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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
16 July 2009 (16.07.2009)

PCT

(10) International Publication Number
WO 2009/088424 A3

(51) International Patent Classification:
E21B 43/08 (2006.01)

(21) International Application Number:
PCT/US2008/013667

(22) International Filing Date:
12 December 2008 (12.12.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/970,682 8 January 2008 (08.01.2008) US

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

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **DUSTERHOFT, Ronald, Glen** [CA/CA]; 1902 Crescent Common Drive, Katy, TX 77494 (US). **FERGUSON, Carl, Bismark** [US/US]; 10030 Rustic Gate Road, La Porte, TX 77571 (US).

(74) Agent: **YOUST, Lawrence, R.**; Patton Boggs LLP, 2001 Ross Ave., Suite 3000, Dallas, TX 75201 (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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, 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:

— *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))*

(88) Date of publication of the international search report:
24 September 2009

(54) Title: SAND CONTROL SCREEN ASSEMBLY AND METHOD FOR USE OF SAME

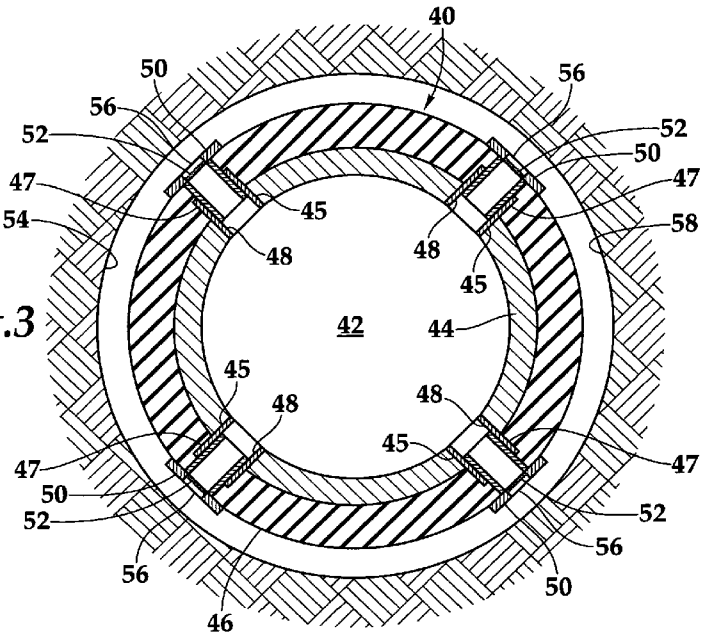


Fig.3

(57) Abstract: A sand control screen assembly (40) includes a base pipe (44) having a plurality of openings (45) in a sidewall portion thereof and a swellable material layer (46) disposed exteriorly of the base pipe (44) and having a plurality of openings (47) that correspond to the openings (45) of the base pipe (44). A plurality of telescoping perforations (48) are operably associated with the openings (45) of the base pipe (44) and at least partially disposed within the corresponding openings (47) of the swellable material layer (46). A filter medium (56) is disposed within each of the telescoping perforations (48). In operation, radial expansion of the swellable material layer (46), in response to contact with an activating fluid, causes the telescoping perforations (48) to radially outwardly extend.

WO 2009/088424 A3