



US00D776937S

(12) **United States Design Patent** (10) **Patent No.:** **US D776,937 S**  
**Xi et al.** (45) **Date of Patent:** **\*\* Jan. 24, 2017**

(54) **ORAL CARE IMPLEMENT** 5,392,483 A 2/1995 Heinzelman et al.  
D363,820 S 11/1995 Winge  
(71) Applicant: **COLGATE-PALMOLIVE** D370,565 S \* 6/1996 Huang ..... D4/104  
**COMPANY**, New York, NY (US) (Continued)

(72) Inventors: **Wen Jin Xi**, Shanghai (CN); **Bo Zhang**, Yangzhou (CN); **Yanmei Ji**, Yangzhou (CN); **Xiangji Ding**, Yangzhou (CN); **Jianrong Zhou**, Yangzhou (CN)  
FOREIGN PATENT DOCUMENTS  
AU 353381 1/2014  
AU 356727 8/2014  
(Continued)

(73) Assignee: **COLGATE-PALMOLIVE** OTHER PUBLICATIONS  
**COMPANY**, New York, NY (US)  
Baby Best Buy in Thailand Oral-B Stages 2 website, 2006, <http://www.babybestbuy.in.th/shop/oral-b-kid-toothbrush>.  
(Continued)

(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/533,942**  
(22) Filed: **Jul. 23, 2015**  
*Primary Examiner* — John Windmuller  
*Assistant Examiner* — Steven Czyz

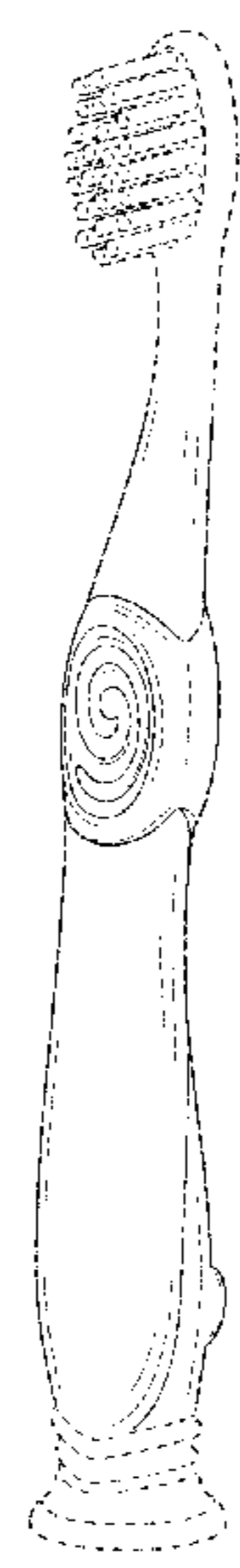
(51) **LOC (10) Cl.** ..... **04-02**  
(52) **U.S. Cl.**  
USPC ..... **D4/104**  
(57) **CLAIM**

(58) **Field of Classification Search**  
USPC ..... D4/101, 104–112, 132–134; 15/22.1, 15/159.1, 167.1; 132/308–311; 433/216  
CPC ..... A46B 2200/1066; A46B 15/0071; A46B 15/0002; A46B 5/02; A46D 1/00; A45D 44/18; A61C 19/066  
See application file for complete search history.

(56) **References Cited**  
U.S. PATENT DOCUMENTS  
1,899,242 A 2/1939 McNab  
D209,574 S 12/1967 Zandberg et al.  
D272,583 S 2/1984 McAlpine  
D276,005 S 10/1984 Fido  
D278,661 S 5/1985 Gelsen  
D318,571 S \* 7/1991 Sletbak ..... D4/104  
5,305,489 A 4/1994 Lage  
5,339,482 A \* 8/1994 Desimone ..... A46B 5/02 15/143.1  
D351,732 S 10/1994 Dair et al.

**DESCRIPTION**  
FIG. 1 is a front right perspective view of a handle portion of an oral care implement according to the new design, the front left perspective view being a mirror image thereof; FIG. 2 is a rear left perspective view thereof, the rear right perspective view being a mirror image thereof; FIG. 3 is a front view thereof; FIG. 4 is a rear view thereof; FIG. 5 is a left side view thereof; FIG. 6 is a right side view thereof; FIG. 7 is a top view thereof; and, FIG. 8 is a bottom view thereof. The broken lines depict portions of the article that form no part of the claimed design.

