



- (51) International Patent Classification: Not classified
- (21) International Application Number:
PCT/GB2011/052293
- (22) International Filing Date:
22 November 2011 (22.11.2011)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
1019744.0 22 November 2010 (22.11.2010) GB
- (71) Applicant (for all designated States except US): **HUNTING ENERGY SERVICES (WELL INTERVENTION) LTD** [GB/GB]; Silverburn Place, Bridge of Don, Aberdeen AB23 8EG (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BROWN, Gareth Edward George** [AU/AU]; 88 Kalamunda Road, Kalamunda, Western Australia 6076 (AU). **RITCHIE, Colin** [GB/GB]; 21 Betteral Road, Kingseat Meadows, Kingseat, Aberdeen, Aberdeenshire AB21 0AT (GB).
- (74) Agent: **MURGITROYD & COMPANY**; Scotland House, 165 - 169 Scotland Street, Glasgow G5 8PL (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, 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, 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).

Published:

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

(54) Title: VALVE APPARATUS AND IMPROVED RAM

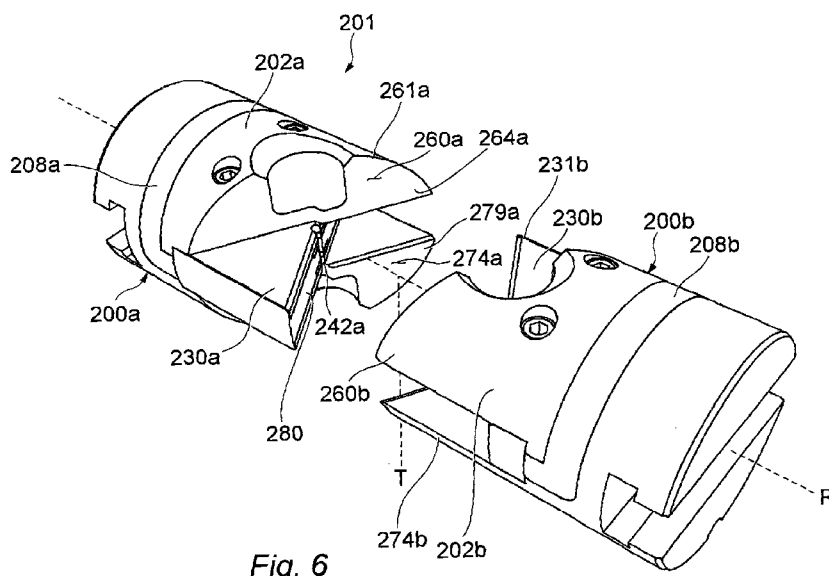


Fig. 6

(57) Abstract: A valve comprises a valve body defining a throughbore having a throughbore axis, a first ram (100a; 200a) comprising a first seal face (144a, 145a; 280a) and a second ram (100b; 200b) comprising a second seal face (144b, 145b; 280b), wherein the first and second rams are disposed on opposing sides of the throughbore on a ram axis and are actuatable to be moved along the ram axis to bring the seal faces together, a channel (142; 242) defined by the first and/or second seal faces configured to accommodate a tubular member (40) in a sealing position when the first and second seal faces are brought together, wherein the first and second seal faces are oriented in a plane which is parallel to the throughbore axis and which is inclined with respect to the ram axis.

