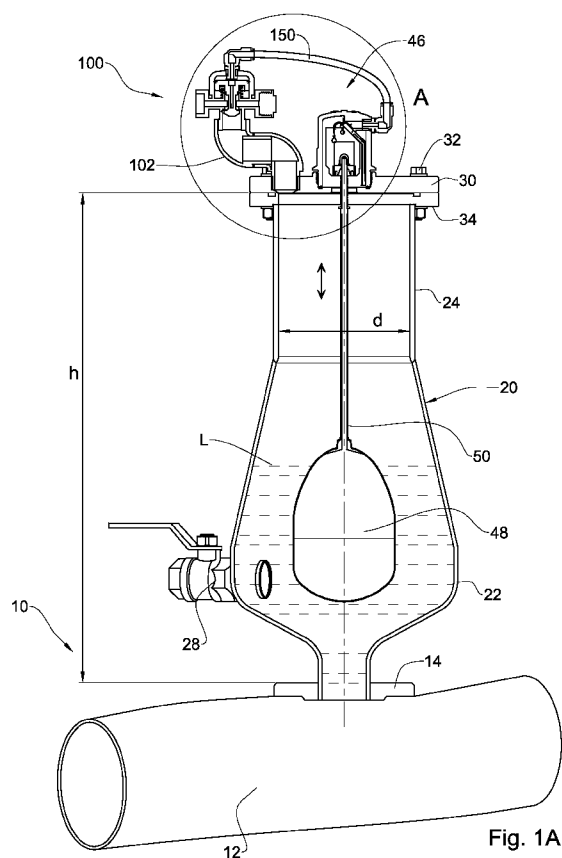




- (51) International Patent Classification:
F16K 24/04 (2006.01) *F16K 31/34* (2006.01)
- (21) International Application Number:
PCT/IL2012/050084
- (22) International Filing Date:
13 March 2012 (13.03.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/452,405 14 March 2011 (14.03.2011) US
- (71) Applicant (for all designated States except US): **A.R.I. FLOW CONTROL ACCESSORIES LTD.** [IL/IL]; Kibbutz Kfar Charuv, 12932 D.N. Ramat Hagolan (IL).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **SHOVAL, Meir** [IL/IL]; Kibbutz Kfar Charuv, 12932 D.N. Ramat Hagolan (IL).
- (74) Agent: **REINHOLD COHN AND PARTNERS;** P.O.B.13239, 61131 Tel Aviv (IL).
- (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, 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.

[Continued on next page]

(54) Title: AUTOMATIC GAS PURGE VALVE



(57) Abstract: An automatic gas purge valve system (10) comprising a normally closed gas discharge faucet (100) configured for discharging gas at substantially high flow rates, and an automatic valve unit (46) configured for selectively generating a flow pulse to displace the gas discharge faucet into its open position.



(84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, 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, 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).

- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

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))

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))