



- | | |
|--|---|
| (51) International Patent Classification:
<i>F16K 3/00</i> (2006.01) | (74) Agent: KUESTER, Jeffrey R.; 1600 Parkwood Circle, Suite 400, Atlanta, Georgia 30339 (US). |
| (21) International Application Number:
PCT/US2013/023755 | (81) Designated States (<i>unless otherwise indicated, for every kind of national protection available</i>): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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. |
| (22) International Filing Date:
30 January 2013 (30.01.2013) | (84) Designated States (<i>unless otherwise indicated, for every kind of regional protection available</i>): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG). |
| (25) Filing Language:
English | Published: |
| (26) Publication Language:
English | |
| (30) Priority Data:
61/592,321 30 January 2012 (30.01.2012) US
61/643,400 7 May 2012 (07.05.2012) US
13/753,428 29 January 2013 (29.01.2013) US
13/753,431 29 January 2013 (29.01.2013) US | |
| (71) Applicant: MUELLER INTERNATIONAL, LLC [US/US]; 1200 Abernathy Road, Suite 1200, Atlanta, Georgia 30328 (US). | |
| (72) Inventors: FLEURY, Leo W.; 180 Rocky Hill Road, N. Smithfield, Rhode Island 02896 (US). ROY, Normand James; 40 Bates Avenue, Coventry, Rhode Island 02816 (US). WILLIAMS, James Ola; 25 Doucette Drive, Marlborough, Massachusetts 01752 (US). CLARK, Kenneth A.; 6098 Levi Road, Chattanooga, Tennessee 37415 (US). | |

Published:

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

(54) Title: SENSOR-ENABLED GATE VALVE

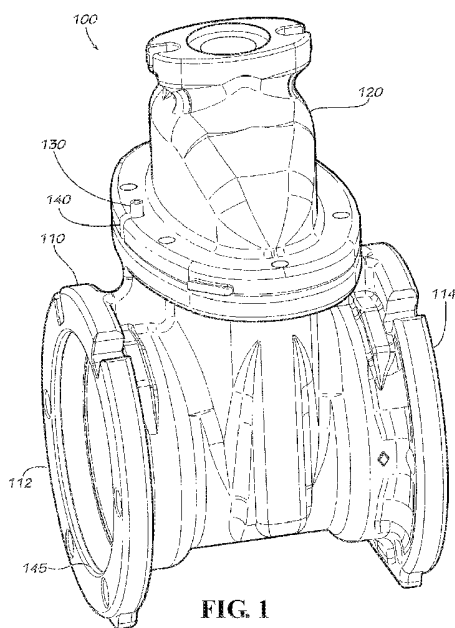


FIG. 1

(57) Abstract: Disclosed is a gate valve having a body, and a sensing bore defined in the gate valve. Also disclosed is a subassembly including a body, the body defining a sensing bore; a bonnet contacting the body; and at least one of a vein and a plug in the sensing bore. Also disclosed is a method of sensing an aspect of a water control system, the method including gaining access to the water control system through an access bore in a gate valve; at least temporarily removing water for testing from the access bore; and sensing an aspect of the removed water.