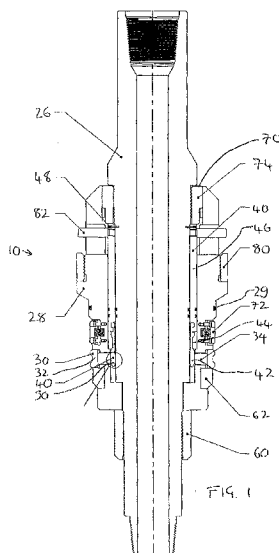




- (51) International Patent Classification:  
*E21B 33/04* (2006.01)
- (21) International Application Number:  
PCT/GB2014/052643
- (22) International Filing Date:  
1 September 2014 (01.09.2014)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
1315592.4 2 September 2013 (02.09.2013) GB
- (71) Applicant: PLEXUS HOLDINGS, PLC [GB/GB]; Plexus House, Site 2, Burnside Drive, Dyce, Aberdeen, AB21 0HW (GB).
- (72) Inventors: VAN BILDERBEEK, Bernard Herman; c/o 21 Upper Phillimore Gardens, London, Greater London, W8 7HF (GB). ROBERTSON, Michael; 6 Brownhill Drive, Newmachar, Aberdeen, Aberdeenshire, AB21 0RF (GB). HENDRIE, Craig Francis Bryce; 6 Migvie Avenue, Kingswells, Aberdeen, Aberdeenshire, AB15 8GF (GB). BRIDGES, Mark; 13 West Park Terrace, Inverberrie, Montrose, Aberdeenshire, DD10 0TZ (GB).
- (74) Agents: JACKSON, Nicholas et al.; Dummett Copp LLP, 25 The Square, Martlesham Heath, Ipswich, Suffolk IP5 3SL (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, ST, 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).

[Continued on next page]

(54) Title: Running Tool



(57) Abstract: -24- P6656.PC/NAJ 01 September 2014 ABSTRACT Running Tool The present invention provides a running tool 10 for a casing hanger 12 in which the casing hanger 12 is arranged to be clamped within a well bore. In the clamped position, the suspension weight of the casing hanger 12 (and suspended) casing string is supported by the wellhead and the running tool 10 is then releasable from the casing hanger 12. The release of the running tool 10 from the casing hanger 12 is performed by applying an axial pressure down the running tool 10 which then enables the securement means 30 of the running tool 10 to be moved into an unsecured position. In the secured position, the casing hanger 12 is suspendable from the running tool 10 and the running tool 10 supports the suspension weight of the casing hanger 12 (and the casing string located there below). The running tool 10 comprises activation means 40 in order to enable the securement means 30 to move from the secured position to the unsecured position. The running tool 10 includes release prevention means 50 in order to prevent the movement of the securement means 30 from the secured position to the unsecured position whilst the suspension weight of the casing hanger 12 is suspended from the running tool 10. [Figure 1]

**Published:**

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