



US00D776435S

(12) **United States Design Patent** (10) **Patent No.:** **US D776,435 S**
Bloch et al. (45) **Date of Patent:** **** Jan. 17, 2017**

(54) **HEAD PORTION OF A TOOTHBRUSH**

5,448,792 A 9/1995 Wiedemann et al.

5,453,644 A 9/1995 Yap et al.

(71) Applicant: **COLGATE-PALMOLIVE COMPANY**, Piscataway, NJ (US)

5,577,285 A 11/1996 Drossler

5,778,474 A 7/1998 Shek

(Continued)

(72) Inventors: **Brian Bloch**, Hillsborough, NJ (US);
Lars Ralf Rainer Lieberwirth,
Glashuetten (DE)

FOREIGN PATENT DOCUMENTS

CA 2145065 11/2002

CA 2727682 5/2003

(Continued)

(73) Assignee: **COLGATE-PALMOLIVE COMPANY**, New York, NY (US)

Primary Examiner — Susan E Krakower

Assistant Examiner — Lisa A Grabenstetter

(**) Term: **14 Years**

(21) Appl. No.: **29/477,158**

(57) **CLAIM**

The ornamental design for head portion of a toothbrush, as shown and described.

(22) Filed: **Dec. 19, 2013**

(51) **LOC (10) Cl.** **04-02**

(52) **U.S. Cl.**

USPC **D4/101**

(58) **Field of Classification Search**

USPC D4/101, 104-112; 15/110, 167.1, 167.2,
15/207.2; 132/308-311; 601/139, 141,
601/142; 606/161

CPC A46B 3/00; A46B 3/005; A46B 3/22;
A46B 9/00; A46B 9/005; A46B
9/02; A46B 9/04; A46B 9/045; A46B
15/0075; A46B 15/0081; A46B 2200/10;
A46B 2200/1026; A46B
2200/1066; A46B 2200/173; A46B
2200/186; A61B 17/244; A61C
17/16; A61C 17/22; A61C 17/222; A61C
17/24; A61C 17/32; A61C 17/3409; A61C
17/3427; A61C 17/3436; A61C 17/3445;
A61C 17/3449; A61C 17/3472

See application file for complete search history.

DESCRIPTION

FIG. 1 is a front perspective view according to a first embodiment of a head portion of a toothbrush showing our new design;

FIG. 2 is a rear perspective view thereof;

FIG. 3 is a front view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is a right side view thereof;

FIG. 6 is a left side view thereof;

FIG. 7 is a top plan view thereof; and

FIG. 8 is a bottom plan view thereof.

FIG. 9 is a front perspective view of a second embodiment of a head portion of a toothbrush showing our new design;

FIG. 10 is a rear perspective view thereof;

FIG. 11 is a front view thereof;

FIG. 12 is a rear view thereof;

FIG. 13 is a right side view thereof;

FIG. 14 is a left side view thereof;

FIG. 15 is a top plan view thereof; and,

FIG. 16 is a bottom plan view thereof.

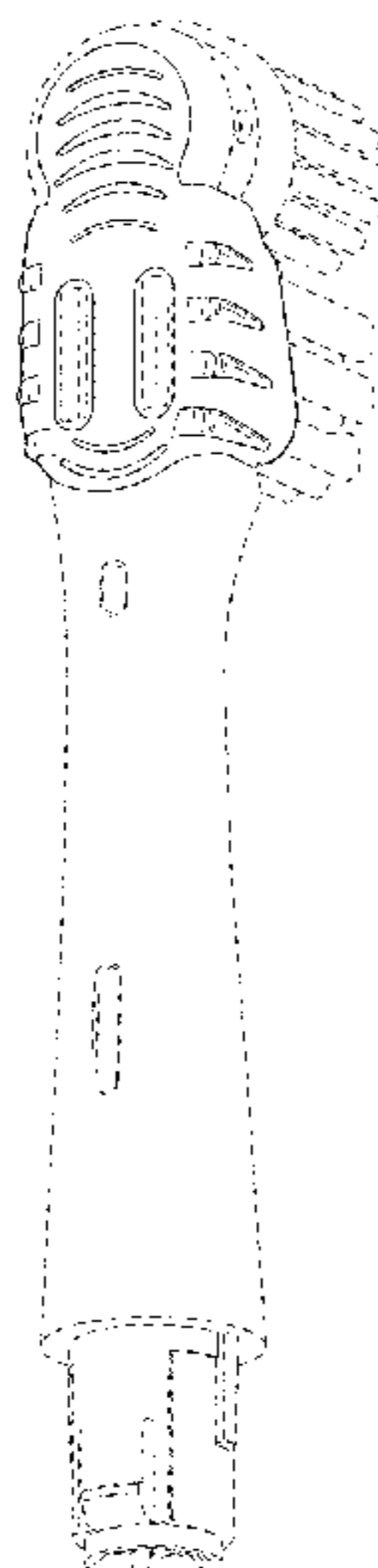
The broken lines depicting a toothbrush head and bristles represent unclaimed portions of the design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,277,862 A 7/1981 Weideman
D353,490 S 12/1994 Hartwein