**1 Claim, 4 Drawing Sheets**



(56)

## References Cited

U.S. PATENT DOCUMENTS									
D375,205	S	11/1996	Lewkowicz		D501,724	S *	2/2005	Li	D4/104
D386,905	S *	12/1997	Brady	D4/104	D505,264	S	5/2005	Chen	
D387,203	S	12/1997	Matharu		D506,873	S	7/2005	Kling	
D388,254	S	12/1997	Schiffer		D507,114	S	7/2005	Seifert et al.	
D388,614	S	1/1998	Weihrauch		D510,482	S	10/2005	Jimenez	
5,735,012	A *	4/1998	Heinzelman	A46B 5/002 15/143.1	D510,807	S	10/2005	Jimenez	
5,742,971	A	4/1998	Salinger		D513,126	S	12/2005	Jimenez et al.	
D395,757	S	7/1998	Schiffer		D514,321	S *	2/2006	Moskovich	D4/104
D397,872	S	9/1998	Moskovich et al.		D514,813	S *	2/2006	Moskovich	D4/104
D407,560	S *	4/1999	Huang	D4/104	D526,789	S	8/2006	Wong	
D410,787	S	6/1999	Barre et al.		D527,526	S	9/2006	Kling et al.	
D411,366	S	6/1999	Landauer		D527,906	S	9/2006	Kling et al.	
D411,683	S	6/1999	Moskovich et al.		D527,907	S	9/2006	Kling et al.	
D413,728	S *	9/1999	Waguespack	D4/104	D528,802	S *	9/2006	Moskovich	D4/104
D414,940	S	10/1999	Weiss		D531,412	S	11/2006	Wong	
D416,686	S	11/1999	Meeker et al.		D531,413	S	11/2006	Wong	
5,996,157	A	12/1999	Smith et al.		D531,414	S	11/2006	Wong	
D418,979	S *	1/2000	Moskovich	D4/104	D531,415	S *	11/2006	Won	D4/104
D418,981	S *	1/2000	Cheong	D4/104	D531,810	S *	11/2006	Moskovich	D4/104
6,026,532	A	2/2000	Catanzaro		D532,975	S *	12/2006	Lonngren	D4/104
D426,958	S	6/2000	Moskovich et al.		D533,351	S	12/2006	Wong	
6,076,223	A	6/2000	Dair et al.		7,146,675	B2	12/2006	Ansari et al.	
D434,563	S	12/2000	Lim et al.		D536,876	S *	2/2007	Chan	D4/101
D438,012	S	2/2001	Cheong et al.		D555,359	S	11/2007	Chen	
D438,385	S	3/2001	Harada		D557,014	S	12/2007	Wong	
6,206,600	B1	3/2001	Rosenberg et al.		D558,980	S	1/2008	Jimenez et al.	
D442,785	S	5/2001	Harada		D559,546	S	1/2008	Wong	
6,234,798	B1 *	5/2001	Beals	A46B 5/02 15/143.1	D565,844	S	4/2008	Wong	
D446,019	S	8/2001	Hansen et al.		D575,064	S	8/2008	Wong	
D446,393	S	8/2001	Manfredi et al.		D577,493	S	9/2008	Wong	
6,318,685	B1	11/2001	Huber		D582,681	S *	12/2008	Geiberger	D4/104
D452,380	S	12/2001	Cheong et al.		D585,197	S	1/2009	Crossman	
6,349,445	B1	2/2002	Winslow et al.		D587,905	S	3/2009	Wong	
D456,136	S	4/2002	Roehrig		D596,406	S	7/2009	Xi	
D458,453	S	6/2002	Baertschi		D596,407	S *	7/2009	Xi	D4/104
D458,454	S	6/2002	Nanda		D603,170	S	11/2009	Wong	
