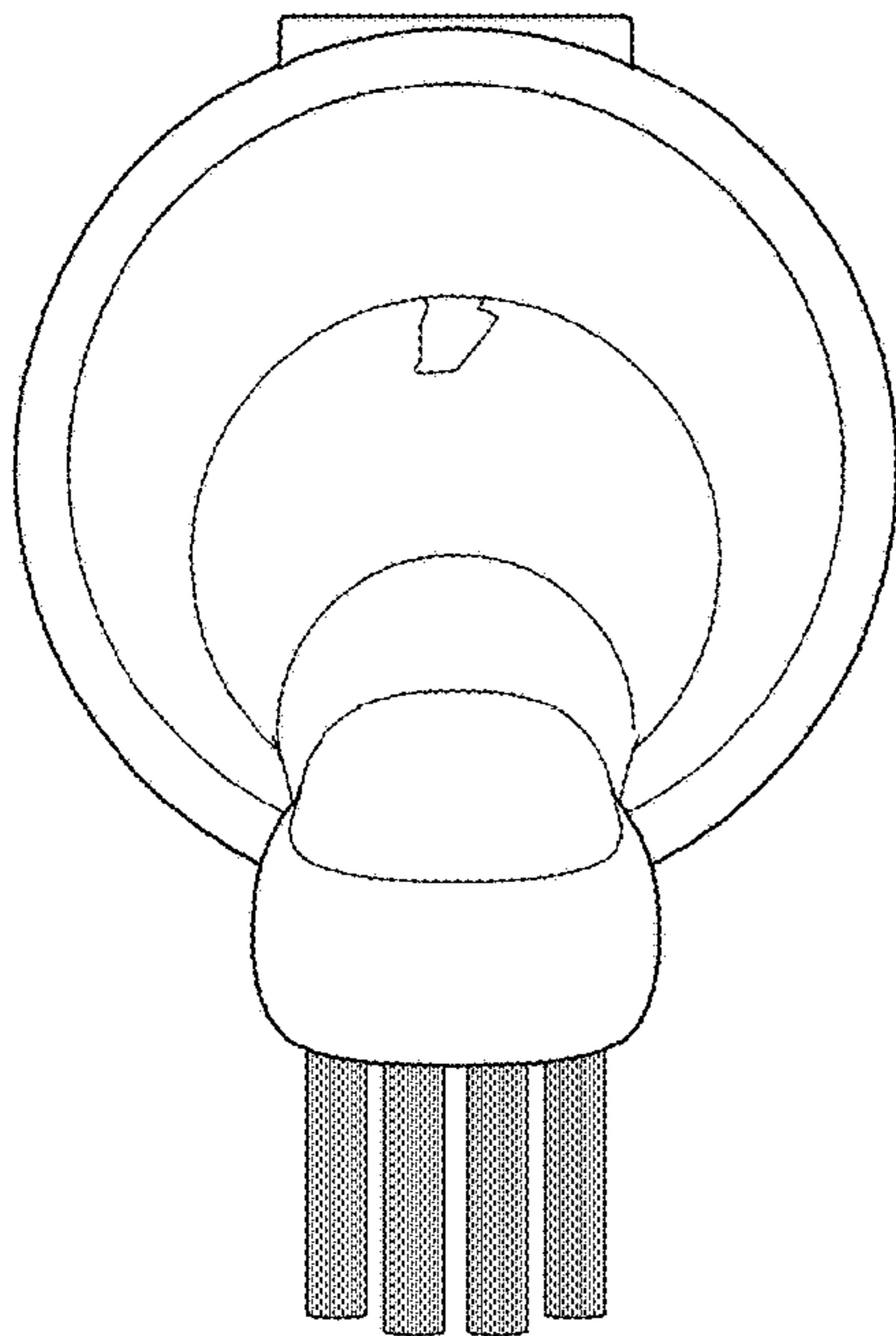


FIG 17