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D411,769 S 7/1999 Wright
 6,000,083 A 12/1999 Blaustein et al.
 6,151,745 A 11/2000 Roberts et al.
 6,189,693 B1 2/2001 Blaustein et al.
 6,311,358 B1 11/2001 Soetewey et al.
 D458,029 S 6/2002 Li
 D470,660 S 2/2003 Schaber
 6,574,820 B1 6/2003 DePuydt et al.
 D480,563 S 10/2003 Hensel
 D487,349 S 3/2004 Julian
 6,725,490 B2 4/2004 Blaustein et al.
 D500,208 S 12/2004 Vu
 D503,852 S 4/2005 Hensel
 6,886,207 B1 5/2005 Solanki
 D510,662 S 10/2005 Kling et al.
 6,952,854 B2 10/2005 Blaustein et al.
 D512,224 S * 12/2005 Crossman D4/101
 6,988,777 B2 1/2006 Pfenniger et al.
 D527,903 S 9/2006 Chan
 7,124,461 B2 10/2006 Blaustein et al.
 D534,725 S 1/2007 Vu
 D536,876 S * 2/2007 Chan D4/101
 7,197,784 B2 4/2007 Wong
 D547,051 S 7/2007 Kirk, III et al.
 7,269,872 B2 9/2007 Fattori et al.
 D563,106 S 3/2008 Chan et al.
 D575,064 S * 8/2008 Wong D4/104
 D576,797 S * 9/2008 Moskovich D4/108
 D577,198 S 9/2008 Jimenez et al.
 D581,165 S * 11/2008 Moskovich D4/108
 D581,166 S * 11/2008 Moskovich D4/108
 D581,167 S * 11/2008 Moskovich D4/108
 7,451,514 B2 11/2008 Blaustein et al.
 D582,163 S * 12/2008 Moskovich D4/108
 7,458,647 B2 12/2008 Fischer et al.
 D585,198 S * 1/2009 Moskovich D4/108
 D603,170 S * 11/2009 Wong D4/108
 D611,712 S 3/2010 Stoerkel et al.
 7,707,676 B2 5/2010 Solanki
 D625,104 S 10/2010 Winkler
 D625,105 S 10/2010 Winkler
 D632,894 S 2/2011 Shigeno et al.
 7,941,886 B2 5/2011 Chenvainu et al.
 D640,469 S * 6/2011 Nanda D4/112
 7,975,344 B2 7/2011 Braun et al.
 D642,803 S * 8/2011 Bartschi D4/104
 7,992,244 B2 8/2011 Prineppi
 8,060,970 B2 11/2011 Solanki
 D651,805 S * 1/2012 Hay D4/101
 D653,035 S 1/2012 Gebski
 D655,916 S * 3/2012 Bartschi D4/104
 D660,004 S * 5/2012 Knutzen et al. D4/108
 8,234,742 B2 8/2012 Blaustein et al.
 D669,687 S 10/2012 Heil et al.
 D671,746 S * 12/2012 Lee D4/108
 8,332,982 B2 12/2012 Braun et al.
 8,332,985 B2 12/2012 Solanki
 D673,775 S 1/2013 Jimenez et al.
 D676,662 S 2/2013 Jimenez et al.
 8,370,984 B2 2/2013 Farrell et al.
 8,418,301 B2 4/2013 Kressner
 8,434,183 B2 5/2013 Fritsch et al.
 8,468,634 B2 6/2013 Iwahori et al.
 8,528,148 B2 9/2013 Brown, Jr. et al.
 8,584,299 B2 11/2013 Chan et al.
 D697,311 S * 1/2014 Herr et al. D4/106
 2002/0084550 A1 7/2002 Roberts et al.
 2003/0084524 A1 5/2003 Blaustein et al.
 2004/0087882 A1 5/2004 Roberts et al.
 2004/0177458 A1 9/2004 Chan et al.
 2004/0200016 A1 10/2004 Chan et al.
 2005/0086753 A1 4/2005 Roberts et al.
 2006/0085931 A1 4/2006 Roberts et al.
 2007/0234496 A1 10/2007 Roberts et al.
 2010/0251493 A1 10/2010 Sale et al.

2011/0047729 A1 3/2011 Iwahori et al.
 2011/0083288 A1 4/2011 Kressner
 2012/0036655 A1 2/2012 Fritsch et al.
 2012/0204365 A1 8/2012 Kressner
 2012/0246846 A1 10/2012 Hall

FOREIGN PATENT DOCUMENTS

CA 2727867 5/2003
 CA D106400 6/2004
 CA D106401 6/2004
 CA 2644300 11/2004
 CA D103743 1/2005
 CA 2221796 5/2005
 CA 2374479 12/2005
 CA D111559 7/2006
 CA 2199970 5/2007
 CA 2634392 6/2007
 CA 2649473 11/2007
 CA 2803801 8/2008
 CA 2550728 10/2008
 CA 2465486 1/2009
 CA 2465488 1/2009
 CA D121892 1/2009
 CA D121894 1/2009
 CA 2532727 2/2009
 CA 2494755 5/2009
 CA 2523180 7/2009
 CA 2462435 10/2009
 CA 2477314 10/2009
 CA 2591699 11/2009
 CA 2742912 5/2010
 CA 2755997 9/2010
 CA 2760067 10/2010
 CA 2766373 12/2010
 CA 2497733 2/2011
 CA 2465902 5/2011
 CA 2579039 5/2011
 CA 2589607 5/2011
 CA 2644304 6/2011
 CA 2781242 6/2011
 CA 2781245 6/2011
 CA 2518405 7/2011
 CA D140845 1/2012
 CA D140847 1/2012
 CA D142396 1/2012
 CA 2479945 8/2012
 CA 2521848 8/2012
 CA 2514911 11/2012
 CA 2781418 12/2012
 CA D135253 12/2012
 CA 2548425 1/2013
 CA 2549461 2/2013
 CA 2759094 4/2013
 CN 1424001 6/2003
 CN 2636836 9/2004
 CN 1548011 11/2004
 CN 2652351 11/2004
 CN 1568901 1/2005
 CN 201042465 4/2008
 CN 300909803 4/2009
 CN 300966813 7/2009
 CN 201370645 12/2009
 CN 301354565 S 9/2010
 CN 201727600 2/2011
 CN 201727601 2/2011
 CN 301548727 S 5/2011
 CN 301555643 S 5/2011
 CN 201870760 6/2011
 CN 202113181 1/2012
 EM 000037007-0001 10/2003
 EM 000065255-0001 11/2003
 EM 000065255-0002 11/2003
 EM 000065255-0003 11/2003
 EM 000101076-0001 2/2004
 EM 000101076-0002 2/2004
 EM 000774484-0003 1/2008
 EM 001127815-0001 6/2009
 EM 001775412-0001 3/2012

(56)

