



- (51) **International Patent Classification:**
E21B 21/08 (2006.01) *E21B 21/10* (2006.01)
- (21) **International Application Number:**
PCT/US2012/030641
- (22) **International Filing Date:**
27 March 2012 (27.03.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
13/084,025 11 April 2011 (11.04.2011) US
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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, 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, MD, 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).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

27 December 2012

(54) **Title:** SELECTIVELY VARIABLE FLOW RESTRICTOR FOR USE IN A SUBTERRANEAN WELL

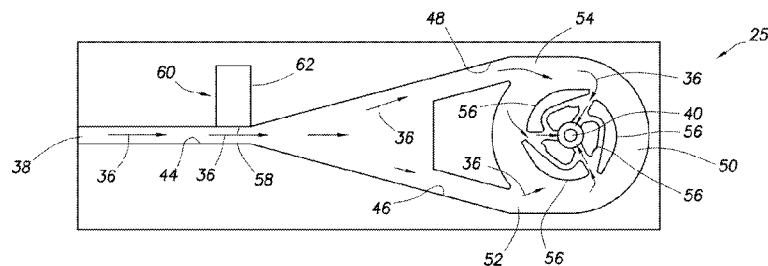


FIG.3

(57) **Abstract:** A variable flow resistance system for use with a subterranean well can include a flow chamber through which a fluid composition flows, the chamber having at least two inlets, and a flow resistance which varies depending on proportions of the fluid composition which flow into the chamber via the respective inlet flow paths, and an actuator which varies the proportions. The actuator may deflect the fluid composition toward one of the inlet flow paths. A method of variably controlling flow resistance in a well can include changing an orientation of a deflector relative to a passage through which a fluid composition flows, thereby influencing the fluid composition to flow toward one of multiple inlet flow paths of a flow chamber, the chamber having a flow resistance which varies depending on proportions of the fluid composition which flow into the chamber via the respective inlet flow paths.