



US00D782196S

(12) **United States Design Patent** (10) **Patent No.:** **US D782,196 S**
Bauernfeind et al. (45) **Date of Patent:** **** Mar. 28, 2017**

(54) **MANUAL TOOTHBRUSH**
(71) Applicant: **Braun GmbH**, Kronberg (DE)
(72) Inventors: **Siegfried Bauernfeind**, Frankfurt (DE);
Andreas Birk, Kronberg (DE); **Bjorn Kling**,
Glashutten (DE); **Siegfried Kurt Martin Hustedt**,
Bad Soden (DE)
(73) Assignee: **BRAUN GMBH**, Kronberg (DE)
(**) Term: **14 Years**
(21) Appl. No.: **29/477,390**
(22) Filed: **Dec. 20, 2013**

D402,472 S * 12/1998 Chen D4/104
5,956,797 A * 9/1999 Wilson A46B 5/0012
15/167.1
D414,939 S * 10/1999 Pedro, Jr. D4/104
D440,048 S 4/2001 Beals et al.
D446,393 S * 8/2001 Manfredi D4/104
D452,348 S 12/2001 Wonderley
D458,453 S * 6/2002 Baertschi D3/318
D480,214 S 10/2003 Kling et al.
D487,195 S 3/2004 Winkler
D506,871 S 7/2005 Winkler et al.
6,996,870 B2 * 2/2006 Hohlbein A46B 5/002
15/110
D530,923 S 10/2006 Kling et al.
(Continued)

Related U.S. Application Data

(63) Continuation-in-part of application No. 29/360,795,
filed on Apr. 30, 2010, now Pat. No. Des. 698,157.
(51) **LOC (10) Cl.** **04-02**
(52) **U.S. Cl.**
USPC **D4/104**
(58) **Field of Classification Search**
USPC D4/100-102, 104-118, 124-125,
D4/127-132, 136, 138
CPC A46B 5/00; A46B 5/0004; A46B 5/0008;
A46B 5/0012; A46B 5/002; A46B
5/0095; A46B 9/04; A46B 11/0006; A46B
2200/1066; A61B 17/24; A61C 17/16
See application file for complete search history.

FOREIGN PATENT DOCUMENTS

JP 47-14368 U 10/1972
KR 30-0341597 S 12/2003
Primary Examiner — Catheri Oliver-Garcia
Assistant Examiner — Rebekah A Caruso

(56) **References Cited**

U.S. PATENT DOCUMENTS

D118,268 S 12/1939 Salit
2,266,195 A 12/1941 Hallock
4,776,054 A 10/1988 Rauch
5,511,277 A * 4/1996 Simonds A46B 5/0058
15/167.1
D386,314 S * 11/1997 Moskvich D4/104

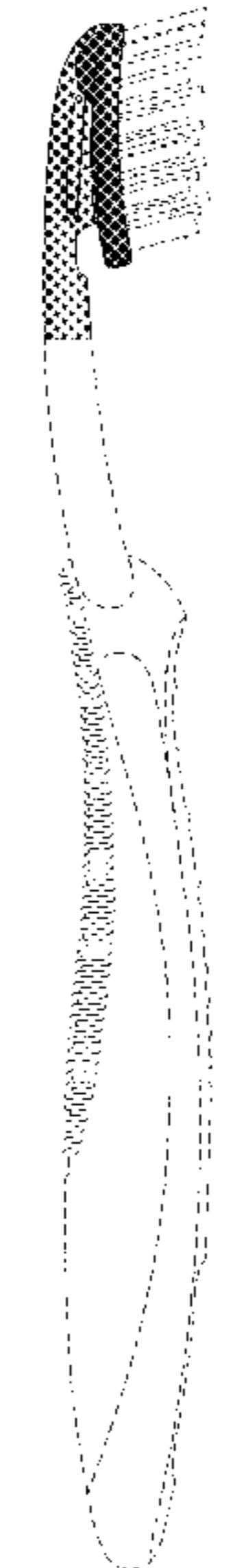
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of a manual toothbrush;
FIG. 2 is a front view thereof;
FIG. 3 is a right side view thereof;
FIG. 4 is a rear view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.
The broken lines showing the bristles and handle illustrate
portions of the manual toothbrush that from no part of the
claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D607,647 S * 1/2010 Gruber D4/104
8,578,544 B2 * 11/2013 Brown, Jr. A46B 7/02
15/104.94
D698,156 S * 1/2014 Kling D4/104
D698,157 S * 1/2014 Bauernfeind D4/104
D726,418 S * 4/2015 Gruber D4/104
D743,175 S * 11/2015 Corbett D4/104
D752,869 S * 4/2016 Corbett D4/104
2005/0273961 A1 * 12/2005 Moskovich A46B 7/06
15/167.1
2007/0169295 A1 * 7/2007 Winter A46B 7/06
15/167.2
2012/0030891 A1 * 2/2012 Bauernfeind A46B 9/026
15/167.1

