



(12) **United States Design Patent**  
**Okai et al.**

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- (54) **ELECTRIC TOOTHBRUSH HANDLE**
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D611,712 S 3/2010 Stoerkel et al.  
 7,845,042 B2 \* 12/2010 Moskovich ..... A46B 5/0029  
 15/167.1

D632,894 S 2/2011 Shigeno et al.  
 D653,035 S 1/2012 GebSKI  
 8,443,476 B2 \* 5/2013 Hilscher ..... A61B 18/00  
 15/22.1

8,500,766 B2 \* 8/2013 Jimenez ..... A61B 17/244  
 606/161

8,522,386 B2 \* 9/2013 Hohlbein ..... A46B 9/026  
 15/111

8,561,247 B2 \* 10/2013 Moskovich ..... A46B 5/0025  
 15/167.1

9,168,117 B2 \* 10/2015 Yoshida ..... A61C 17/222  
 D749,851 S \* 2/2016 Watkins ..... D4/101

(Continued)

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

(21) Appl. No.: **29/673,740**

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(51) **LOC (12) Cl.** ..... **28-03**

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

(58) **Field of Classification Search**  
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 D4/108, 109, 110, 111, 112, 113, 114,  
 D4/115; 15/167.1; D24/146  
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 A61C 17/26  
 See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,827,550 A \* 5/1989 Graham ..... A46B 3/06  
 15/22.1

D360,760 S \* 8/1995 Halm ..... D4/104

D436,734 S \* 1/2001 Van Gelder ..... D4/104

D482,201 S 11/2003 Long

**FOREIGN PATENT DOCUMENTS**

CN 3323357 9/2003  
 CN 301054685 11/2009

(Continued)

*Primary Examiner* — Karen E Eldridge Powers

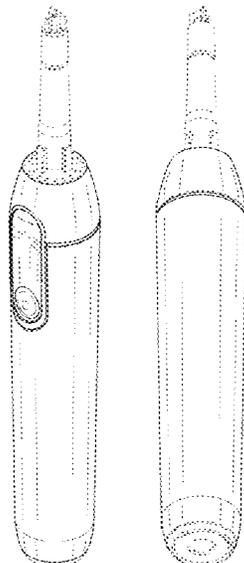
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front perspective view of an electric toothbrush handle according to an embodiment of the new design; FIG. 2 is a rear perspective view thereof; FIG. 3 is a front elevation view thereof; FIG. 4 is a rear elevation view thereof; FIG. 5 is a left side elevation view thereof; FIG. 6 is a right side elevation view thereof; FIG. 7 is a top plan view thereof; and, FIG. 8 is a bottom plan view thereof. The broken lines in the drawings illustrate portions of the article that form no part of the claimed design.

**1 Claim, 4 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D774,771 S \* 12/2016 Yoshida ..... D4/101  
 D774,775 S \* 12/2016 Buchholz ..... D4/104  
 D775,835 S \* 1/2017 Yoshida ..... D4/101  
 D780,456 S 3/2017 Takashi et al.  
 D791,485 S \* 7/2017 McGarry ..... D4/101  
 D798,060 S 9/2017 Shigeno et al.  
 D799,218 S 10/2017 Okai  
 D799,835 S \* 10/2017 Okai ..... D4/101  
 10,022,208 B2 \* 7/2018 Yoshida ..... A46B 7/042  
 D824,677 S \* 8/2018 Tseng ..... D4/101  
 D846,883 S \* 4/2019 Bloch ..... D4/101  
 D849,408 S \* 5/2019 Bloch ..... D4/101  
 D851,938 S \* 6/2019 Bloch ..... D4/101  
 D858,105 S \* 9/2019 Okai ..... D4/101  
 D861,351 S \* 10/2019 Albay ..... D4/101  
 10,449,022 B2 \* 10/2019 Okai ..... A46B 9/028  
 D867,762 S \* 11/2019 Bloch ..... D4/101  
 10,463,462 B2 \* 11/2019 Okai ..... A46B 17/04  
 10,500,023 B2 \* 12/2019 Okai ..... A46B 5/0095  
 2019/0175320 A1 \* 6/2019 Bloch ..... A61C 17/225