D458,757	S	6/2002	Dunn et al.		D606,319	S	12/2009	Xi	
6,397,425	B1 *	6/2002	Szczech	A46B 5/0062 15/143.1	D609,013	S *	2/2010	Kling	D4/108
D462,178	S *	9/2002	Moskovich	D4/104	D614,869	S	5/2010	Wong	
D462,528	S	9/2002	Crossman et al.		D617,562	S *	6/2010	Jin	D4/104
D463,131	S	9/2002	Winter et al.		7,774,888	B2	8/2010	Chen	
D463,132	S	9/2002	Winter et al.		D628,808	S *	12/2010	Xi	D4/108
D463,668	S	10/2002	Yoshimoto et al.		D629,614	S *	12/2010	Jin	D4/104
D464,796	S	10/2002	Winter et al.		D630,436	S *	1/2011	Winkler	D4/104
D466,694	S	12/2002	Saindon et al.		D635,775	S	4/2011	Kalbfeld et al.	
6,496,999	B1	12/2002	Gleason et al.		D640,469	S	6/2011	Nanda	
D469,958	S	2/2003	Saindon et al.		D643,219	S *	8/2011	Xi	D4/108
D469,960	S	2/2003	Ping		D645,253	S *	9/2011	Xi	D4/108
6,546,583	B1	4/2003	Rohrig		D645,254	S *	9/2011	Xi	D4/108
D475,530	S	6/2003	Dunn		D646,063	S *	10/2011	Ballmaier	D4/104
D478,727	S	8/2003	Wong		8,046,864	B2 *	11/2011	Baertschi	A46B 5/02 15/110
D478,728	S	8/2003	Wong		8,060,972	B2 *	11/2011	Geiberger	A46B 5/02 15/143.1
D479,047	S	9/2003	Wong		8,079,109	B2	12/2011	Eatherton et al.	
6,622,978	B1	9/2003	Ghiz		D651,407	S *	1/2012	Jin	D4/104
D480,877	S *	10/2003	Crossman	D4/104	D652,627	S	1/2012	Nanda	
D482,531	S *	11/2003	Wong	D4/104	8,141,563	B2	3/2012	De Masi, Sr.	
D483,568	S	12/2003	Jamson		D660,004	S	5/2012	Knutzen et al.	
D483,569	S *	12/2003	Wong	D4/104	D661,098	S	6/2012	Nanda	
6,668,415	B2	12/2003	Rohrig		D661,100	S	6/2012	Nanda	
6,668,416	B1 *	12/2003	Georgi	A46B 5/007 15/167.1	D664,359	S	7/2012	Xi et al.	
D485,989	S *	2/2004	Winkler	D4/104	D667,223	S *	9/2012	Ding	D4/108
6,687,940	B1 *	2/2004	Gross	A46B 5/02 132/311	D673,776	S *	1/2013	Ballmaier	D4/108
D487,195	S *	3/2004	Winkler	D4/104	D674,195	S	1/2013	Nanda	
D488,301	S	4/2004	Xi		D675,448	S *	2/2013	Xi	D4/108
D490,247	S *	5/2004	Nanda	D4/104	D676,245	S *	2/2013	Jin	D4/104
D497,256	S *	10/2004	Xi	D4/104	8,382,208	B2 *	2/2013	Baertschi	A46B 5/0025 15/143.1
D498,362	S	11/2004	Xi		D677,058	S *	3/2013	Xi	D4/108
D498,926	S	11/2004	Wong		D678,681	S *	3/2013	Xi	D4/108
D499,885	S	12/2004	Xi		8,387,195	B2	3/2013	Patel	
					D679,096	S *	4/2013	Xi	D4/108
					D679,504	S	4/2013	Lee et al.	
					8,458,846	B2 *	6/2013	Schamberg	A46B 5/0062 15/143.1
					D686,416	S *	7/2013	Xi	D4/104
					D687,228	S *	8/2013	Wong	D4/108
					D691,376	S *	10/2013	Xi	D4/108