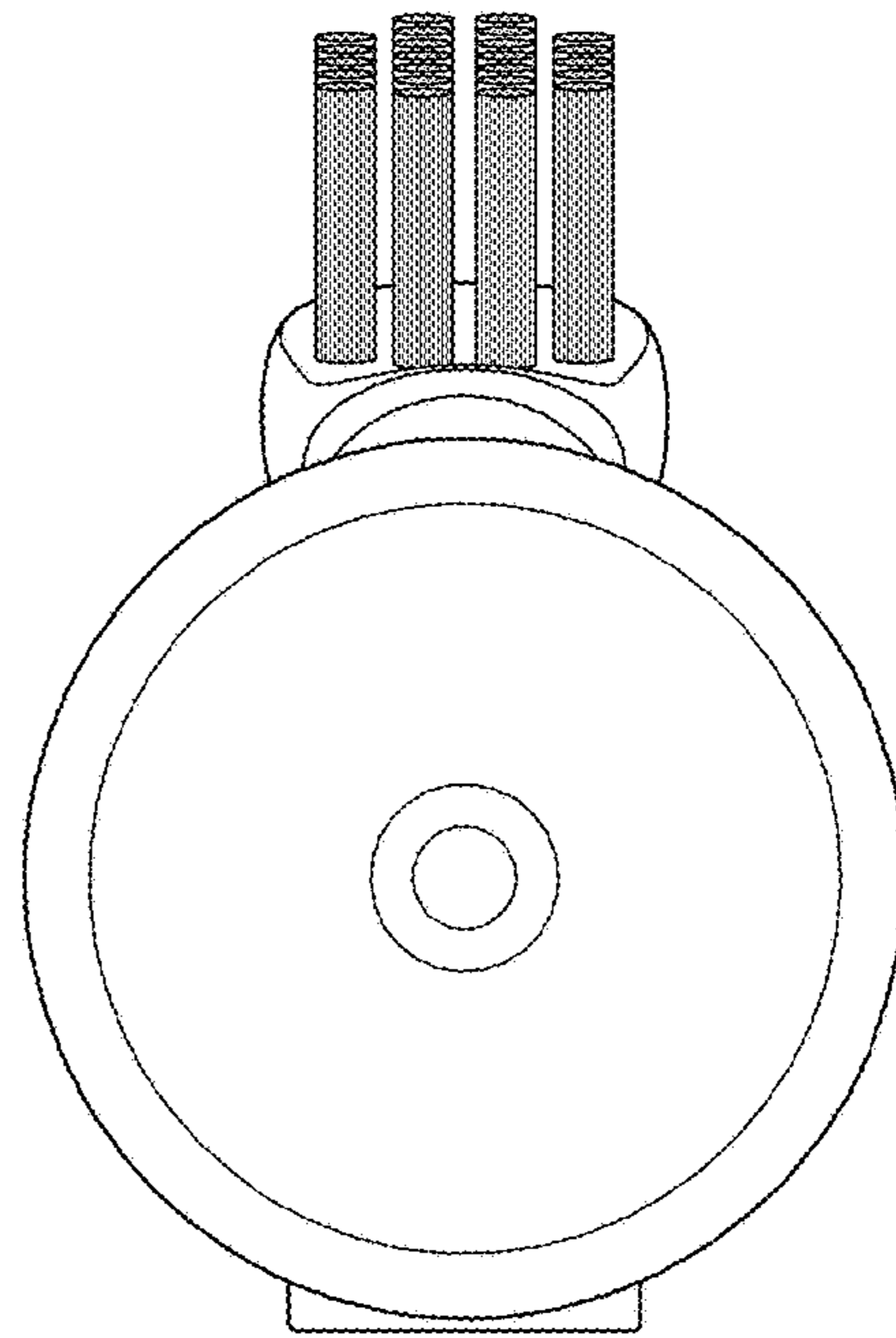


FIG 18