FOREIGN PATENT DOCUMENTS

CN 301136943 2/2010  
 CN 301150823 3/2010  
 CN 301517889 4/2011  
 CN 301736979 11/2011  
 CN 302655801 11/2013  
 CN 302712322 1/2014  
 CN 302951500 10/2014  
 CN 303137887 3/2015  
 CN 303228612 6/2015  
 CN 303291741 7/2015  
 CN 303485297 12/2015  
 CN 303485300 12/2015  
 CN 303555842 1/2016  
 CN 303568996 1/2016  
 CN 303582077 2/2016  
 CN 303600325 3/2016  
 CN 303630115 3/2016  
 CN 303651162 4/2016  
 CN 303658434 5/2016  
 CN 303705050 6/2016  
 CN 303705073 6/2016  
 CN 303731682 6/2016  
 CN 303758098 7/2016  
 CN 303781887 8/2016  
 CN 303810436 8/2016  
 CN 303857368 9/2016

CN 303858605 9/2016  
 CN 303873245 9/2016  
 CN 303919026 11/2016  
 CN 303962142 12/2016  
 CN 303972535 12/2016  
 CN 303990679 12/2016  
 CN 304097979 4/2017  
 CN 304108472 4/2017  
 CN 304120816 5/2017  
 CN 304124146 5/2017  
 CN 304134556 5/2017  
 CN 304181219 6/2017  
 CN 304189305 6/2017  
 CN 304251488 8/2017  
 CN 304267080 9/2017  
 CN 304276474 9/2017  
 CN 304276504 9/2017  
 CN 304329326 10/2017  
 CN 304929686 12/2018  
 CN 305191008 \* 5/2019  
 EM 001078414-0007 5/2009  
 EM 001127815-0002 6/2009  
 EM 001787714-0004 12/2010  
 EM 001255947-0002 4/2011  
 EM 001312672-0001 2/2012  
 EM 002012328-0001 4/2012  
 EM 002012328-0002 4/2012  
 EM 001317358-0002 5/2012  
 EM 001333496-0001 7/2012  
 EM 002163675-0002 1/2013  
 EM 002218651-0001 7/2013  
 EM 002218651-0002 7/2013  
 EM 001413454-0001 6/2014  
 EM 002422949-0001 9/2014  
 EM 002424069-0001 9/2014  
 EM 002488676-0001 1/2015  
 EM 002488676-0002 1/2015  
 EM 002637884-0001 2/2015  
 EM 004043263-0001 6/2017  
 EM 004119089-0001 7/2017  
 EM 004140150-0001 8/2017  
 EM 004173342-0003 9/2017  
 EM 004173342-0004 9/2017  
 EM 001468458-0007 \* 9/2018  
 JP D1164402 2/2003  
 JP D1212185 7/2004  
 JP D1212254 7/2004  
 JP D1419789 8/2011  
 JP D1619012 \* 11/2018  
 KR 3005384630000 9/2009  
 TW 308482 6/1997