References Cited

FOREIGN PATENT DOCUMENTS

EM	002078147-0001	7/2012	WO	WO 03/017861	3/2003
EM	002163675-0001	1/2013	WO	WO 03/024353	3/2003
EM	002174730-0001	1/2013	WO	WO 03/039393	5/2003
EM	002174730-0002	1/2013	WO	WO 03/039396	5/2003
EP	0360766	3/1990	WO	WO 03/039397	5/2003
EP	0628291	12/1994	WO	WO 03/055351	7/2003
EP	1093770	4/2001	WO	WO 03/075712	9/2003
EP	2441159	6/2010	WO	WO 2004/045448	6/2004
EP	2289463	3/2011	WO	WO 2004/056235	7/2004
EP	1776893	1/2013	WO	WO 2004/080330	9/2004
EP	1485039	2/2013	WO	WO 2004/091340	10/2004
EP	1641602	3/2013	WO	WO 2004/093719	11/2004
EP	2092845	3/2013	WO	WO 2005/009274	2/2005
EP	2111181	3/2013	WO	WO 2005/032398	4/2005
GB	395624	7/1933	WO	WO 2005/063143	7/2005
GB	2303855	3/1997	WO	WO 2005/063144	7/2005
RU	57329	8/2005	WO	WO 2005/115196	12/2005
RU	57797	9/2005	WO	WO 2006/029235	3/2006
RU	68516	12/2008	WO	WO 2006/063226	6/2006
RU	69783	4/2009	WO	WO 2008/029377	3/2008
RU	74165	3/2010	WO	WO 2010/023644	3/2010
RU	75350	7/2010	WO	WO 2010/025820	3/2010
RU	75625	7/2010	WO	WO 2010/051080	5/2010
WO	WO 96/31171	10/1996	WO	WO 2010/106522	9/2010
WO	WO 96/37164	11/1996	WO	WO 2010/113140	10/2010
WO	WO 98/01083	1/1998	WO	WO 2010/143166	12/2010
WO	WO 99/37181	7/1999	WO	WO 2010/151582	12/2010
WO	WO 00/44259	8/2000	WO	WO 2011/072865	6/2011
WO	WO 01/19281	3/2001	WO	WO 2011/077290	6/2011
WO	WO 01/28452	4/2001	WO	WO 2011/116935	9/2011
			WO	WO 2012/030908	3/2012
			WO	WO 2012/042493	4/2012
			WO	WO 2013/021716	2/2013

