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(54) Title: TIME DELAYED SECONDARY RETENTION MECHANISM FOR SAFETY JOINT IN A WELLBORE

(57) Abstract: Certain aspects and features of the present invention are directed to a safety joint that can be disposed in a wellbore through a fluid-producing formation. The safety joint can include a body configured to be disposed in the wellbore, a primary retention mechanism, a secondary retention mechanism, and a time delay mechanism. The primary retention mechanism can be coupled to the body and can prevent the actuation of the safety joint. The secondary retention mechanism can be coupled to the body and can prevent the actuation of the safety joint in response to the primary retention mechanism allowing the actuation of the safety joint. The time delay mechanism can generate a time delay between the primary retention mechanism allowing the actuation of the safety joint and the secondary retention mechanism preventing the actuation of the safety joint.

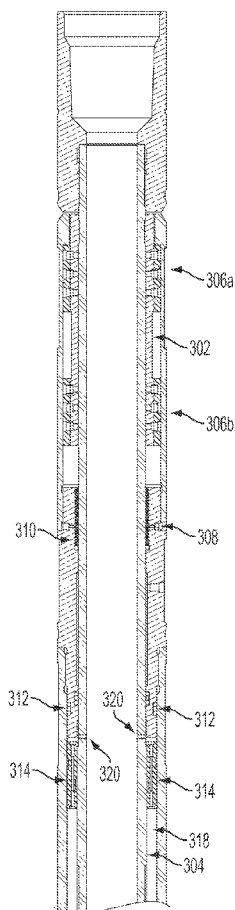


FIG. 3



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.

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