



US00D791486S

(12) **United States Design Patent** (10) **Patent No.:** **US D791,486 S**
Ding et al. (45) **Date of Patent:** **** Jul. 11, 2017**

(54) **TOOTHBRUSH** 5/0095; A46B 5/021; A46B 5/04; A46B 13/00; A46B 13/02; A46B 9/04; A46B 9/045; A46B 15/0087; A46B 15/0055; A46B 15/0081; A46B 15/0071; A46B 15/0089; A46B 15/0097; A46B 2200/1066; A46B 2200/1073; A46B 2200/1086; A46B 2200/1026; A46B 17/04; A61C 17/00; A61C 17/0202; A61C 17/16; A61C 17/20; A61C 17/22; A61C 17/222; A61C 17/225; A61C 17/26; A61C 17/34; A61C 15/048; A45D 44/18; A46D 1/10
(71) Applicant: **Colgate-Palmolive Company**, New York, NY (US)
(72) Inventors: **Xiang Ji Ding**, YangZhou (CN); **Yu Liu**, Wuxi (CN); **Wen Jin Xi**, Shanghai (CN); **Al Sprosta**, Maplewood, NJ (US); **Kenneth Waguespack**, North Brunswick, NJ (US)
(73) Assignee: **COLGATE-PALMOLIVE COMPANY**, New York, NY (US)
(**) Term: **14 Years**
(21) Appl. No.: **29/497,683**
(22) Filed: **Jul. 28, 2014**

See application file for complete search history.

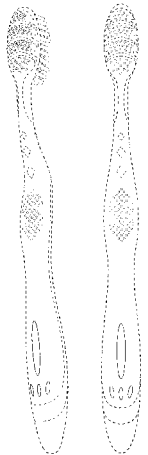
(56) **References Cited**

U.S. PATENT DOCUMENTS

2,206,542 A * 7/1940 Arnold A46B 9/04 15/106
5,628,082 A 5/1997 Moskovich
D403,509 S 1/1999 Vonarburg
D407,560 S * 4/1999 Huang D4/104
D415,352 S 10/1999 Beals et al.
D415,532 S 10/1999 Tobin
D416,685 S * 11/1999 Overthun D4/104
D419,773 S 2/2000 Beals et al.
D420,222 S * 2/2000 Angelini D4/104
D427,437 S 7/2000 Vonarburg
D429,566 S 8/2000 Yoshimoto et al.
D438,012 S 2/2001 Cheong et al.
D441,958 S * 5/2001 Rueb D4/104
D446,393 S * 8/2001 Manfredi D4/104
D456,136 S * 4/2002 Roehrig D4/104
D458,453 S 6/2002 Baertschi
D463,668 S * 10/2002 Yoshimoto D4/104
D465,927 S 11/2002 Saindon et al.
D466,303 S 12/2002 Saindon et al.
D466,694 S 12/2002 Saindon et al.
D469,958 S 2/2003 Saindon et al.
D470,312 S 2/2003 Saindon et al.
D471,362 S 3/2003 Moskovich et al.
6,527,180 B1 * 3/2003 Dvorkis G06K 7/10633 235/454
D478,424 S 8/2003 Saindon et al.
D479,914 S * 9/2003 Choong D4/101
D480,214 S 10/2003 Kling et al.
D480,562 S 10/2003 Saindon et al.
D482,199 S * 11/2003 De Salvo D4/104
D485,989 S 2/2004 Winkler et al.