\* cited by examiner

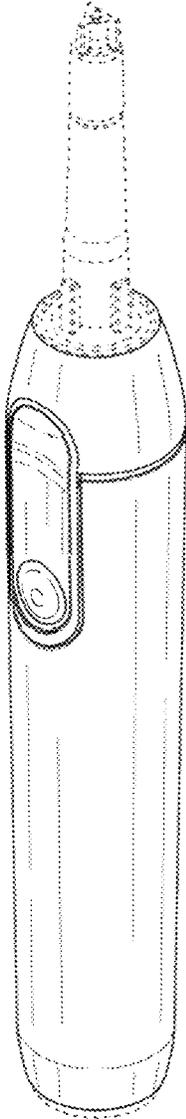


FIG. 1

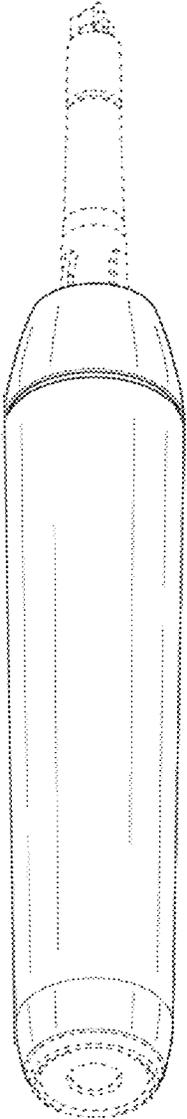


FIG. 2

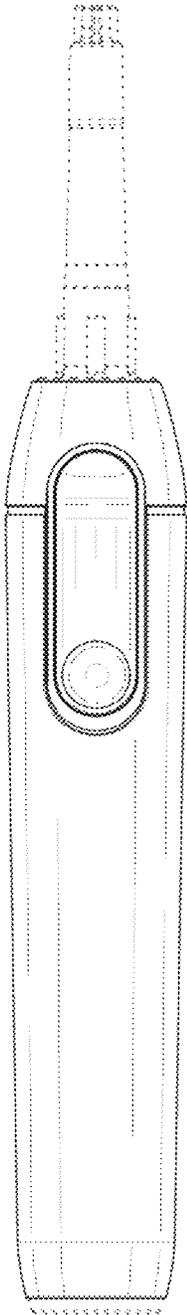


FIG. 3



FIG. 4

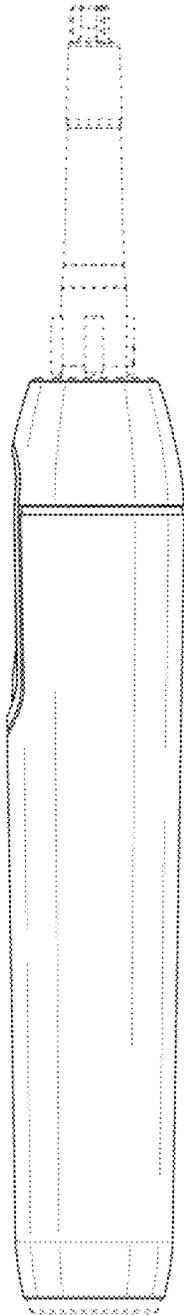


FIG. 5

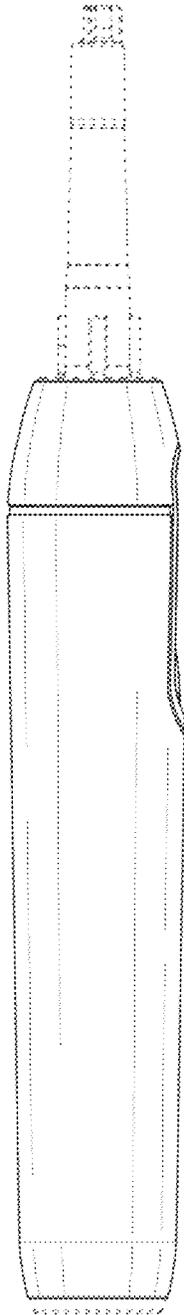


FIG. 6

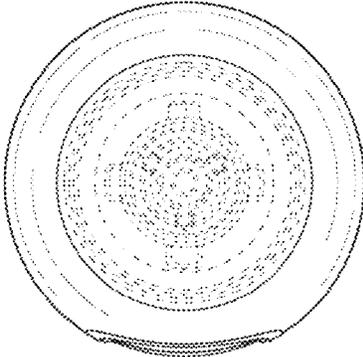


FIG. 7

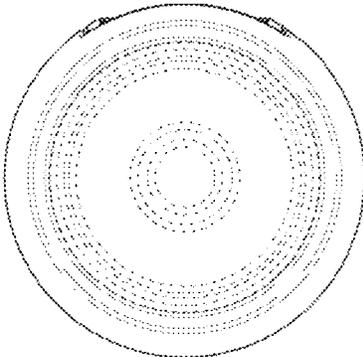


FIG. 8