* cited by examiner

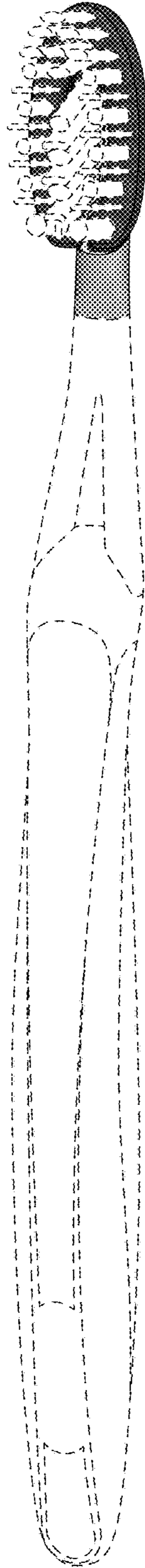


Fig. 1

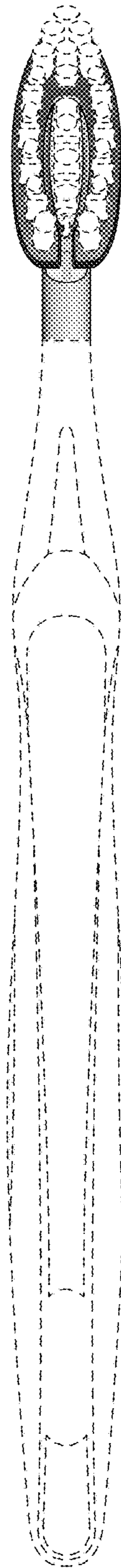


Fig. 2

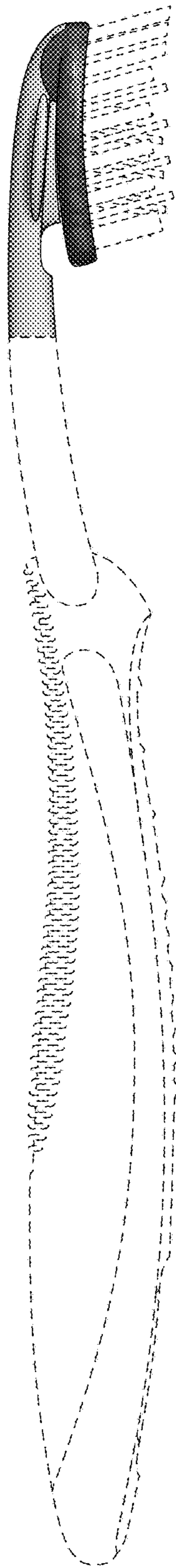


Fig. 3

