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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
4 May 2006 (04.05.2006)

PCT

(10) International Publication Number
WO 2006/047410 A2

(51) International Patent Classification:
H01L 21/66 (2006.01)

(21) International Application Number:
PCT/US2005/038173

(22) International Filing Date: 24 October 2005 (24.10.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/972,542 25 October 2004 (25.10.2004) US

(71) Applicant *(for all designated States except US)*: **ADVANCED TECHNOLOGY MATERIALS, INC.** [US/US]; 7 Commerce Drive, Danbury, CT 06810-4169 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **DIETZ, James** [US/US]; 95 Grand Boulevard, Scarsdale, NY 10583 (US). **BISHOP, Steven, E.** [US/US]; 1596 15th Avenue NE, Rio Rancho, NM 87144 (US). **MCMANUS, James, V.** [US/US]; 73 Taylor Road, Bethel, CT 06801 (US). **LURCOTT, Steven, M.** [US/US]; 17 Brookside Lane, Sherman, CT 06784 (US). **WODJENSKI, Michael, J.** [US/US]; 17 Brookside Avenue, New Milford, CT 06776 (US). **KAIM, Robert** [US/US]; 762 Washington Street, Brookline, MA 02446 (US). **DIMEO, Frank, Jr.** [US/US]; 27 Crows Nest Lane, 19G, Danbury, CT 06810 (US).

(74) Agent: **HULTQUIST, Steven, J.**; Intellectual Property/Technology Law, P.O Box 14329, Research Triangle Park, NC 277709 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, 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, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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).

Published:
— *without international search report and to be republished upon receipt of that 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.

(54) **Title:** FLUID STORAGE AND DISPENSING SYSTEM INCLUDING DYNAMIC FLUID MONITORING OF FLUID STORAGE AND DISPENSING VESSEL

(57) **Abstract:** A monitoring system (100) for monitoring fluid in a fluid supply vessel (22, 24, 26, 28, 108) during operation including dispensing of fluid from the fluid supply vessel. The monitoring system includes (i) one or more sensors (114, 126) for monitoring a characteristic of the fluid supply vessel or the fluid dispensed therefrom, (ii) a data acquisition module (40, 132, 146) operatively coupled to the one or more sensors to receive monitoring data therefrom and responsively generate an output correlative to the characteristic monitored by the one or more sensors, and (iii) a processor (50, 150) and display (52, 150) operatively coupled with the data acquisition module and arranged to process the output from the data acquisition module and responsively output a graphical representation of fluid in the fluid supply vessel, billing documents, usage reports, and/or resupply requests.

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