



- (51) **International Patent Classification:**
G01L 7/00 (2006.01)
- (21) **International Application Number:**
PCT/IB2011/000448
- (22) **International Filing Date:**
3 March 2011 (03.03.2011)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
12/717,944 4 March 2010 (04.03.2010) US
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- (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, TH, 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, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,

[Continued on next page]

(54) **Title:** SYSTEM AND METHOD FOR MONITORING RESOURCES IN A WATER UTILITY NETWORK

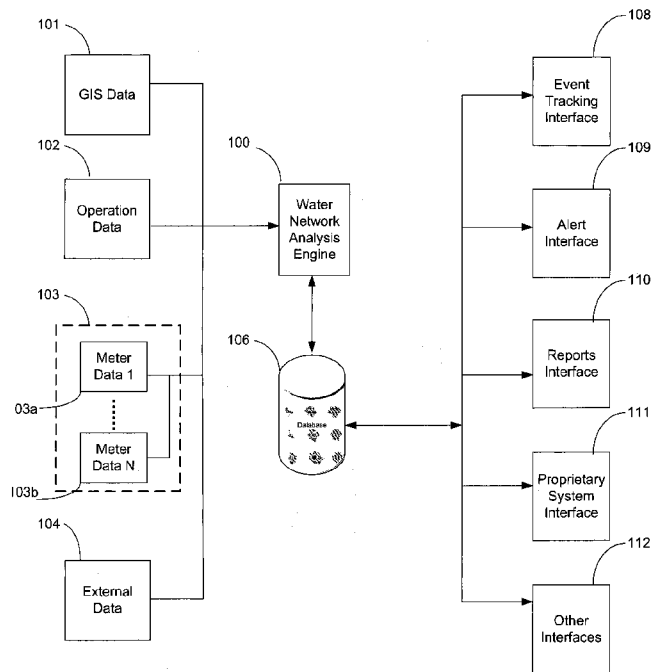


Fig. 1

(57) **Abstract:** A computerized method for monitoring a water utility network, the water utility network comprising a network of pipes for delivering water to consumers and a plurality of meters positioned within the pipes across the water distribution network. The method includes receiving meter data representing parameters measured by the meters, such as flow, pressure, chlorine level, pH and turbidity of the water being distributed through the pipes. The method also includes receiving secondary data from sources external to the meters and representing conditions affecting consumption of water in a region serviced by the water utility network such as weather and holidays. The meter and secondary data is analyzed using statistical techniques to identify water network events including leakage events and other events regarding quantity and quality of water flowing through the pipes and operation of the water network. The events are reported to users via a user interface.

WO 2011/107864 A3



LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, (88) Date of publication of the international search report:
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, 17 November 2011
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 11/00448

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - G01L 7/00 (2011.01) USPC - 702/50; 137/2 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) USPC: 702/50; 137/2 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC: 702/1, 45, 50, 100, 127, 176; 137/1, 2, 8-12; 73/40, 40.5R, 37; 700/1, 90, 275, 281 (keyword limited - see search terms below) Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PubWEST (PGPB, USPT, USOC, EPAB, JPAB); GOOGLE; Google Scholar Terms: utilities, water, pipes, meters, flow, pressure, leaks, interface, resource, distribution, scada, statistics, predict, forecast, quality.		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2007/0219728 A1 (Papageorgiou et al.) 20 September 2007 (20.09.2007), entire document, especially abstract, para [0003], [0033], [0034], [0038], [0053], [0058], [0063], [0081], [0094], [0101], [0112], [0127], [0139], [0176].	1-20
Y	US 2007/0203860 A1 (Golden et al.) 30 August 2007 (30.08.2007), entire document, especially abstract, para [0003], [0005], [0006], [0022], [0032], [0058], [0059].	1-20
A	US 2008/0109175 A1 (Michalak) 08 May 2008 (08.05.2008), entire document, especially abstract, para [0006], [0042], [0062], [0103], [0140], [0172].	1-20
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Date of the actual completion of the international search 22 July 2011 (22.07.2011)		Date of mailing of the international search report 04 AUG 2011
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: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774