(56)

References Cited

U.S. PATENT DOCUMENTS

D696,518 S *	12/2013	Ballmaier	D4/104	CN	3661324	6/2007
D698,158 S *	1/2014	Lee	D4/104	CN	3666838	7/2007
D698,554 S *	2/2014	Xi	D4/104	CN	2933128	8/2007
D704,446 S *	5/2014	Xi	D4/104	CN	200990988	12/2007
D704,447 S *	5/2014	Xi	D4/104	CN	201011934	1/2008
D706,035 S *	6/2014	Xi	D4/108	CN	300863154	2/2008
D706,541 S	6/2014	Brian et al.		CN	201153684	11/2008
8,739,351 B2 *	6/2014	Kling	A46B 5/0054	CN	201175079	1/2009
			15/167.1	CN	201194632	2/2009
D710,111 S *	8/2014	Ding	D4/108	CN	201154767	3/2009
D715,559 S *	10/2014	Xi	D4/104	CN	201219631	4/2009
D724,324 S *	3/2015	Ballmaier	D4/108	CN	300898227	4/2009
D730,059 S *	5/2015	Storkel	D4/108	CN	300937681	6/2009
D738,627 S *	9/2015	Xi	D4/107	CN	201274863	7/2009
D739,658 S *	9/2015	Xi	D4/108	CN	201290429	8/2009
D743,173 S *	11/2015	Sohn	D4/101	CN	201328493	10/2009
D750,379 S *	3/2016	Storkel	D4/108	CN	201332821	10/2009
D751,296 S *	3/2016	Xi	D4/104	CN	201384212	1/2010
D753,401 S *	4/2016	Schmid	D4/104	CN	201384213	1/2010
D754,442 S *	4/2016	Xi	D4/104	CN	201445097	5/2010
D754,443 S *	4/2016	Xi	D4/104	CN	201451971	5/2010
2002/0100134 A1	8/2002	Dunn et al.		CN	101756498	6/2010
2002/0124864 A1 *	9/2002	Gross	A46B 5/02	CN	201557719	8/2010
			132/311	CN	201563889	9/2010
2006/0010628 A1 *	1/2006	Moskovich	A46B 15/0055	CN	201563891	9/2010
			15/111	CN	301345612 S	9/2010
2006/0207043 A1	9/2006	Yamamoto		CN	201609190	10/2010
2007/0186364 A1	8/2007	Hohlbein		CN	201612300	10/2010
2008/0086827 A1	4/2008	Waguespack et al.		CN	201640914	11/2010
2008/0201881 A1	8/2008	Dunn et al.		CN	201640915	11/2010
2009/0158540 A1	6/2009	Baertschi et al.		CN	201709705	1/2011
2010/0050357 A1	3/2010	Misner et al.		CN	301495827 S	3/2011
2010/0058550 A1 *	3/2010	Ballmaier	A46B 5/02	CN	301525815	4/2011
			15/167.1	CN	201831219	5/2011
2010/0101037 A1 *	4/2010	Gross	A46B 5/02	CN	201861066	6/2011
			15/167.1	CN	201879058	6/2011
2010/0263149 A1 *	10/2010	Ballmaier	A46B 5/02	CN	301601321	7/2011
			15/167.1	CN	201911546	8/2011
2011/0035888 A1	2/2011	Patel		CN	201920023	8/2011
2011/0146015 A1 *	6/2011	Moskovich	A46B 5/02	CN	201958086	9/2011
			15/167.1	CN	201958092	9/2011
2012/0192369 A1 *	8/2012	Mohr	A46B 5/02	CN	201968066	9/2011
			15/111	CN	201986930	9/2011
2014/0123420 A1	5/2014	Nanda		CN	201995859	10/2011
2014/0173839 A1	6/2014	Henderson		CN	202043812	11/2011
2014/0173853 A1 *	6/2014	Kirchhofer	B29C 45/1642	CN	202051179	11/2011
			16/430	CN	301717014 S	11/2011
2015/0013088 A1	1/2015	Li		CN	202077801	12/2011

FOREIGN PATENT DOCUMENTS

BR	DI 6800346-3	1/2008	CN	202077801	12/2011
BR	MU 8900682-8 U2	4/2009	CN	202085939	12/2011
BR	DI 6804858	11/2009	CN	202104479	1/2012
BR	30 2013 002216-1	5/2013	CN	202104479	1/2012
CN	3281643	3/2003	CN	301817902	2/2012
CN	3296613	5/2003	CN	202233729	5/2012
CN	3299694	6/2003	CN	202311887	7/2012
CN	3305512	7/2003	CN	202311897	7/2012
CN	3362295	4/2004	CN	202311938	7/2012
CN	3376498	7/2004	CN	202365161	8/2012
CN	2647122	10/2004	CN	202445437	9/2012
CN	3406087	11/2004	CN	202458126	10/2012
CN	3409456	12/2004	CN	202489455	10/2012
CN	3409461	12/2004	CN	202489456	10/2012
CN	3420573	1/2005	CN	302098059	10/2012
CN	3422276	2/2005	CN	202514907	11/2012
CN	3438265	4/2005	CN	202566905	12/2012
CN	3503692	2/2006	CN	202588743	12/2012
CN	2838386	11/2006	CN	202603987	12/2012
CN	2875175	3/2007	CN	202698210	1/2013
CN	3616973	3/2007	CN	202714425	2/2013
CN	362971	4/2007	CN	202774873	3/2013
CN	3650568	5/2007	CN	202774887	3/2013
			CN	202800570	3/2013
			CN	202800573	3/2013
			CN	103054322	4/2013
			CN	202842749	4/2013
			CN	202919373	5/2013
			CN	103126295	6/2013
			CN	202959285	6/2013
			CN	202959317	6/2013
			CN	203041159	7/2013
			CN	203058762	7/2013