* cited by examiner

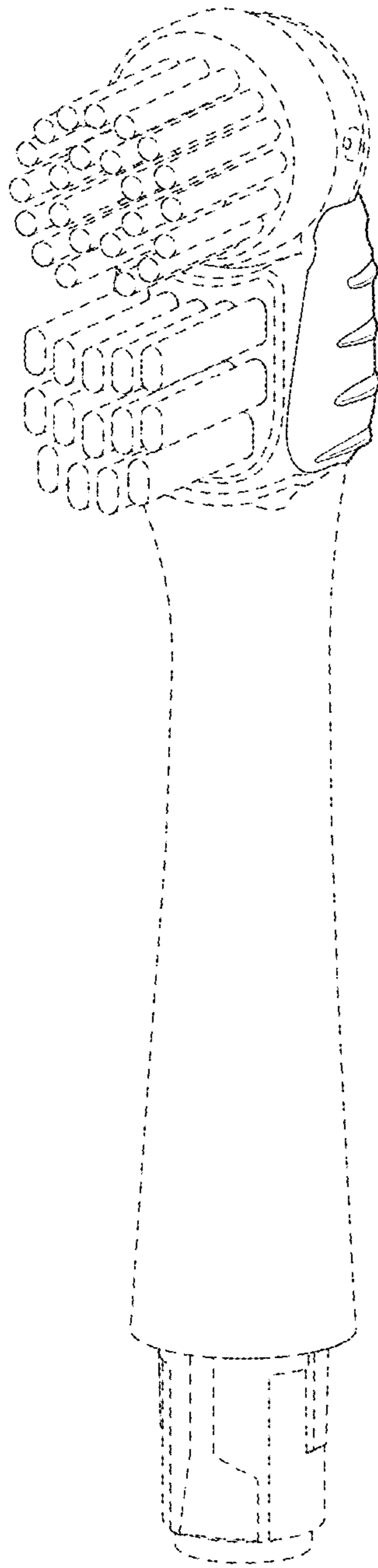


FIG. 1

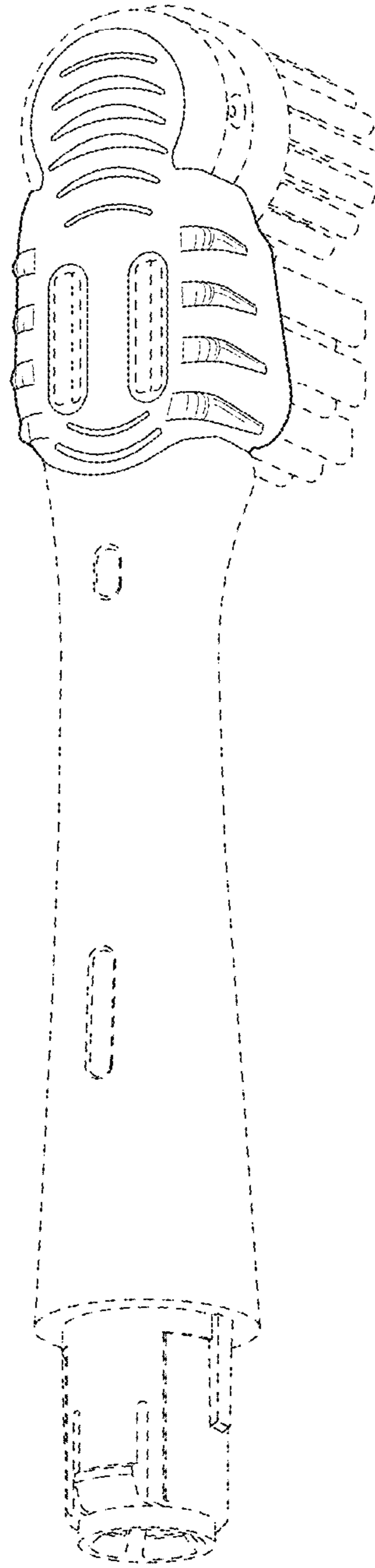


FIG. 2

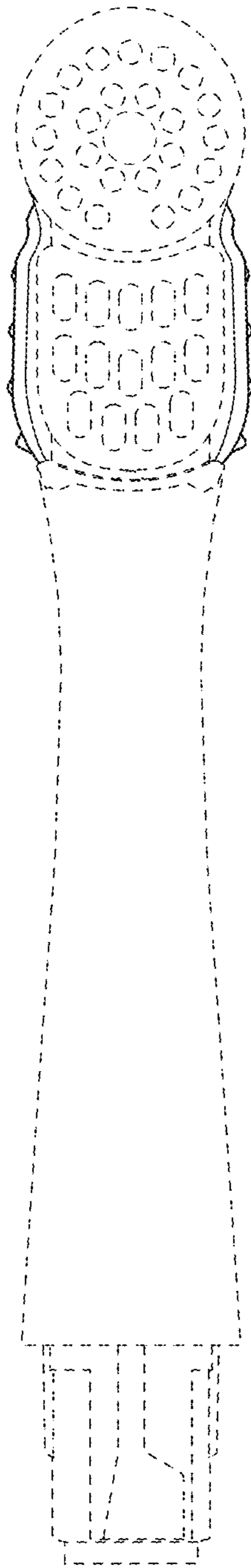