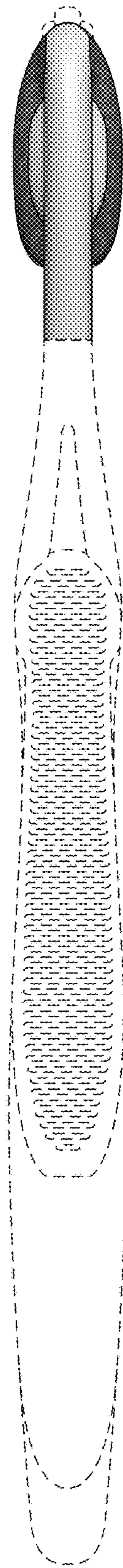


Fig. 4

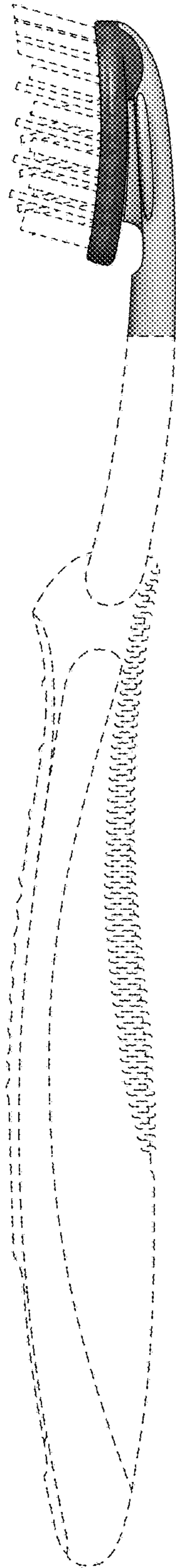


Fig. 5

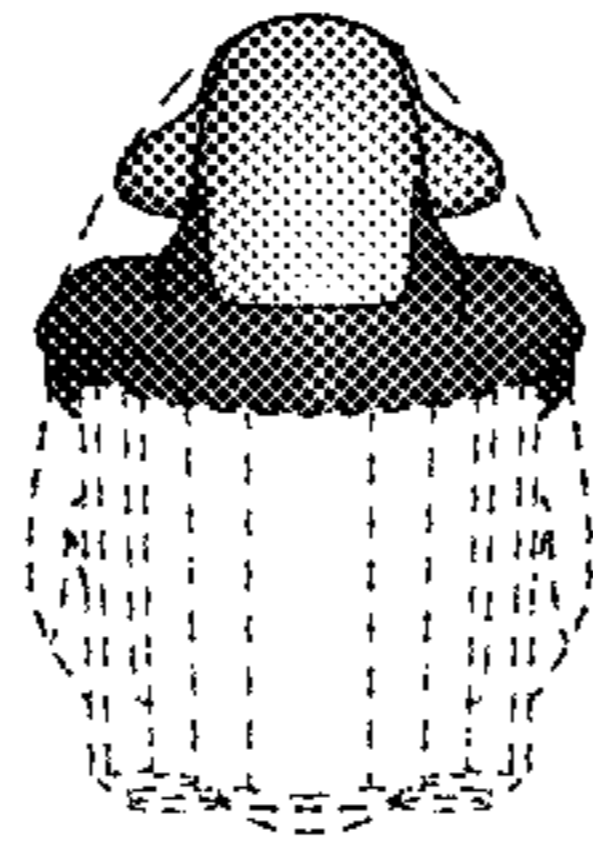


Fig. 6

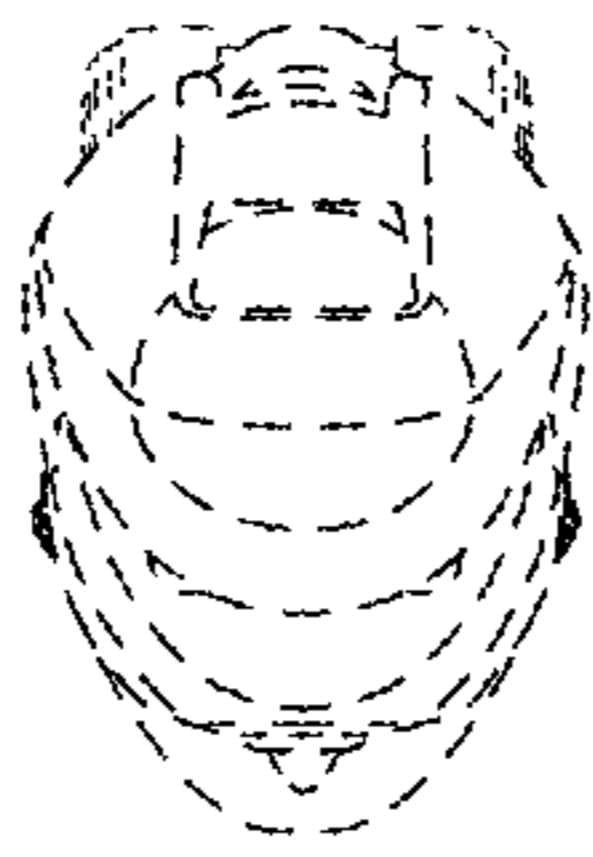


Fig. 7