(56)

References Cited

FOREIGN PATENT DOCUMENTS

CN	203073541	7/2013
CN	203088021	7/2013
CN	203088036	7/2013
CN	203106154	8/2013
CN	203106174	8/2013
CN	203121476	8/2013
CN	302564712 S	9/2013
CN	302573302 S	9/2013
CN	302573316 S	9/2013
CN	203234255	10/2013
CN	203388460 U	1/2014
CN	103653735	3/2014
CN	203467917 U	3/2014
CN	203505894	4/2014
CN	203506911 U	4/2014
CN	103876452	6/2014
CN	302852916 S	6/2014
CN	203735678	7/2014
CN	302913175	8/2014
CN	302978007	10/2014
CN	204048570	12/2014
CN	204048571	12/2014
CN	303037875	12/2014
DE	4438121	5/1996
DE	102009037324	2/2011
EM	000257969-0001	11/2004
EM	000304951-0005	3/2005
EM	000507561-0001	5/2006
EM	000527163-0003	7/2006
EM	000527163-0004	7/2006
EM	000624093-0001	1/2007
EM	000624093-0019	1/2007
EM	000674270-0003	2/2007
EM	000958749-0001	7/2007
EM	000774070-0005	8/2007
EM	000774070-0006	8/2007
EM	000814090-0002	1/2008
EM	000065677-0006	5/2008
EM	000989157-0001	8/2008
EM	000989157-0002	8/2008
EM	001558289-0002	7/2009
EM	001808536-0001	1/2011
EM	001975079-0003	1/2012
EM	002095067-0001	8/2012
EM	002144543-0001	11/2012
EM	002212522-0021	4/2013
EM	002212522-0022	4/2013
EM	001391031-0001	11/2013
EM	001391098-0001	11/2013
EM	001391098-0002	11/2013
EM	001391098-0003	11/2013
EM	001391098-0004	11/2013
EM	002467993-0001	5/2014
EM	002478297-0009	6/2014
EM	002478297-0010	6/2014
EM	002510891-0001	7/2014
EM	002510891-0002	7/2014
EM	002510891-0009	7/2014
EM	002510891-0010	7/2014
EM	002510891-0016	7/2014
EM	002510891-0031	7/2014
EM	002510891-0032	7/2014
EM	002510891-0036	7/2014
EP	0937423	8/1999
GB	2078321	7/1999
GB	2084750	4/2000
GB	3003010	6/2002
GB	4002477	4/2007
HK	0601011.0	4/2006
IN	227632	1/2011
IN	258460	12/2014
IT	2010PDO000035-0034	11/2011
JP	H0826143	1/1996
JP	2002153325	5/2002

KR	30-0362027 S	9/2004
KR	2003933160000	8/2005
KR	30-3094238 S	10/2005
KR	30-0604903 S	7/2011
MX	39060 B	12/2012
MX	39062 B	12/2012
MX	39064 B	2/2013
MX	39065 B	2/2013
MX	41947 B	6/2013
MY	01-00095	2/2001
RU	D51563	12/2002
RU	D52578	6/2003
RU	D53051	9/2003
RU	D54969	8/2004
RU	D55985	1/2005
RU	D58058	11/2005
RU	D69782	4/2009
RU	D75347	7/2010
RU	D78891	7/2011
TR	200605294	11/2006
TW	449357	8/2001
TW	M372107	1/2010
WO	WO94/20006	9/1994
WO	WO94/27479	12/1994
WO	WO96/01578 A1	1/1996
WO	WO98/36182	8/1998
WO	DM/050093	8/1999
WO	DM/056997	3/2001
WO	WOD56997-001	9/2001
WO	WO2003/103446	12/2003

OTHER PUBLICATIONS

CN 301064191 Registered Design Application, (Hou Longzhong) Nov. 25, 2009, [online], [retrieved on Sep. 29, 2011] Retrieved from the Questel Intellectual Property Portal Design Database using the Internet: <URL: <http://www.orbit.com>>.

CN 301207120 Registered Design, (Unilever NV) May 19, 2010, [online], [retrieved on Sep. 28, 2011] Retrieved from the Questel Intellectual Property Portal Design Database using the Internet: <URL: <http://www.orbit.com>>.

CN 301548737 Registered Design, (Xu, Qiuping) May 18, 2011, [online], [retrieved on Apr. 7, 2013] Retrieved from the Questel Intellectual Property Portal Design Database using the Internet: <URL: <http://www.orbit.com>>.