FIG. 3

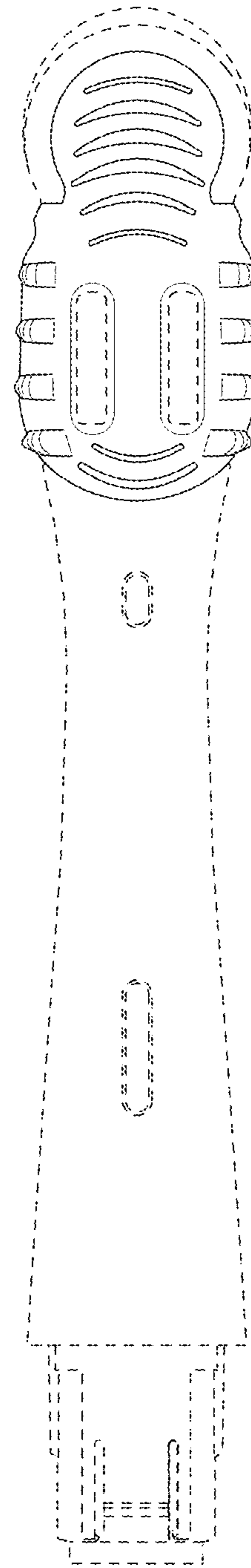


FIG. 4

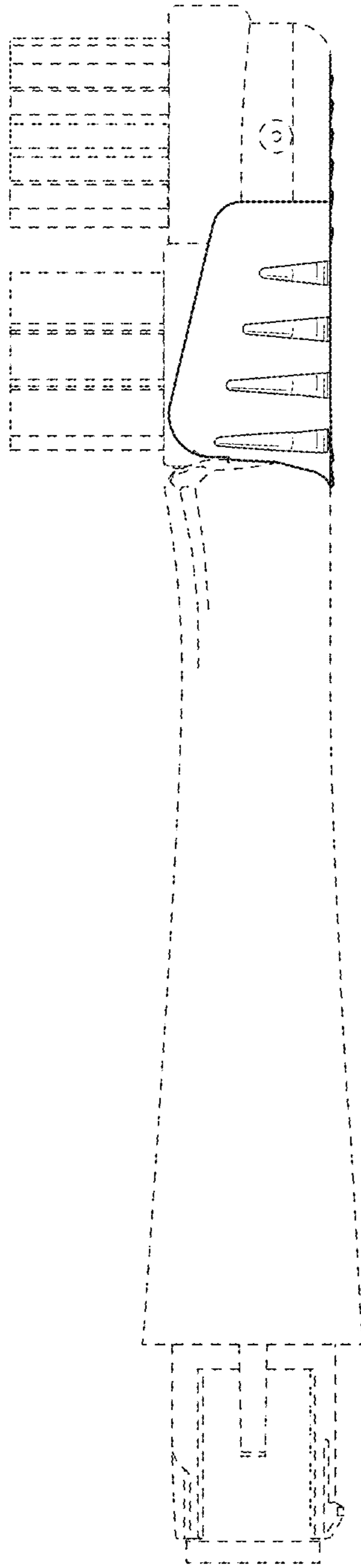


FIG. 5

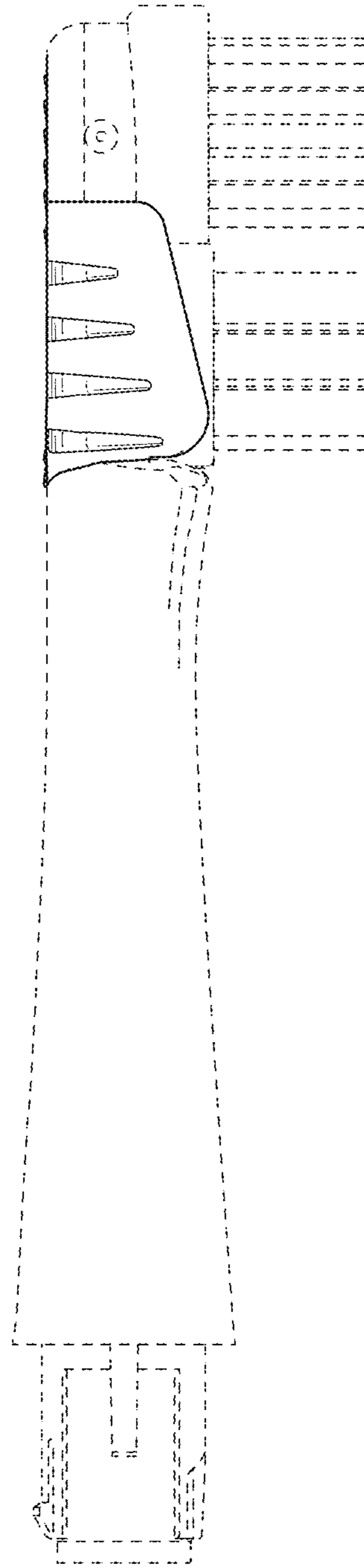


FIG. 6

