

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 December 2007 (06.12.2007)

PCT

(10) International Publication Number
WO 2007/139976 A3

(51) International Patent Classification:
B65D 85/20 (2006.01) **A61C 15/00** (2006.01)

(21) International Application Number:
PCT/US2007/012576

(22) International Filing Date: 25 May 2007 (25.05.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/808,579 26 May 2006 (26.05.2006) US

(71) Applicant (for all designated States except US): **STAINO, LLC** [US/US]; 11617 State Route 97, Long Eddy, NY 12760 (US).

(72) Inventor: **ANTLER, David, B.I.**; 666 Greenwich Street, Apt.1058, New York, NY 10014 (US).

(74) Agent: **DE LEON, Josefino, P.**; Shlesinger, Arwkrigh & Garvey Llp, 1420 King Street, Suite 600, Alexandria, VA 22314 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BH, 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, LY, MA, MD, ME, 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.

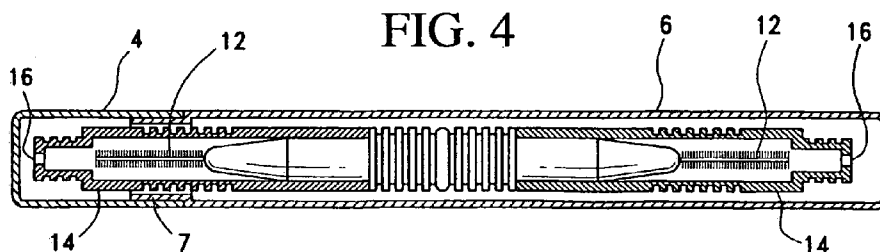
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, 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).

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

(88) Date of publication of the international search report:
16 October 2008

(54) Title: INTERDENTAL BRUSH DEVICE AND CONTAINER



(57) Abstract: Interdentual brush device (8) and container (2) combination comprises a longitudinal container and an interdentual brush device disposed within the container. The interdentual brush device comprises a handle (10); a first interdentual brush (12) disposed at one end of the handle; an extension (14) removably secured to the other end of the handle; a second interdentual brush (12) disposed at the other end of the handle; and a second cap (14) removably enclosing the second brush. The extension is hollow with an open end for being removably secured to the one end as a first cap.



WO 2007/139976 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/12576

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **B65D 85/20**(2006.01);**A61C 15/00**(2006.01)

USPC: 15/167.1, 105, 184; 206/209.1, 349, 361, 362.2; 433/141

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)

U.S. : 15/167.1, 105, 184, 167.3; 206/209.1, 349, 361, 362.2, 807, 459.1, 229; 433/141, 166, 142, 147, 143, 144; D4/108, 199

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,439,885 A (ANTLER) 27 August 2002 (27.08.2002), column 2, lines 16-67.	1-7
Y	US 5,692,603 A (STOTESBURY) 02 December 1997 (02.12.1997), column 3, lines 5-66.	1-3, 6, 7
Y	US 1,051,433 A (MOSELEY et al) 28 January 1913 (28.01.1913), page 1, lines 9-18 and lines 79-98.	1-4, 6
Y	US 5,082,702 A (ALBAND) 21 January 1992 (21.01.1992), column 5, lines 1-16.	5



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:		
"A"	document defining the general state of the art which is not considered to be of particular relevance	"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
"E"	earlier application or patent published on or after the international filing date	"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
"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)	"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
"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	"&" document member of the same patent family

Date of the actual completion of the international search

18 June 2008 (18.06.2008)

Date of mailing of the international search report

21 AUG 2008

Name and mailing address of the ISA/US

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

Facsimile No. (571) 273-3201

Authorized officer

Gary K. Graham

Telephone No. 571-272-2975