CN 3240637 Registered Design Application, (Sheng Dafang) Jun. 12, 2002, [online], [retrieved on Sep. 18, 2011] Retrieved from the Questel Intellectual Property Portal Design Database using the Internet: <URL: <http://www.orbit.com>>.

CN 3434877D Registered Design, (Chen, Xinglong) Mar. 30, 2005, [online], [retrieved on Apr. 7, 2013] Retrieved from the State Intellectual Property Office's CNIPR Database using the Internet: <URL: <http://www.cnipr.com>>.

CN 3505549D Registered Design, (Sheng, Dafang) Feb. 15, 2006, [online], [retrieved on Apr. 10, 2013] Retrieved from the State Intellectual Property Office's CNIPR Database using the Internet: <URL: <http://www.cnipr.com>>.

CN 3521860D Registered Design, (Li, Wentong) Apr. 26, 2006, [online], [retrieved on Apr. 7, 2013] Retrieved from the State Intellectual Property Office's CNIPR Database using the Internet: <URL: <http://www.cripr.com>>.

CN 3555687 Registered Design Application, (Sheng Dafang) Aug. 30, 2002, [online], [retrieved on Jan. 10, 2012] Retrieved from the Questel Intellectual Property Portal Design Database using the Internet: <URL: <http://www.orbit.com>>.

Colgate Fundraiser Australia website, 2012, <http://www.colgatefundraiser.com.au>.

Eeendeavors Colgate Kids Toothbrush website, 2012, <http://eeendeavors.com/0-75-off-colgate-kids-toothbrush>.

Silver Care Antibacterial Range—Kids Toothbrushes website, 2012, [http://www.piave.com/ing/line\\_silver\\_care\\_kiddies\\_tooth-brushes](http://www.piave.com/ing/line_silver_care_kiddies_tooth-brushes).

