

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
17 May 2018 (17.05.2018)



(10) International Publication Number
WO 2018/089000 A1

(51) International Patent Classification:

E21B 47/00 (2006.01) G01N 27/72 (2006.01)
E21B 41/00 (2006.01)

(21) International Application Number:

PCT/US2016/061166

(22) International Filing Date:

09 November 2016 (09.11.2016)

(25) Filing Language:

English

(26) Publication Language:

English

(71) Applicant: HALLIBURTON ENERGY SERVICES, INC. [US/US]; 3000 N. Sam Houston Parkway E., Houston, Texas 77032-3219 (US).

(72) Inventor: WILLIAMSON, Jimmie Robert, Jr.; 1421 Flowers Drive, Carrollton, Texas 75007 (US).

(74) Agent: PARKER JUSTISS, P.C. et al.; P.O. Box 832570, Richardson, Texas 75083 (US).

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.

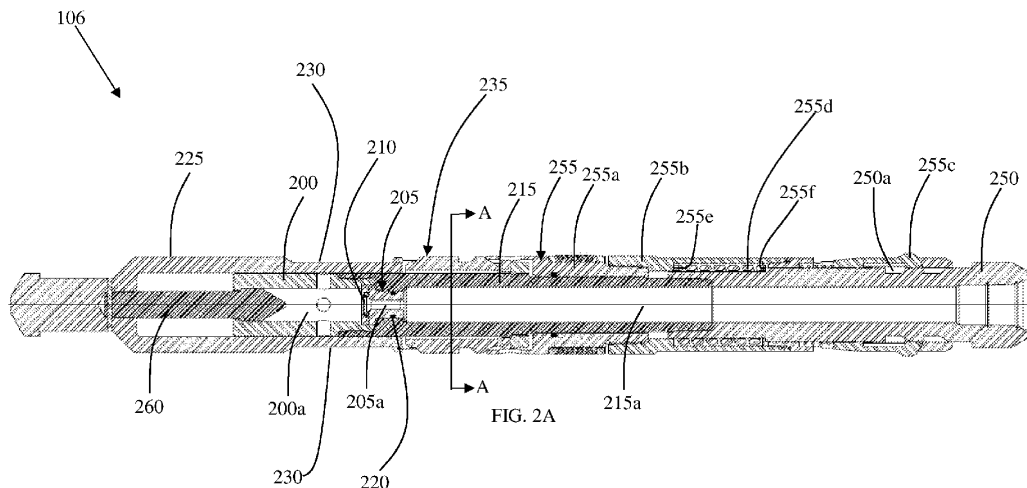
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, 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).

Published:

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

(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, DJ, 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, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK,

(54) Title: SELECTIVE TEST TOOL



(57) Abstract: This disclosure presents a selective service tool that has key prop mandrel that is slidably coupled to and extends over a cage mandrel. The lower end of the key prop mandrel including key props. The key has first and second opposing sections located about an outer perimeter and adjacent an upper end of the locator mandrel, wherein the key props are positionable between the first section and the outer perimeter of the locator mandrel and the second section and the outer perimeter of the locator mandrel, respectively, when the key is in a deployed position.

WO 2018/089000 A1