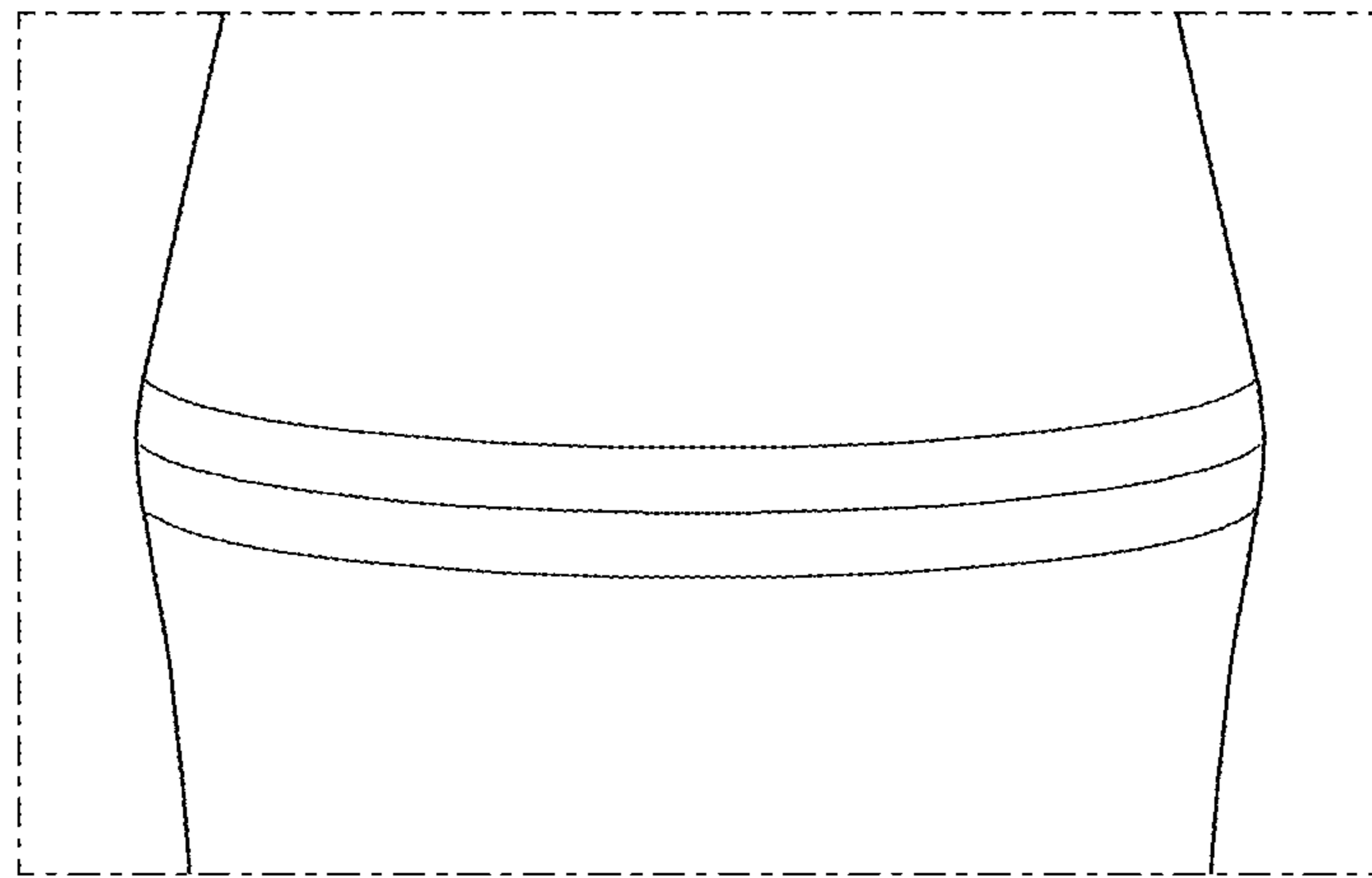


FIG 19

