



(51) International Patent Classification:

B01D 39/10 (2006.01) **E21B 43/08** (2006.01)
B01D 35/02 (2006.01)

(21) International Application Number:

PCT/CA2013/050785

(22) International Filing Date:

16 October 2013 (16.10.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/715,110 17 October 2012 (17.10.2012) US

(71) Applicant: **ABSOLUTE COMPLETION TECHNOLOGIES LTD.** [CA/CA]; #302, 600 Crowfoot Crescent NW, Calgary, Alberta T3G 0B4 (CA).(72) Inventors: **RUSSELL, Thane Geoffrey**; Box 6, Site 13, RR1, Cochrane, Alberta T4C 1A1 (CA). **KENNEY, Rick**; 112 Wheatland Court, Longwood, Florida 32779 (US). **HARMAT, Fred**; 5710 36th Street NW, Edmonton, Alberta T6B 3T2 (CA).(74) Agents: **CALDWELL, Roseann, B.** et al.; Bennett Jones LLP, 4500 Bankers Hall East, 855 2nd Street SW, Calgary, Alberta T2P 4K7 (CA).

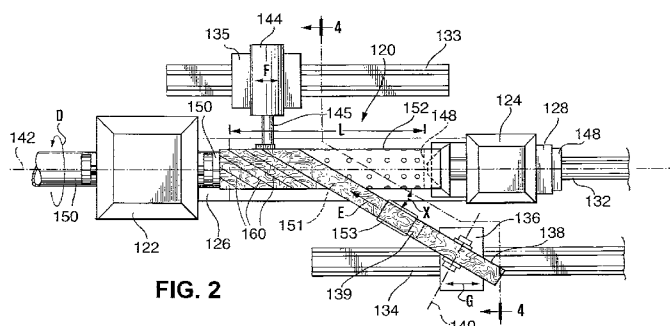
(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, 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, SA, 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, KM, ML, MR, NE, SN, TD, TG).

Published:

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

(54) Title: WELLBORE SCREEN, FILTER MEDIUM, AND METHOD

**FIG. 2**

(57) **Abstract:** There is provided a wellbore screen having a base pipe and a strip of filter medium wrapped around the base pipe. The strip of filter medium includes one or more layers of woven steel mesh of various weave patterns, fibers sizes, and/or thread tensions. During the construction of the screen, the strip is wrapped around the base pipe under high tension. The strip has two length-wise edges that may overlap to form a bonded interface.