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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
3 January 2013 (03.01.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/003009 A2

(51) International Patent Classification: Not classified

(21) International Application Number:
PCT/US2012/041794

(22) International Filing Date:
10 June 2012 (10.06.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
13/172,661 29 June 2011 (29.06.2011) US

(71) Applicant *(for all designated States except US)*: **HALLIBURTON ENERGY SERVICES, INC.** [US/US]; 2601 Beltline Road, Carrollton, TX 75006 (US).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **VEIT, Jan** [CZ/US]; 3201 Dover Drive, Plano, TX 75075 (US).

(74) Agent: **YOUST, Lawrence, R.**; Lawrence Youst PLLC, One Waterway Court, Suite 3b, The Woodlands, TX 77380 (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, 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.

(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, 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).

Declarations under Rule 4.17:

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

Published:

— *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*

(54) Title: FLOW CONTROL SCREEN ASSEMBLY HAVING REMOTELY DISABLED REVERSE FLOW CONTROL CAPABILITY

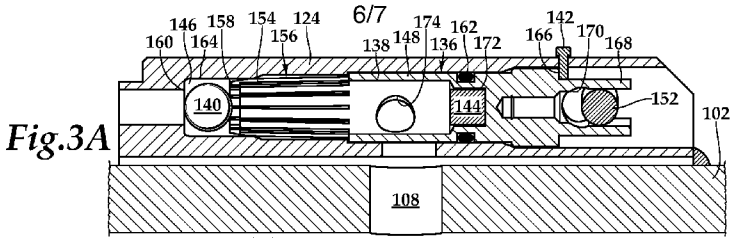


Fig.3A

(57) Abstract: A flow control screen having a flow path between the interior of a base pipe and a filter medium. A valve assembly, including a valve plug, a ball retainer and a piston body with a collet assembly is disposed within the flow path in an opening of a housing disposed about the base pipe. The collet assembly is radially outwardly constrained by a radially reduced section of the opening in a first position preventing entry of the valve plug therein and radially outwardly unconstrained by the radially reduced section in a second position. Reverse flow is initially prevented as internal differential pressure seats the valve plug on a seat of the opening and causes the piston body to shift to the second position upon reaching a predetermined threshold. Thereafter, external differential pressure causes the valve plug to enter the piston body and contact the ball retainer, thereby allowing reverse flow.

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