Related U.S. Application Data

(62) Division of application No. 29/390,965, filed on May 2, 2011, now Pat. No. Des. 712,155.
(51) **LOC (10) Cl.** **04-02**
(52) **U.S. Cl.**
USPC **D4/104; D4/138**
(58) **Field of Classification Search**
USPC D4/107, 124-126, 104, 101, 108, D4/110-113, 116, 120, 132-135, 138, D4/199, 136; 15/143.1, 167.1, 167.2, 15/110, 111, 176.1-176.6, 184, 159.1, 15/160, 207.2, DIG. 5, DIG. 6; D11/95, D11/131, 164, 200, 222, 228-232, 40-48, D11/76, 79-81, 86; 132/308-311; 601/139-142, 80, 136; 606/161; D24/146, 147, 152, 176; D7/393, 395, D7/401.2, 392; D99/17, 21, 22, 25, 43, D99/99; D21/713; D2/955, 954, 951, D2/953, 956, 952, 961; 32/308-311; 16/430, 902, DIG. 12, DIG. 18, DIG. 19, 16/431; D8/107; D28/45, 46, 48
CPC A46B 5/02; A46B 5/023; A46B 5/025; A46B 5/026; A46B 5/00; A46B 5/0004; A46B 5/0054; A46B 5/0079; A46B



US D791,486 S

D488,621 S	4/2004	Wong		2007/0199168 A1*	8/2007	Blanchard	A46B 5/026
D491,370 S *	6/2004	Porter	D4/107				15/105
D494,370 S	8/2004	Wong		2007/0283517 A1*	12/2007	Blanchard	A46B 9/025
D498,926 S	11/2004	Wong					15/167.1
D499,885 S *	12/2004	Xi	D4/107	2007/0283518 A1*	12/2007	Blanchard	A46B 9/025
D502,603 S	3/2005	Seifert et al.					15/167.1
D503,538 S *	4/2005	Desalvo	D4/104	2008/0028558 A1*	2/2008	Kwon	A46B 9/028
D506,873 S	7/2005	Kling					15/167.1
D507,114 S	7/2005	Seifert et al.					15/167.1
D510,482 S *	10/2005	Jimenez	D4/104	2008/0184511 A1*	8/2008	Brown	A46B 7/02
D526,789 S	8/2006	Wong					15/110
D527,526 S	9/2006	Kling et al.		2008/0201884 A1	8/2008	Vazquez et al.	
D527,906 S	9/2006	Kling et al.		2009/0060623 A1*	3/2009	Jimenez	A45D 44/18
D527,907 S	9/2006	Kling et al.					401/123
D531,412 S	11/2006	Wong		2009/0064429 A1*	3/2009	Hall	A61C 17/225
D531,414 S	11/2006	Wong					15/22.1
D531,808 S *	11/2006	Geiberger	D4/104	2012/0174330 A1*	7/2012	Mohr	A46B 5/0062
D533,351 S	12/2006	Wong					15/167.1
7,240,390 B2	7/2007	Pfenniger et al.		2013/0269128 A1*	10/2013	Jimenez	A61C 17/3481
D549,965 S	9/2007	Wong					15/22.1
D557,014 S	12/2007	Wong		2013/0276253 A1*	10/2013	Chen	A46B 9/04
D557,503 S	12/2007	Wong					15/106
D559,546 S	1/2008	Wong		2015/0082564 A1*	3/2015	Buchholz	A46B 9/04
D575,064 S	8/2008	Wong					15/105
D577,493 S *	9/2008	Wong	D4/108	2015/0305484 A1*	10/2015	Hohlbein	A46B 5/02
D582,162 S	12/2008	Moskovich					15/143.1
D582,682 S	12/2008	Kling et al.					
D593,327 S *	6/2009	Wong	D4/104				
D612,613 S	3/2010	Pusch et al.					
D614,868 S	5/2010	Goldman et al.					
D615,761 S	5/2010	Wong					
D628,389 S	12/2010	Ravindran et al.					
D628,808 S	12/2010	Xi et al.					
D630,019 S *	1/2011	Wong	D4/108				
D630,020 S *	1/2011	Wong	D4/108				
D632,484 S	2/2011	Jimenez et al.					
D639,069 S *	6/2011	Nanda	D4/108				
D640,469 S *	6/2011	Nanda	D4/112				
D651,407 S	1/2012	Jin et al.					
D656,733 S *	4/2012	Barman	D4/101				
D657,568 S	4/2012	Jimenez et al.					
D658,886 S	5/2012	Jin et al.					
D661,490 S *	6/2012	Jin	D4/108				
D667,223 S *	9/2012	Ding	D4/108				
D670,504 S *	11/2012	Watanabe	D4/104				
D672,561 S *	12/2012	Jin	D4/104				
D680,748 S *	4/2013	Jimenez	D4/108				
8,464,388 B2 *	6/2013	Chen	A46B 9/04				
			15/106				
D692,242 S *	10/2013	Jimenez	D4/101				
8,561,249 B1 *	10/2013	Malakova	A46B 5/0095				
			15/167.1				
D704,447 S *	5/2014	Xi	D4/104				
D710,111 S *	8/2014	Ding	D4/108				
D710,615 S *	8/2014	Pereira	D4/104				
D713,151 S *	9/2014	Jimenez	D4/104				
D715,561 S *	10/2014	Erskine-Smith	D4/111				
D719,356 S *	12/2014	Blanchard	D4/104				
D720,541 S *	1/2015	Behar	D4/104				
D723,284 S *	3/2015	Wong	D4/104				
D743,175 S *	11/2015	Corbett	D4/104				
D751,294 S *	3/2016	Xi	D4/104				
D752,734 S *	3/2016	Plunkett	D24/110				
D752,869 S *	4/2016	Corbett	D4/104				
D764,176 S *	8/2016	Xi	D4/104				
D764,177 S *	8/2016	Xi	D4/104				
D773,824 S *	12/2016	Ding	D4/104				
2002/0170145 A1*	11/2002	Stvartak	A46B 5/02				
			16/430				
2004/0255416 A1*	12/2004	Hohlbein	A46B 5/02				
			15/106				
2005/0193510 A1*	9/2005	Kemp	A46B 5/00				
			15/143.1				
2006/0179593 A1*	8/2006	Okamura	A46B 5/00				
			15/167.1				
2007/0163064 A1*	7/2007	Wong	A46B 5/0025				
			15/143.1				

