(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 30 August 2007 (30.08.2007)

(51) International Patent Classification: A46B 9/04 (2006.01)

(21) International Application Number:

PCT/US2007/002637

(22) International Filing Date: 30 January 2007 (30.01.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

16 February 2006 (16.02.2006) 11/355,705 US

- (71) Applicant and
- (72) Inventor: KIM, Youngjoo, Elaine [US/US]; 259 West 10th Street, #3H, New York, NY 10014 (US).
- (74) Agent: ALTMAN, Daniel, E.; Knobbe, Martens, Olson & Bear, Llp, 2040 Main Street, 14th Floor, Irvine, CA 92614
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

(10) International Publication Number WO 2007/097886 A3

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, GT, 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, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, 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:

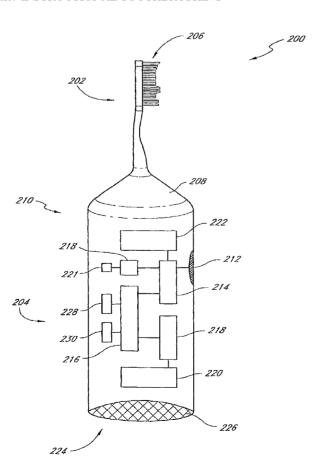
of inventorship (Rule 4.17(iv))

Published:

with international search report

[Continued on next page]

(54) Title: INSTRUCTIONAL TOOTHBRUSHING



(57) Abstract: An instructional hygiene method includes providing an instructional hygiene device, the instructional hygiene device configured to provide an instruction to a user during operation, and delivering said instruction from said instructional hygiene device to said user in response to activation of a user input of said instructional hygiene The instructional hygiene device device. can include a toothbrush or a dentifrice dispenser. The delivering an instruction step can include instructing the user regarding a tooth-brushing technique, instructing the user to move a toothbrush head in a circular motion, instructing the user to brush a tongue, and/or providing music to the user. In addition, the step of delivering the instruction can include retrieving the instruction from a memory of the instructional hygiene device.



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

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.

INTERNATIONAL SEARCH REPORT

International application No. PCT/US 07/02637

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - A46B 9/04 (2007.01) USPC - 15/167.1			
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED			
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols)			
USPC: 15/167.1			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC: 15/167.1			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Pub WEST (USPT, PGPB, EPAB, JPAB); Google Scholar Search Terms Used: sensor, instruction, sound, music, circular, tongue, dentifrice, hygiene			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
X	US 2004/0000017 A1 (Kumangi) 01 January 2004 (01.01.2004), para [0047]-[0082].		1, 2 and 4-20
Υ			3
Υ	US 6,557,728 B1 (Anderson et al.) 06 May 2003 (06.05.2003), col. 2, ln 5-58.		3
Α	US 6,199,239 B1 (Dickerson) 13 March 2001 (13.03.2001).		1-20
Α	US 4,253,212 A (Fujita) 03 March 1981 (03.03.1981).		1-20
		•	
	·		
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. "I" 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			
to be of particular relevance "E" earlier application or patent but published on or after the international "X" document of particular relevance; the		claimed invention cannot be	
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 "Y" document of particular relevance; the		•	
special reason (as specified) con con con con con con con co		considered to involve an inventive combined with one or more other such being obvious to a person skilled in the	documents, such combination
"P" document published prior to the international filing date but later than "&" document member of the same patent family the priority date claimed			
		Date of mailing of the international search report	
13 August 2007 (13.08.2007)		04 OCT 2007	
Name and mailing address of the ISA/US Authorized office Lee W. Young			Calenda
Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450		PCT Helipdesk: 571-272-4300	
Facsimile No. 571-273-3201 PCT OSP: 571-272-7774			