\* cited by examiner

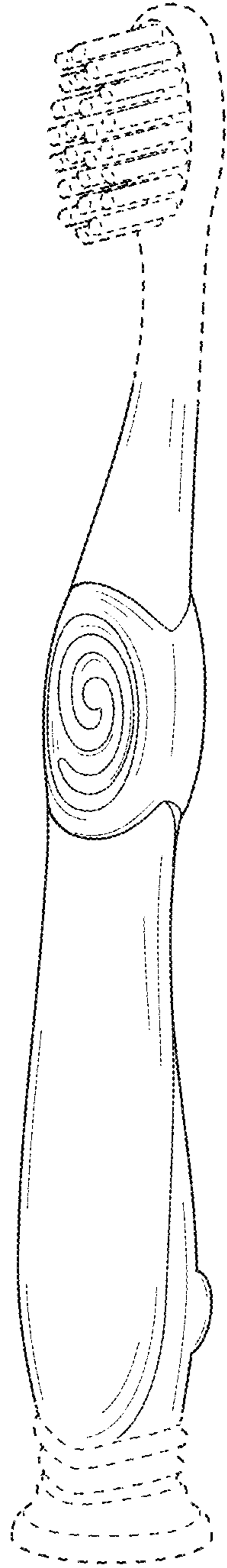


FIG. 1

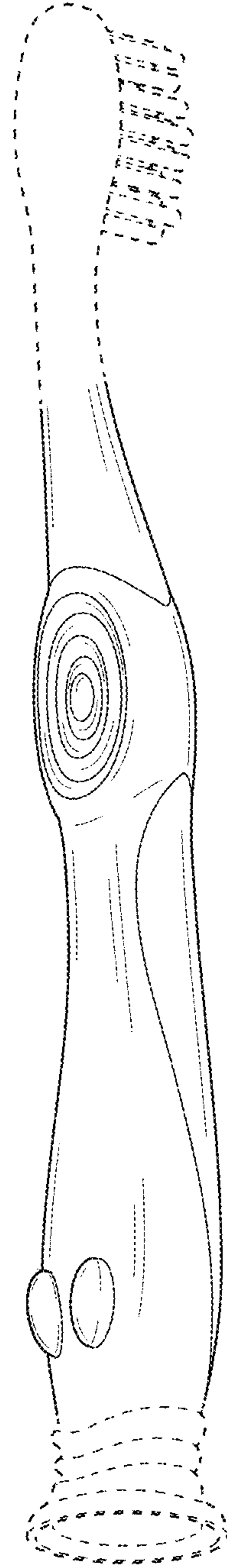


FIG. 2

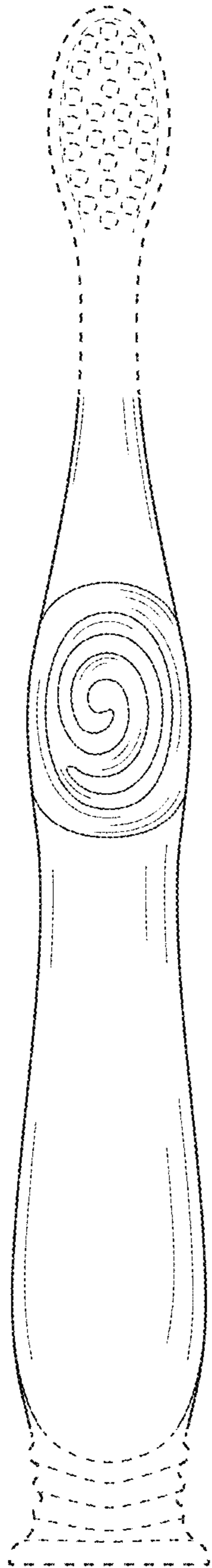


FIG. 3

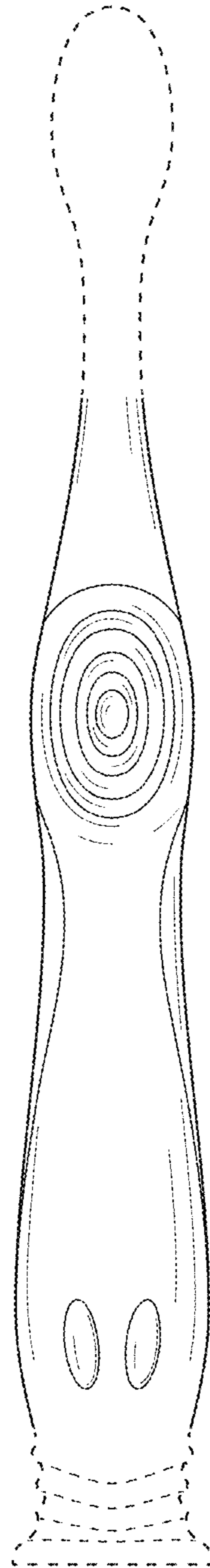


