### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

### (19) World Intellectual Property Organization

International Bureau



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

### (10) International Publication Number WO 2008/061225 A3

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

(21) International Application Number:

PCT/US2007/084953

(22) International Filing Date:

16 November 2007 (16.11.2007)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/866,201 16 November 2006 (16.11.2006) 60/866,231 17 November 2006 (17.11.2006) US

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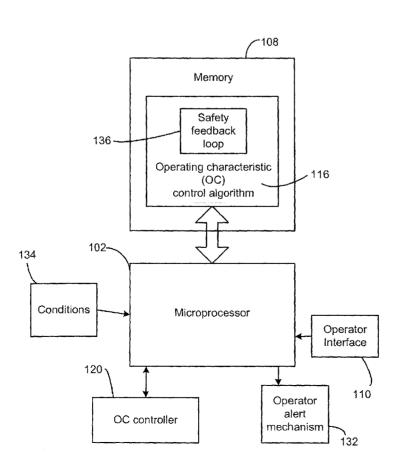
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, 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.
- (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.



## WO 2008/061225 A3



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:

### Published:

with international search report

### INTERNATIONAL SEARCH REPORT

International application No.
PCT/US07/84953

Perther documents are listed in the continuation of Box C.	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				
Further documents are listed in the continuation of Box C.	B. 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.  13, 5-12, 14, 17-28, 28, 30-39  4, 13, 15-16, 27, 29  Y US 6,870,222 B1 (DAVIDSON et al) 22 October 2002 (22.10, 2002) enlire document  US 5,538,423 A (COSS et al) 23 July 1996 (23.07, 1996) enlire document  13, 27  "T absoluted reference in the first page and a state of the art which is not considered to be of particular relevance. The claim of the principle or theory underlying the invention are considered to involve an inventive step when the document is the document in the docume	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				
C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category*  Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.  US 6,503,081 B1 (FEINE) 07 January 2003 (07.01.2003) entire document  1-3, 5-12, 14, 17-26, 28, 30-39  4, 13, 15-16, 27, 29  4, 13, 15-16, 27, 29  4, 15-16, 29  US 5,538,423 A (COSS et al) 23 July 1996 (23.07.1996) entire document  25,538,423 A (COSS et al) 23 July 1996 (23.07.1996) entire document  26,538,423 A (COSS et al) 23 July 1996 (23.07.1996) entire document  27  38  39  4, 13, 15-16, 27, 29  4, 15-16, 29  13, 27  13 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 floory underlying the invention cannot be discipled to establish the publication date of another citation or other siciled to establish the publication date of another citation or other siciled to establish the publication date of another citation or other means  27  28  29  20  20  21  21  21  22  21  22  21  22  22	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
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