



(10) International Publication Number
WO 2012/027001 A2

(43) International Publication Date
1 March 2012 (01.03.2012)

PCT

- | | |
|--|--|
| <p>(51) International Patent Classification:
 <i>E21B 33/04</i> (2006.01)</p> | <p>TX 77381 (US). MANDZIAK, Bradley Mitchell
 [CA/CA]; 835 Tuscany Drive, N.W., Calgary, Alberta
 T3L2J8 (CA).</p> |
| <p>(21) International Application Number:
 PCT/US2011/037997</p> | <p>(74) Agent: SWANSON, Tait R.; P.O. Box 692289, Houston,
 TX 77269-2289 (US).</p> |
| <p>(22) International Filing Date:
 25 May 2011 (25.05.2011)</p> | <p>(81) Designated States (<i>unless otherwise indicated, for every
 kind of national protection available</i>): 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, RO, RS, RU, 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.</p> |
| <p>(25) Filing Language: English</p> | |
| <p>(26) Publication Language: English</p> | |
| <p>(30) Priority Data:
 12/868,469 25 August 2010 (25.08.2010) US</p> | |
| <p>(71) Applicant (<i>for all designated States except US</i>):
 CAMERON INTERNATIONAL CORPORATION
 [US/US]; 1333 W Loop South, Suite 1700, Houston, TX
 77027 (US).</p> | |
| <p>(72) Inventors; and</p> | |
| <p>(75) Inventors/Applicants (<i>for US only</i>): HANLIN, Jr.,
 David Joseph [US/US]; 22 Summer Crest Circle, Spring,</p> | <p>(84) Designated States (<i>unless otherwise indicated, for every
 kind of regional protection available</i>): ARIPO (BW, GH,
 GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG,</p> |

[Continued on next page]

(54) Title: INDEPENDENT GUIDE STRING HANGER

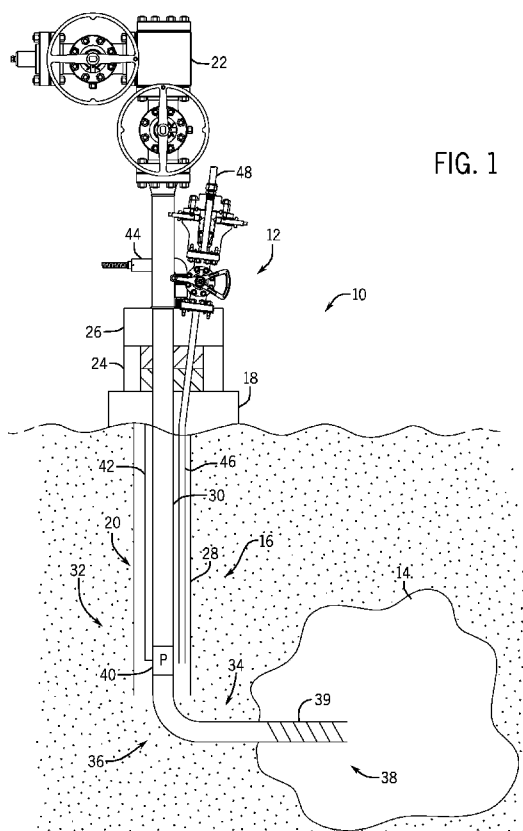


FIG. 1

(57) Abstract: A system, in certain embodiments, includes a casing head and a tubing hanger disposed within the casing head and supported by a first retaining feature of the casing head. The tubing hanger is configured to support a tubing string. The system also includes a guide string hanger disposed within the casing head and supported by a second retaining feature of the casing head independent of the first retaining feature. The guide string hanger is configured to support a guide string.



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).

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

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

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*