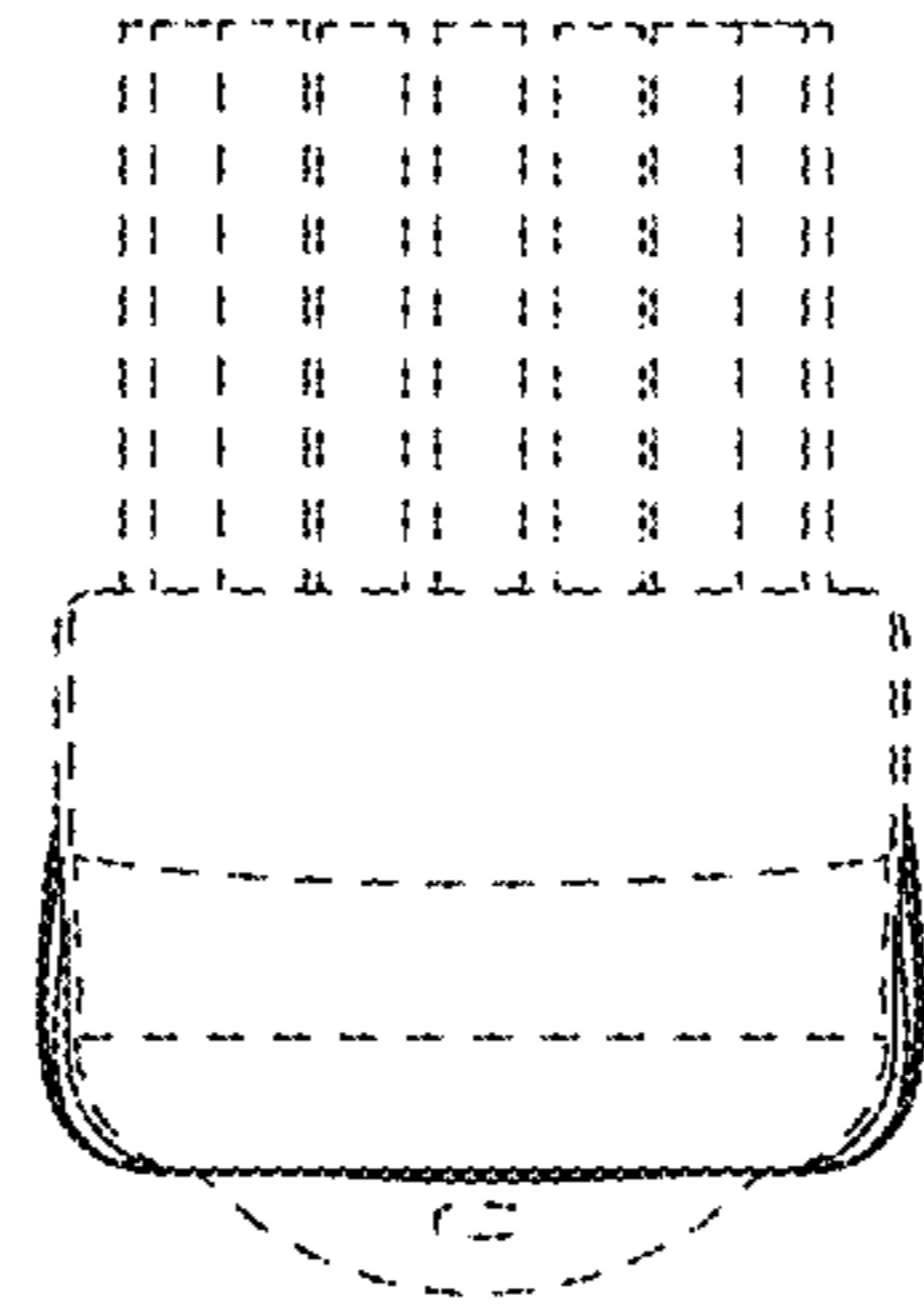


FIG. 7

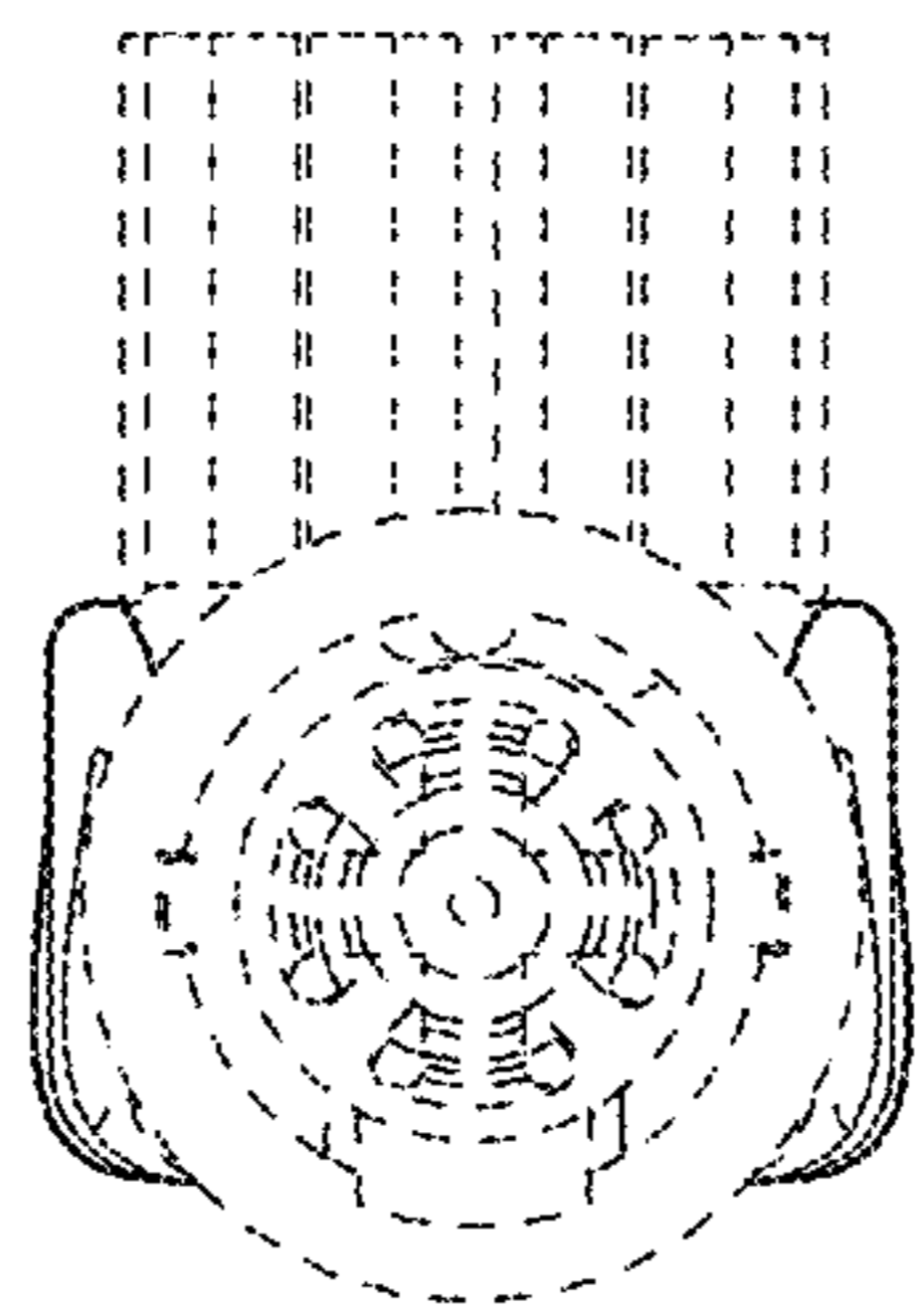


FIG. 8

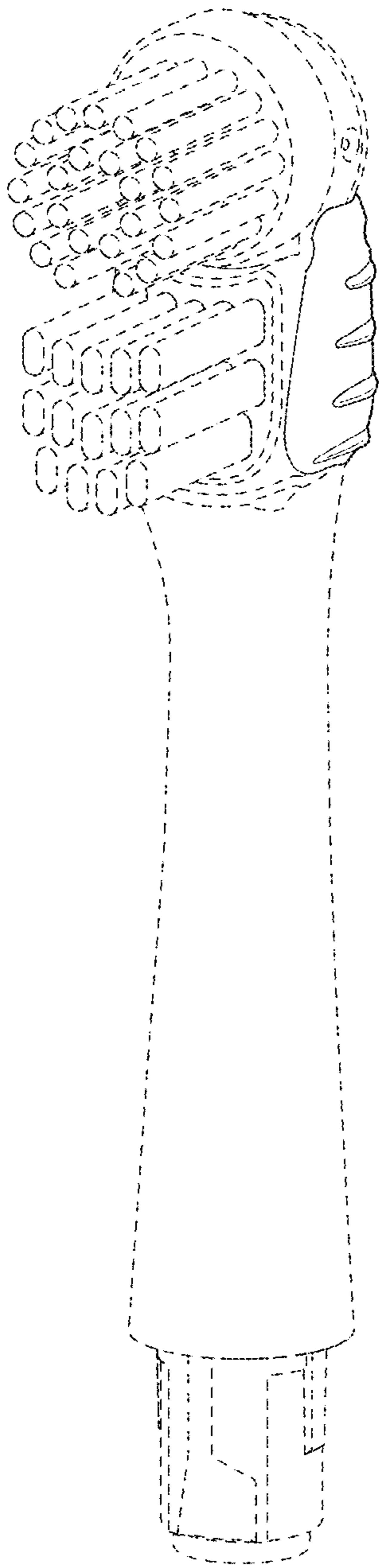


FIG. 9

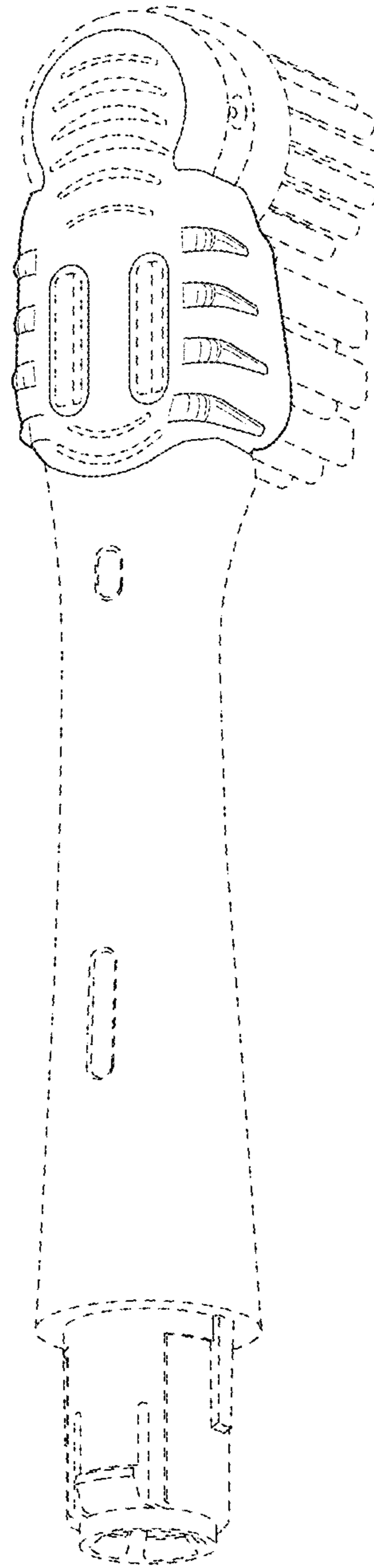


