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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
14 March 2013 (14.03.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/036420 A1

(51) International Patent Classification:
*E21B 33/064* (2006.01) *E21B 33/06* (2006.01)

(21) International Application Number:
PCT/US2012/052867

(22) International Filing Date:
29 August 2012 (29.08.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
13/227,628 8 September 2011 (08.09.2011) US

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

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **JURENA, Johnny Everett** [US/US]; 15630 Twisting Springs Drive, Cypress, Texas 77433 (US).

(74) Agent: **ROSE, Collin A.**; Chamberlain Hrdlicka, 1200 Smith Street, 14th Floor, Houston, Texas 77002 (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, 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, 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, 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**:

— *with international search report (Art. 21(3))*

(54) Title: LOAD-SHARING RAM PACKER FOR RAM TYPE BLOWOUT PREVENTERS

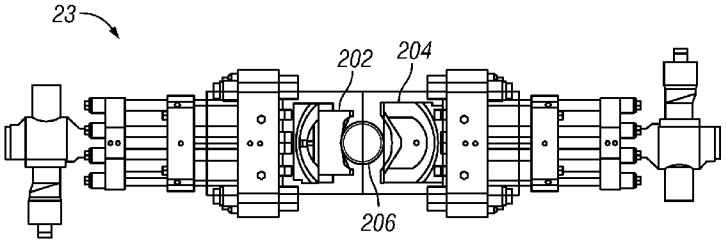


*FIG. 2A*

(57) Abstract: A ram block includes an upper ram arm, a lower ram arm, a packer channel, and a packer disposed at least partially within the packer channel. The packer includes a skeletal member that is configured to couple to the upper ram arm and the lower ram arm to oppose vertical separation of the ram arms.

WO 2013/036420 A1