



- (51) **International Patent Classification:**
E21B 47/09 (2006.01) *G06K 17/00* (2006.01)
- (21) **International Application Number:**
PCT/US2012/049837
- (22) **International Filing Date:**
7 August 2012 (07.08.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
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- (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:** SYSTEMS AND METHODS FOR LOCATING WELLBORE SERVICING TOOLS WITHIN A WELLBORE

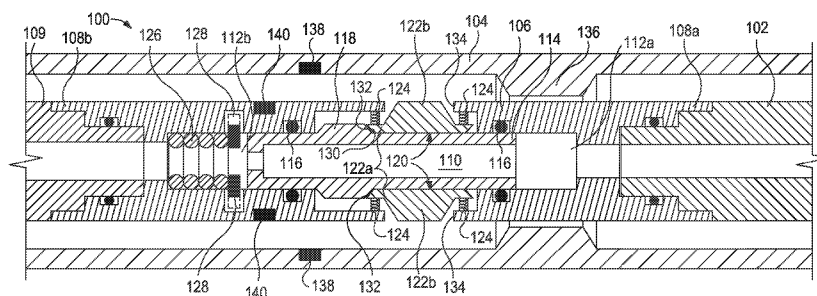


FIG. 1A

(57) **Abstract:** Disclosed are methods and systems for accurately locating wellbore servicing tools within a wellbore. A positioning system includes an elongate housing defining a piston bore with first and second axial ends, a sleeve arranged within the piston bore and having an upset extending radially outward therefrom, one or more lugs arranged within the elongate housing and radially movable when acted upon by the upset, a first biasing device arranged within the piston bore at the second axial end, and at least one RFID tag arranged on the production tubular and configured to communicate with at least one RFID reader arranged on the elongate housing, the at least one RFID reader being configured to deploy the first biasing device upon communicating with the at least one RFID tag, and thereby force the sleeve toward the first axial end and the upset into engagement with the lugs which engage a profile.