FIG. 10

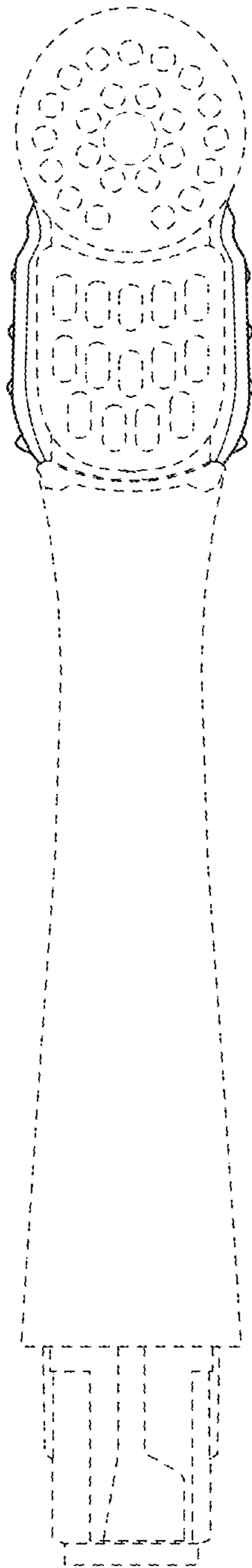


FIG. 11

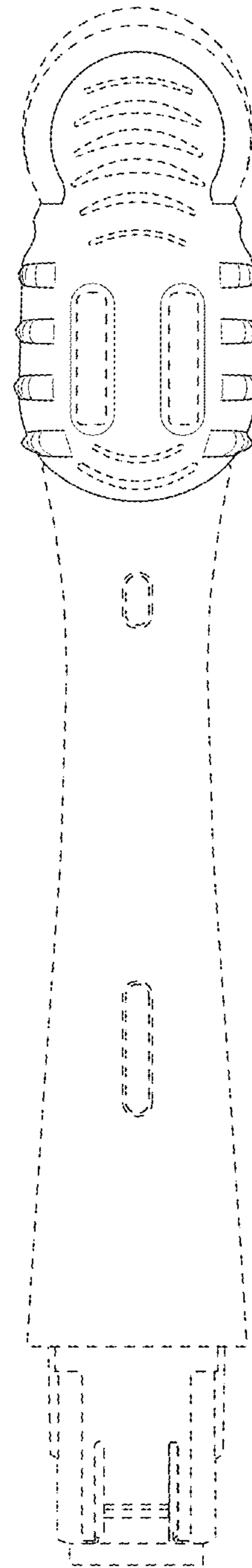


FIG. 12

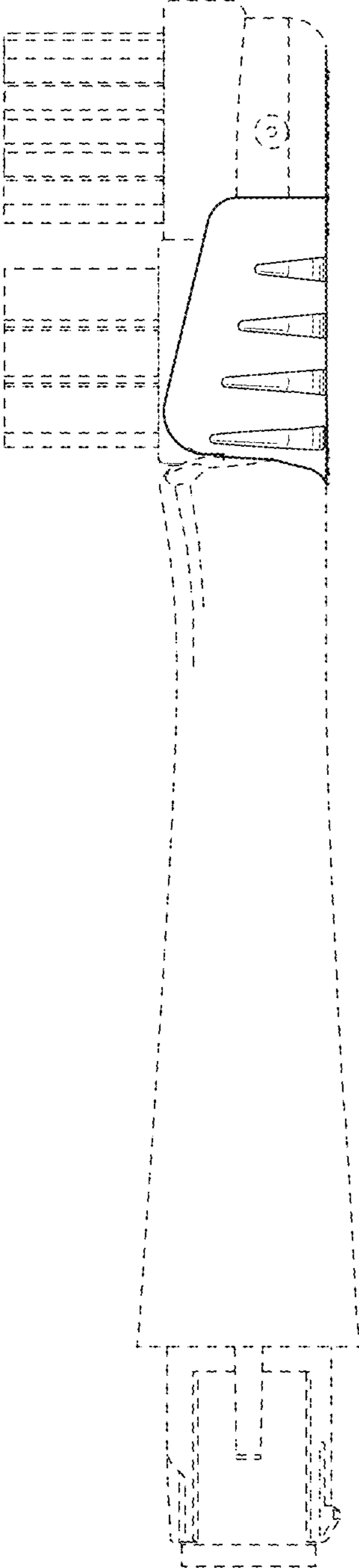


