(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
5 August 2010 (05.08.2010)

PCT

(10) International Publication Number
WO 2010/088037 A3

(51) **International Patent Classification**:
E21B 33/035 (2006.01) ***E21B 33/043*** (2006.01)
E21B 33/04 (2006.01)

(21) **International Application Number**:
PCT/US2010/020821

(22) **International Filing Date**:
12 January 2010 (12.01.2010)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
61/147,978 28 January 2009 (28.01.2009) US

(71) **Applicant** *(for all designated States except US)*: **CAMERON INTERNATIONAL CORPORATION** [US/US]; 1333 W Loop South, Suite 1700, Houston, TX 77027 (US).

(72) **Inventor; and**

(75) **Inventor/Applicant** *(for US only)*: **NGUYEN, Dennis, P.** [US/US]; 3305 Aspenbrook Ct., Pearland, TX 77581 (US).

(74) **Agent**: **SWANSON, Tait, R.**; 7915 FM 1960 West, Suite 330, Houston, TX 77070 (US).

(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, 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.

(84) **Designated States** *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) **Title**: METHOD AND SYSTEM FOR ONE-TRIP HANGER INSTALLATION

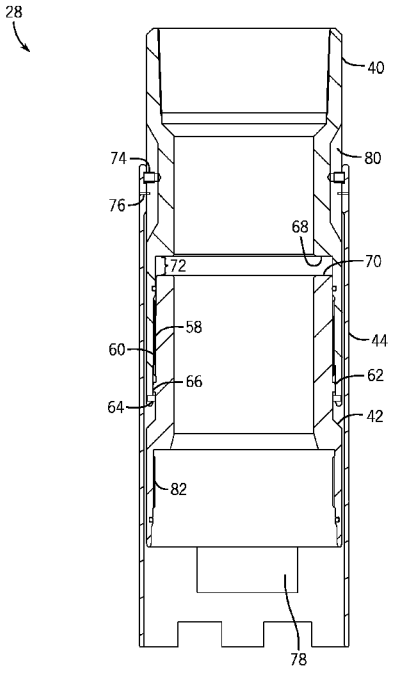


FIG. 3

(57) **Abstract**: The disclosed embodiments include a one-trip tool configured to run a wellhead component into a wellhead, engage an internal coupling to lock the wellhead component in place, over-pull the wellhead component to ensure the internal coupling was properly engaged, and cement the wellhead component in place within the wellhead. One-trip tool comprises: an upper tool portion (40); a lower tool portion (42) coupled to the upper tool portion, wherein the upper tool portion is axially moveable with respect to the lower tool portion; and an energizing sleeve (44) coupled to the upper tool portion, wherein the energizing sleeve is axially fixed with respect to the upper tool portion; said tool configured to permit engaging a coupling to secure the tubular within a wellhead by downward axial movement of the energizing sleeve via rotation of the upper tool portion with respect to the lower tool portion in the first direction; and un coupling the one-trip tool from the tubular via rotation of the one-trip tool with respect to the tubular in a second direction opposite the first direction.

WO 2010/088037 A3

Declarations under Rule 4.17:

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

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

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:
16 September 2010