



(51) International Patent Classification:

A61B 5/06 (2006.01) G05F 1/00 (2006.01)
H04B 13/00 (2006.01)

(21) International Application Number:

PCT/US2009/049618

(22) International Filing Date:

2 July 2009 (02.07.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/079,082 8 July 2008 (08.07.2008) US

(71) Applicant (for all designated States except US): **PROTEUS BIOMEDICAL, INC.** [US/US]; 2600 Bridge Parkway, Suite 101, Redwood City, CA 94065 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **O'REILLY, David** [US/US]; 2508 Waverley Street, Palo Alto, CA 94301 (US). **KARPLUS, Erika** [US/US]; P.o. Box 2134, Silverthorne, CO 80498 (US). **THOMPSON, Andrew** [US/US]; 840 Westridge Drive, Portola Valley, CA 94028 (US). **SAVAGE, George** [US/US]; 1180 Westridge Drive, Portola Valley, CA 94028 (US). **ZDEBLICK,**

Mark [US/US]; 300 La Mesa Drive, Portola Valley, CA 94028 (US). **ROBERTSON, Timothy** [US/US]; 2719 Sequoia Way, Belmont, CA 94002 (US). **ARNE, Lawrence** [US/US]; 24 Fulton Street, Redwood City, CA 94063 (US). **BEHZADI, Yashar** [US/US]; 88 King Street #520, San Francisco, CA 94107 (US). **MOON, Gregory** [US/US]; 136 Spring Road, Orinda, CA 94563 (US). **BEAULIEU, Patrick** [US/US]; 7094 Brooktree Way, San Jose, CA 95120 (US).

(74) Agent: **FIELD, Bret**; Bozicevic Field & Francis LLP., 1900 University Avenue, Suite 200, East Palo Alto, CA 94303 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, 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, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

[Continued on next page]

(54) Title: INGESTIBLE EVENT MARKER DATA FRAMEWORK

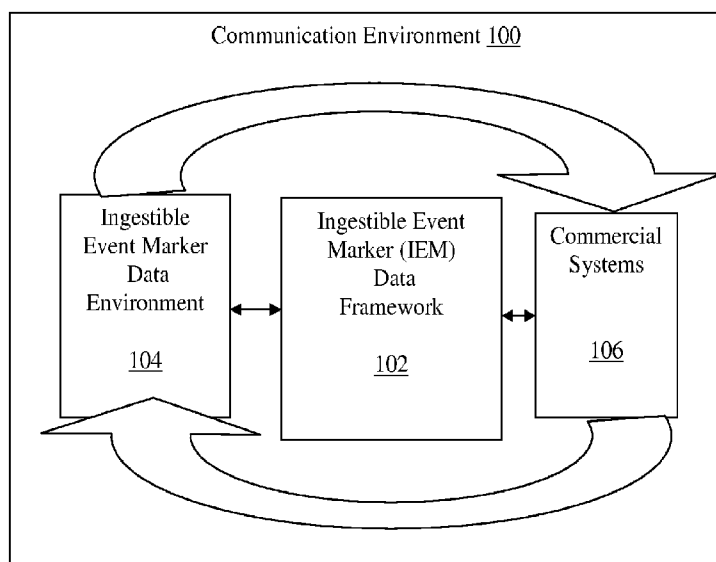


Figure 1

(57) Abstract: The ingestible event marker data framework provides a uniform, comprehensive framework to enable various functions and utilities related to ingestible event marker data (IEM data). The functions and utilities include data and / or information having an aspect of data derived from, collected by, aggregated by, or otherwise associated with, an ingestion event.



(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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (*Art. 21(3)*)
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (*Rule 48.2(h)*)

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

11 March 2010