FIG. 13

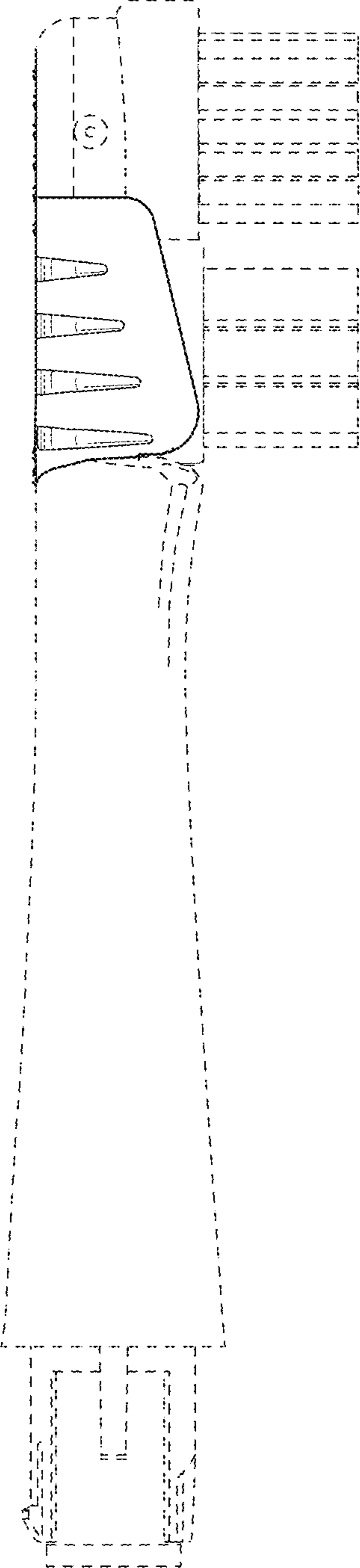


FIG. 14

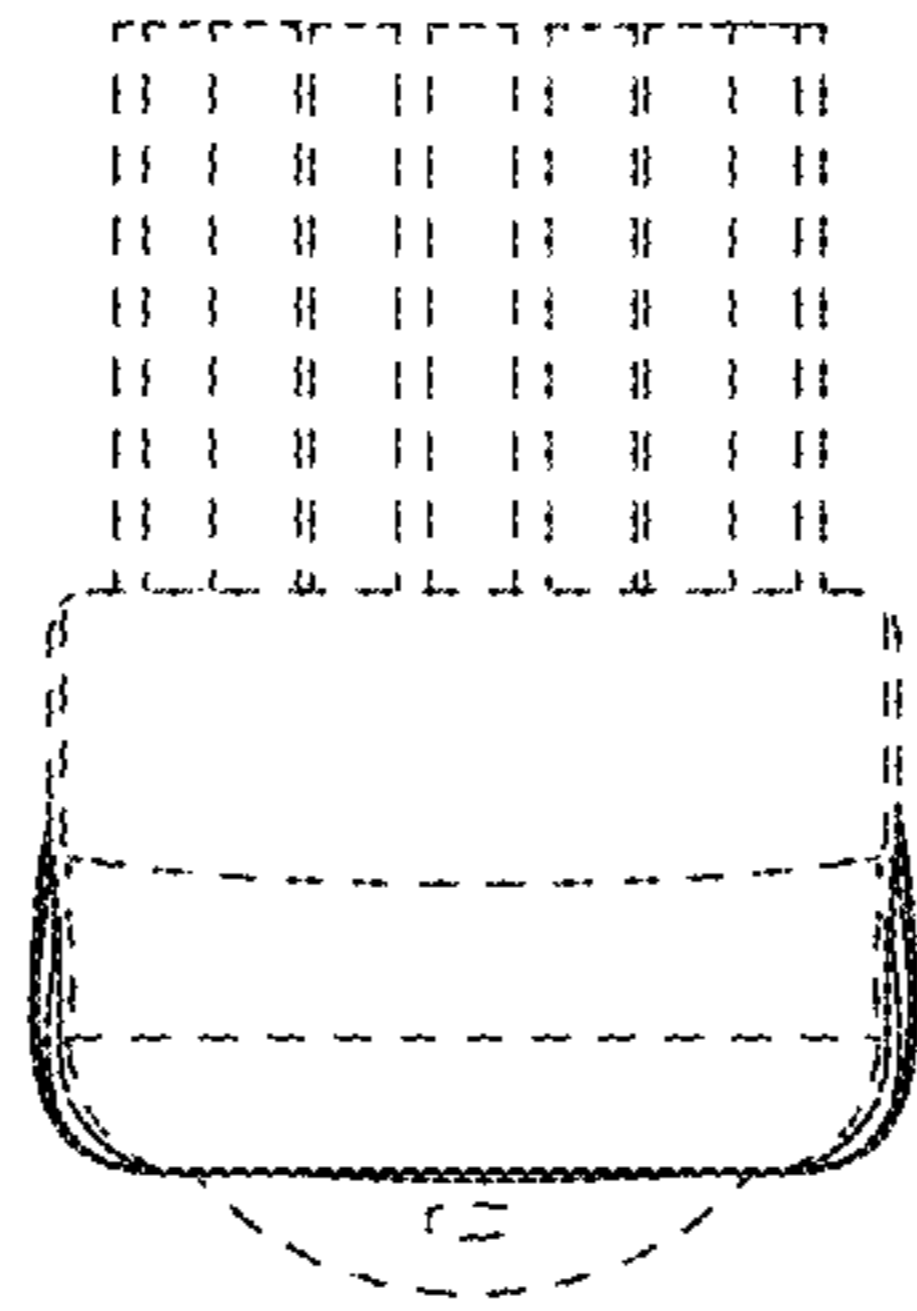


FIG. 15

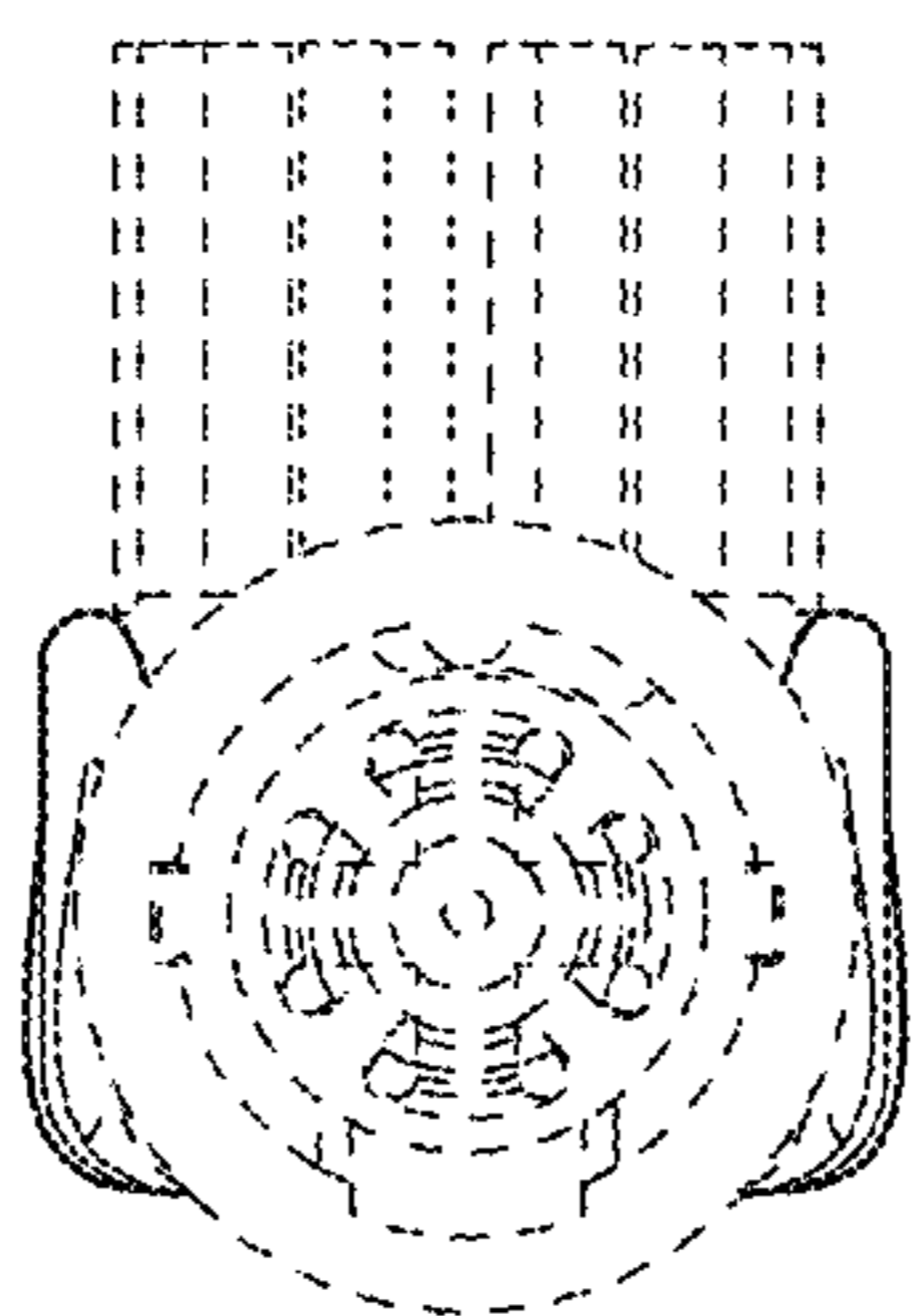


FIG. 16