FOREIGN PATENT DOCUMENTS

AU	339617	11/2011
AU	339618	11/2011
AU	339619	11/2011
AU	339620	11/2011
CN	3348940	1/2004
CN	3405066	11/2004
CN	3453100	6/2005
CN	300697133	10/2007
CN	300840015	10/2008
CN	300895204	3/2009
CN	300962292	7/2009
CN	301000158	9/2009
CN	301063679	11/2009
CN	301249298	6/2010
DE	40502078-0001 S	10/2005
DE	40603004-0006 S	10/2006
EM	000065677-0001	1/2004
EM	000079975-0001	2/2004
EM	000139423-0001	6/2004
EM	000139423-0002	6/2004
EM	000139423-0003	6/2004
EM	000174701-0001	7/2004
EM	000206065-0009	10/2004
EM	000206065-0010	10/2004
EM	000255559-0011	2/2005
EM	000458443-0002	2/2006
EM	000508023-0002	10/2006
EM	000508023-0006	10/2006
EM	000508023-0009	10/2006
EM	000605480-0002	11/2006
EM	000624093-0005	1/2007
EM	000624093-0022	1/2007
EM	000749445-0004	7/2007
EM	001091284-0010	5/2009
EM	001091284-0012	5/2009
EM	001751207-0001	10/2010
GB	D2053386	2/1997
GB	D2062120	3/1997
GB	D3023615	2/2006
GB	D4008227	8/2008
GB	D4016552	8/2010
HK	1101802.5-M001	11/2011
HK	1101802.5-M002	11/2011
HK	1101802.5-M003	11/2011
HK	1101804.9-M001	11/2011
HK	1101804.9-M002	11/2011
RU	57551 S	9/2005
TW	D127550 S	3/2009

OTHER PUBLICATIONS

WIPO DM/065896 Registered Design Application, (Trisa Holding AG) Nov. 30, 2004, [online], [retrieved on Sep. 9, 2012] Retrieved from the Hague Express Design Database of the World Intellectual Property Organization using the Internet: <URL: <http://www.wipo.int>>.

