

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
30 January 2020 (30.01.2020)



(10) International Publication Number
WO 2020/023018 A1

- (51) **International Patent Classification:**
E21B 34/06 (2006.01) *E21B 34/00* (2006.01)
- (21) **International Application Number:**
PCT/US2018/043388
- (22) **International Filing Date:**
24 July 2018 (24.07.2018)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
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MG, MK, 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).

Declarations under Rule 4.17:

— *of inventorship* (Rule 4.17(iv))

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, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME,

(54) **Title:** SECTION-BALANCED ELECTRIC SAFETY VALVE

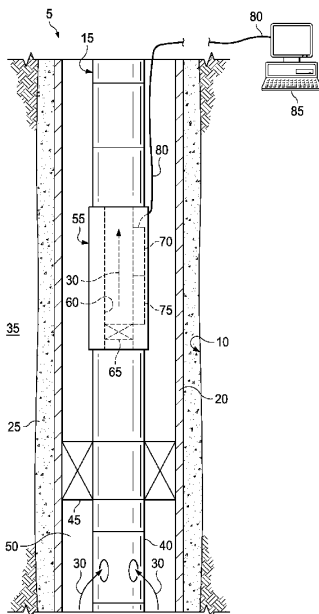


FIG. 1

(57) **Abstract:** Provided are electric safety valves and methods of use. An electric safety valve comprises an electric actuator positioned in an interior chamber of the electric safety valve; the interior chamber comprising a dielectric fluid and being pressure and temperature compensated with a flow passage extending axially through the electric safety valve. The pressure and temperature compensation is performed via a compensating subassembly in pressure communication with the interior chamber thereby providing a section-balanced electric safety valve. The electric safety valve further comprises a protective sleeve separating the interior chamber from the flow passage. The electric safety valve further comprises at least one compression spring rod coupled to a closure member capable of restricting or preventing fluid flow through the flow passage. A method includes actuating the electric actuator; the electric actuator being magnetically coupled to the closure member such that actuation of the electric actuator pivots the closure member.

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