

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 May 2008 (22.05.2008)

PCT

(10) International Publication Number
WO 2008/061225 A3

(51) International Patent Classification:
A61C 17/16 (2006.01)

Chicago, IL 60640 (US). **BOLLIG, William, L.** [US/US];
533 Thorndale Ave., Elk Grove Village, IL 60007 (US).

(21) International Application Number:
PCT/US2007/084953

(74) Agent: **KRIEGEL, Jeremy, R.**; Marshall, Gerstein &
Borun LLP, 233 S. Wacker Drive, Suite 6300, Sears Tower,
Chicago, IL 60606-6357 (US).

(22) International Filing Date:
16 November 2007 (16.11.2007)

(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, DO, 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.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/866,201 16 November 2006 (16.11.2006) US
60/866,231 17 November 2006 (17.11.2006) US

(71) Applicant (for all designated States except US): **HU -
FRIEDY MFG. CO., INC.** [—/US]; 3232 N. Rockwell
Street, Chicago, IL 60618 (US).

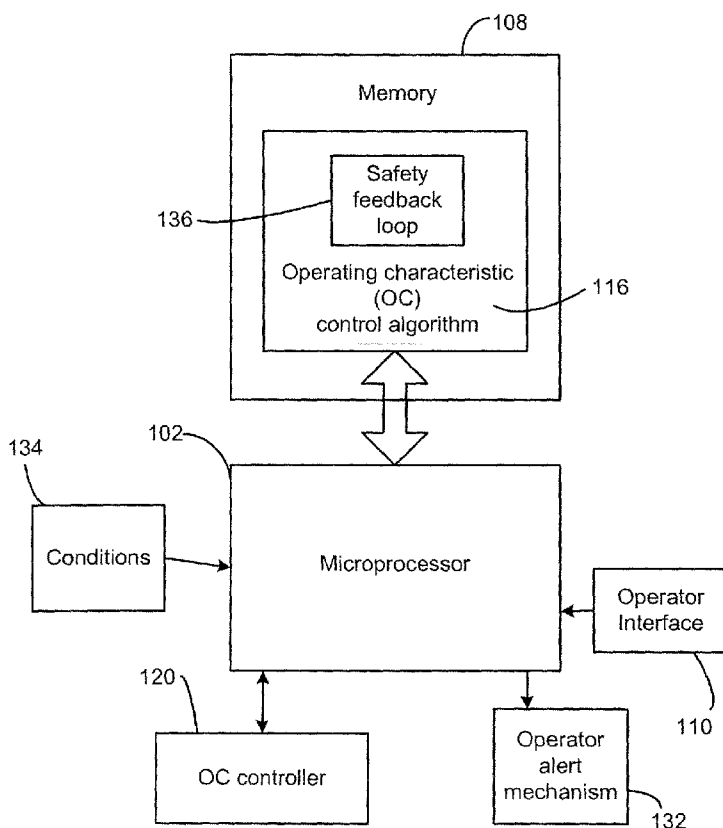
(72) Inventors; and

(75) Inventors/Applicants (for US only): **FEINE, James**
[US/US]; 4801 Willow, Bellaire, TX 77401 (US). **JAM-
NIA, Mohammad, Ali** [US/US]; 4642 N. Hermitage Ave.,

(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,

[Continued on next page]

(54) Title: TIP - BASED COMPUTER CONTROLLED SYSTEM FOR A HAND-HELD DENTAL DELIVERY DEVICE



(57) Abstract: A tip-based computer controlled system for a dental delivery device is disclosed. The system automatically controls an operating characteristic such as power control or fluid flow based on tip identification and history. The operating characteristic may also be controlled in response to particular conditions throughout the dental procedure, such as (but not limited to) temperature, dental hygiene material, fluid type, etc. The system may provide an alert or shut off if unsafe conditions occur and/or error circumstances are detected. An operator interface is provided to configure the system and augment/override an executing control algorithm during a procedure. A method and a computer-readable storage medium are also disclosed.



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).

(88) Date of publication of the international search report:
17 July 2008

Published:

— *with international search report*

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/84953

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61C 17/16 (2008.01)

USPC - 433/119

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) - A61C 1/00, 1/02, 3/00, 17/00, 17/16, 17/20 (2008.01)

USPC - 433/25, 82, 98-99, 100, 114, 119

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)

MicroPatent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,503,081 B1 (FEINE) 07 January 2003 (07.01.2003) entire document	1-3, 5-12, 14, 17-26, 28, 30-39
Y		4, 13, 15-16, 27, 29
Y	US 6,470,222 B1 (DAVIDSON et al) 22 October 2002 (22.10.2002) entire document	4, 15-16, 29
Y	US 5,538,423 A (COSS et al) 23 July 1996 (23.07.1996) entire document	13, 27

☐ Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

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"&" document member of the same patent family

Date of the actual completion of the international search

25 March 2008

Date of mailing of the international search report

18 APR 2008

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