

(51) International Patent Classification:

E21B 21/10 (2006.01) E21B 19/16 (2006.01)

(21) International Application Number:

PCT/GB2014/050651

(22) International Filing Date:

5 March 2014 (05.03.2014)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

1303986.2 6 March 2013 (06.03.2013) GB

(71) Applicant: MANAGED PRESSURE OPERATIONS PTE. LTD. [SG/SG]; 1 Maritime Square, #12-04A, Harbour Front Centre, 099253 Singapore (SG).

(71) Applicant (for CR only): LAWSON, Alison [GB/GB]; Rutland House, 148 Edmund Street, Birmingham, West Midlands B3 2JA (GB).

(72) Inventors: MACGREGOR, Alexander John; Ellen Bank, Tongland Road, Kirkcudbright, Scotland DG6 4UU (GB). LEUCHTENBERG, Christian; 1 Maritime Square, #12-04A Harbour Front Centre, 099253 Singapore (SG). BISSET, James; Appt 309, Block C, World Trade Centre, Dubai (AE).

(74) Agent: FORRESTERS; Rutland House, 148 Edmund Street, Birmingham, West Midlands B3 2JA (GB).

(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).

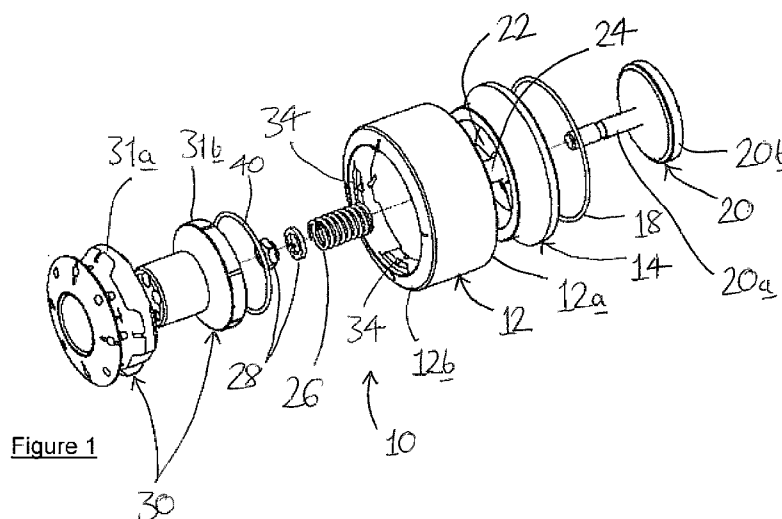
Published:

- with international search report (Art. 21(3))
- 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:

19 February 2015

(54) Title: VALVE ASSEMBLY



(57) Abstract: A valve assembly (10) for use controlling flow of fluid into a drill pipe (42), the valve assembly (10) having a valve body (12), a valve member (20) and a valve seat (14), wherein a) the valve body (12) has a main passage b) the valve member (20) is movable between a closed position in which the valve member (20) engages with a seat face (16) of the valve seat (14) to substantially prevent flow of fluid along the main passage, and an open position in which the valve member (20) is spaced from the seat face (16), c) the valve seat (14) is a separate part to the valve body (12).