

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 February 2007 (22.02.2007)

PCT

(10) International Publication Number
WO 2007/021916 A3

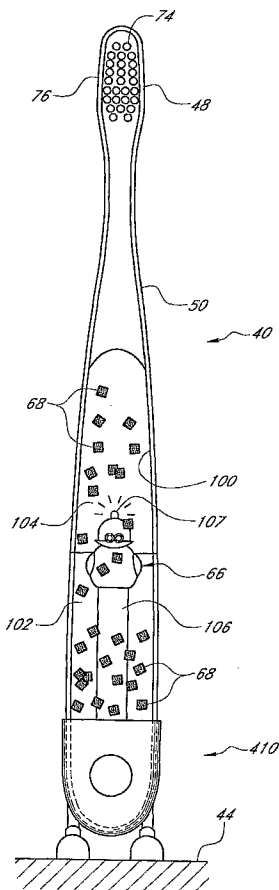
- (51) International Patent Classification:
A46B 9/04 (2006.01)
- (21) International Application Number:
PCT/US2006/031350
- (22) International Filing Date: 11 August 2006 (11.08.2006)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/707,388 11 August 2005 (11.08.2005) US
60/709,215 18 August 2005 (18.08.2005) US
- (71) Applicant (for all designated States except US): **GROW-MAX INVESTMENTS LIMITED** [GB/GB]; 30 Decastro Street., Simmonds Building, Wickham's Cay 1, P.o. Box 961, Road Town, Tortola (VG).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **NANDA, Puneet** [IN/US]; 19013 Jeffrey Avenue, Cerritos, CA 90703 (US).
- (74) Agent: **LEE, Sabing H.**; Knobbe, Martens, Olson & Bear, LLP, 2040 Main Street, 14th Floor, Irvine, CA 92614 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:
— of inventorship (Rule 4.17(iv))

[Continued on next page]

(54) Title: TOOTHBRUSH



(57) Abstract: Disclosed herein are toothbrushes. The toothbrushes are self-standing and are oriented in an upright position when resting on a support surface. In some arrangements, the toothbrush can have a stamp. A closure of the toothbrush can be removed to expose the stamp. The toothbrush has an ink source that deposits ink on the stamp. A receiving stand configured to receive the lower portion of the toothbrush can maintain the toothbrush in a generally vertical orientation.

WO 2007/021916 A3



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:

4 October 2007

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/31350

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A46B 09/04 (2007.01)

USPC - 15/167.1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - A46B 09/04, 13/00, 15/00, 05/02, 07/04; B41K 01/56, 01/38, 01/42; B41J 27/00; B41G 07/00; B41F 17/00 (2007.01)

USPC - 15/167.1, 22.1, 105, 143.1, 145, 176.1; 101/405, 327, 333, 103, 368, 372, 379

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

USPTO EAST System (US, USPG-PUB, EPO, DERWENT), MicroPatent, PUBWEST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,617,884 A (ALLISON) 08 April 1997 (08.04.1997) entire document	1, 2, 7, 9 and 10
X	US 6,606,755 B1 (ROBINSON et al) 19 August 2003 (19.08.2003) entire document	1, 2, 3, 6, 7, 11 and 12
X	US 2,391,371 A (WATT) 18 December 1945 (18.12.1945) entire document	1, 8
--		-----
Y		4, 5
Y	US 3,333,536 A (MESSERSMITH) 01 August 1967 (01.08.1967) entire document	4, 5
Y	US 2004/0143920 A1 (NANDA) 29 July 2004 (29.07.2004) entire document	1-12
Y	US 6,309,088 B1 (CHEN) 30 October 2001 (30.10.2001) entire document	1, 2, 6-12
Y	US 2,456,904 A (WAHLSTROM) 21 December 1948 (21.12.1948) entire document	1, 3-5
Y	US 5,956,796 A (LODATA) 28 September 1999 (28.09.1999)	7
A	US 5,875,796 A (SILVER-ISENSTADT et al) 02 March 1999 (02.03.1999) entire document	1-12
A	US 6,231,904 B1 (MUELLER) 15 May 2001 (15.05.2001) entire document	1-12
A	US 851,550 A (NEVIUS) 23 April 1907 (23.04.1907) entire document	1-12

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

18 April 2007

Date of mailing of the international search report

30 JUL 2007

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450

Facsimile No. 571-273-3201

Authorized officer:

Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300

PCT OSP: 571-272-7774