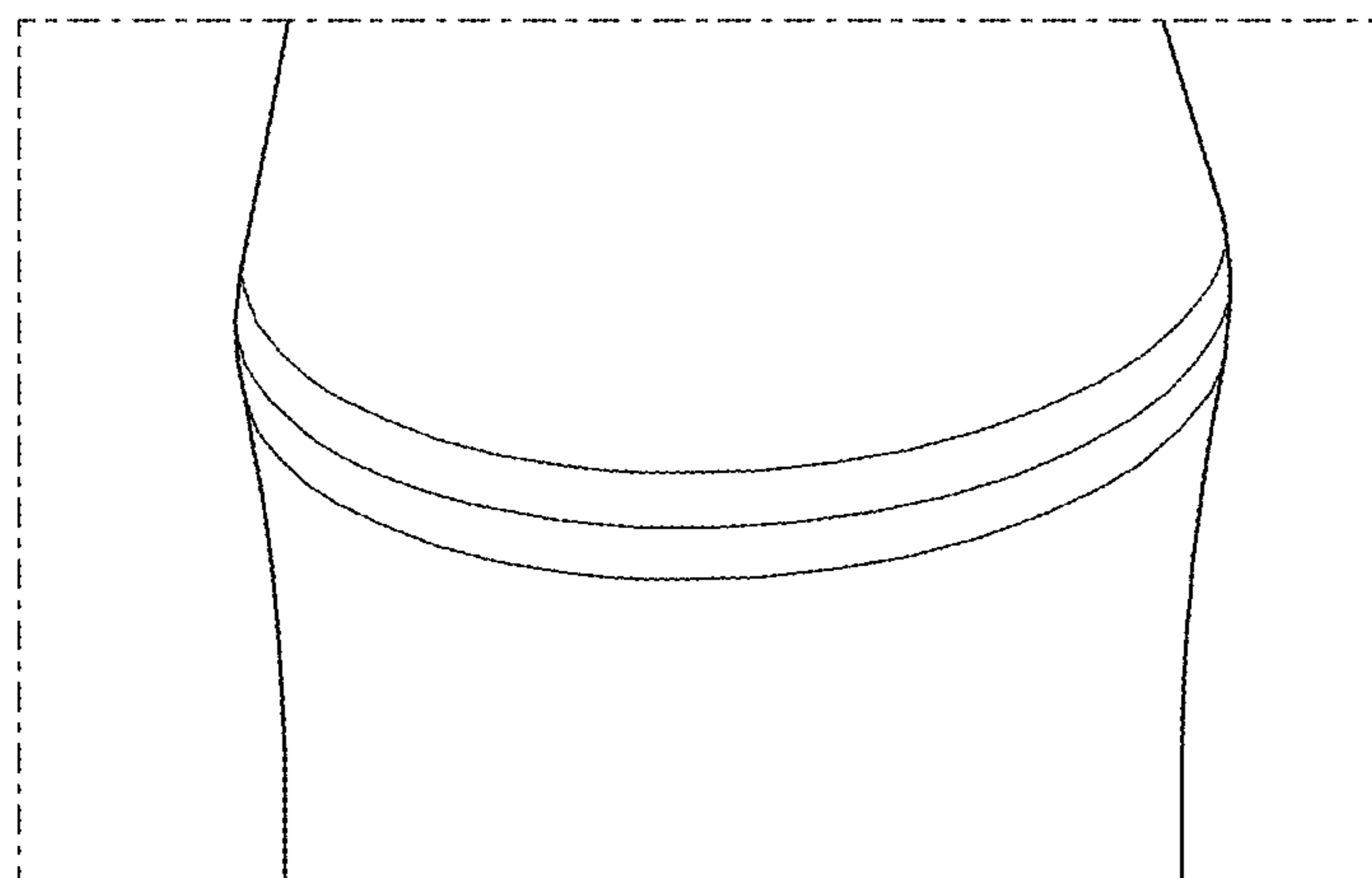


FIG 20