* cited by examiner

Primary Examiner — Susan Moon Lee

(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a right front perspective view of a toothbrush in accordance with the new design;

FIG. 2 is a left front perspective view thereof;

FIG. 3 is a left rear perspective view thereof;

FIG. 4 is a right rear perspective view thereof;

FIG. 5 is a front view thereof;

FIG. 6 is a rear view thereof;

FIG. 7 is a left side view thereof;

FIG. 8 is a right side view thereof;

FIG. 9 is a top view thereof; and,

FIG. 10 is a bottom view thereof.

All broken lines shown in the drawings are for environmental purposes only and form no part of the claimed design.

1 Claim, 5 Drawing Sheets

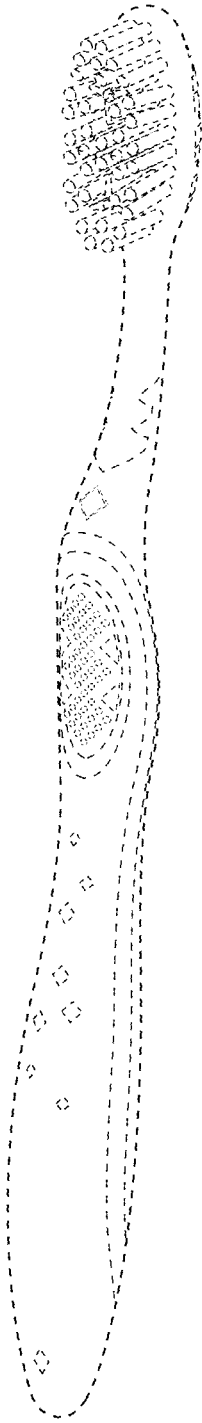


FIG. 1

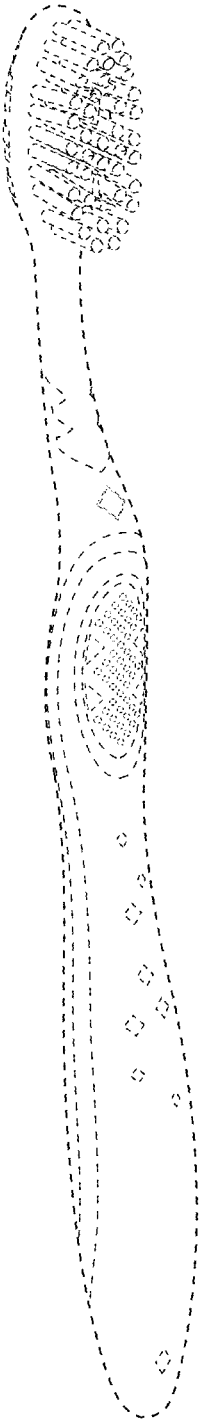


FIG. 2

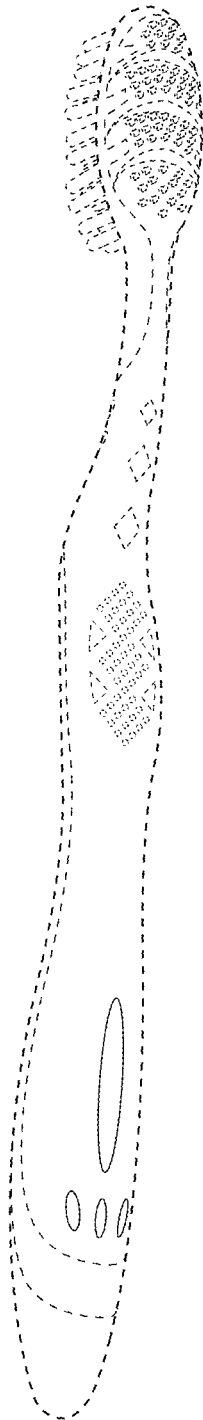


FIG. 3

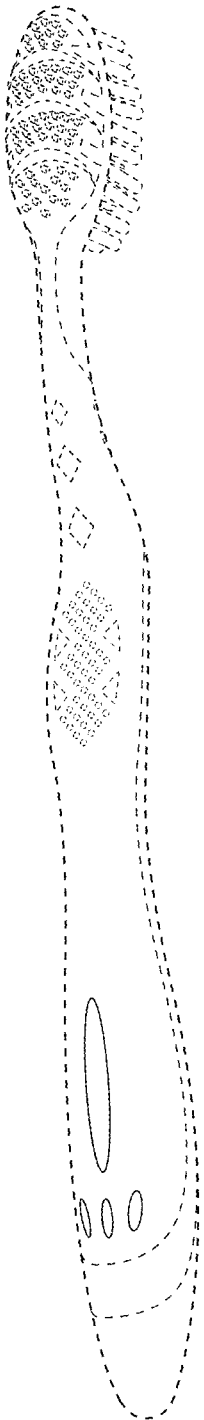


FIG. 4



FIG. 5



FIG. 6

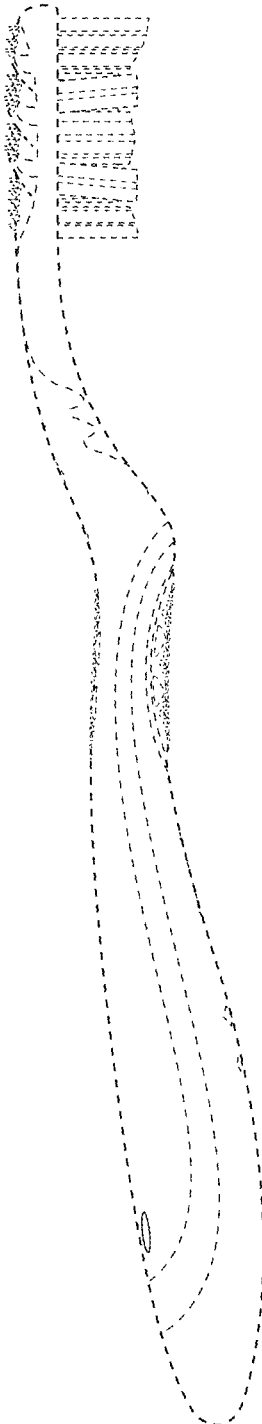


FIG. 7

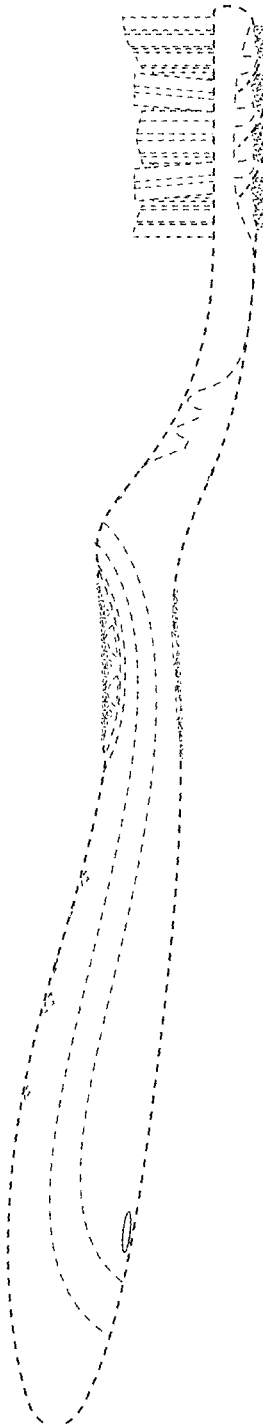


FIG. 8



FIG. 9



FIG. 10