FIG. 4

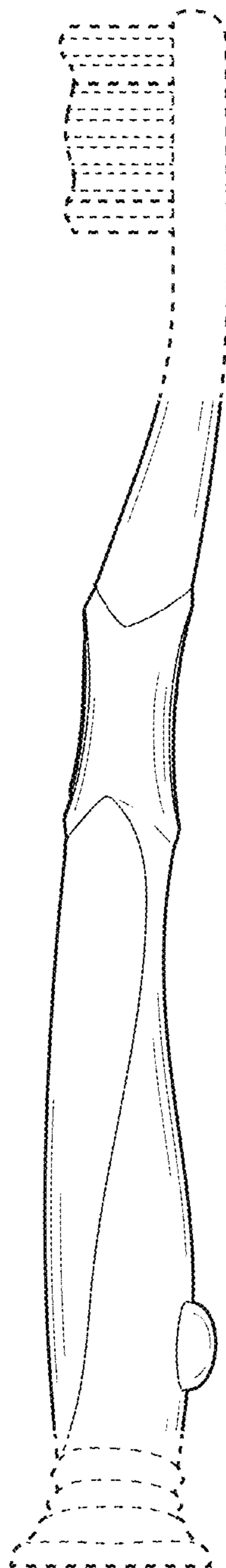


FIG. 5

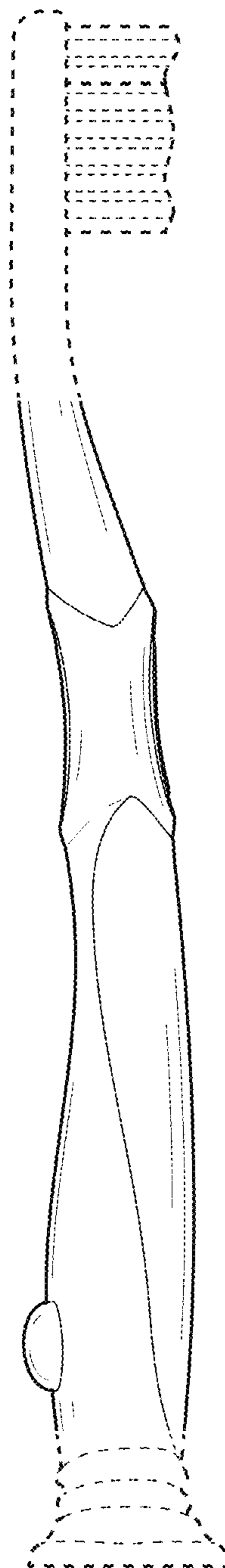


FIG. 6

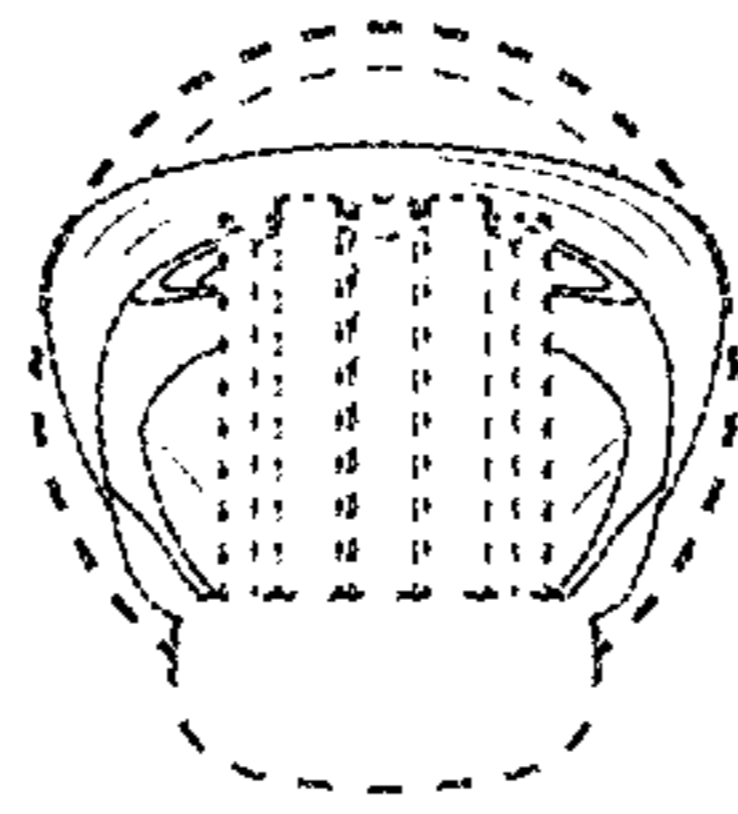


FIG. 7

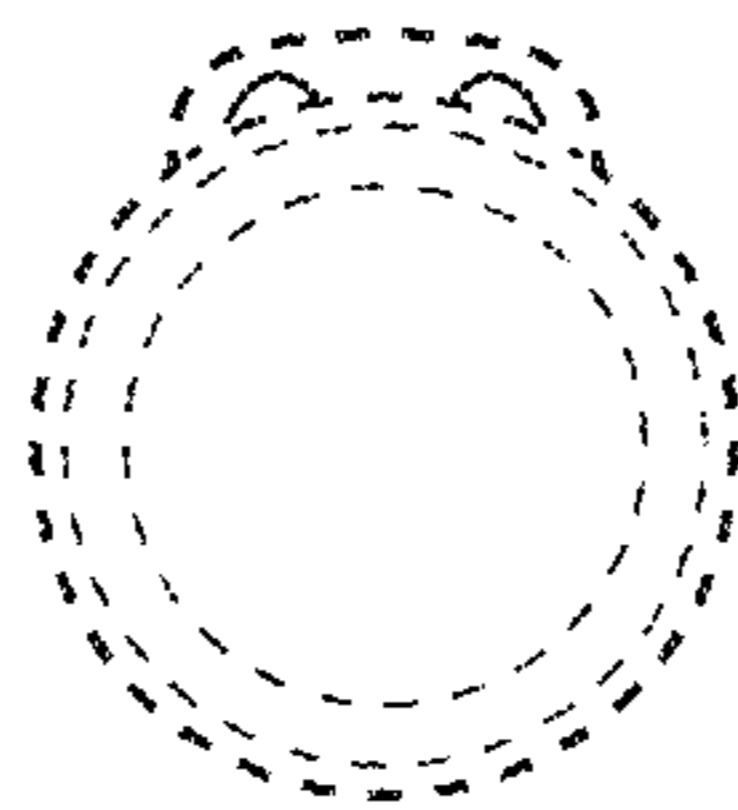


FIG. 8