

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
19 March 2009 (19.03.2009)

PCT

(10) International Publication Number  
**WO 2009/035945 A1**

- (51) International Patent Classification:  
**F15B 1/24** (2006.01) **F15B 21/04** (2006.01)
- (21) International Application Number:  
PCT/US2008/075607
- (22) International Filing Date:  
8 September 2008 (08.09.2008)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/993,110 10 September 2007 (10.09.2007) 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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, 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))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: PRESSURE-COMPENSATED ACCUMULATOR BOTTLE

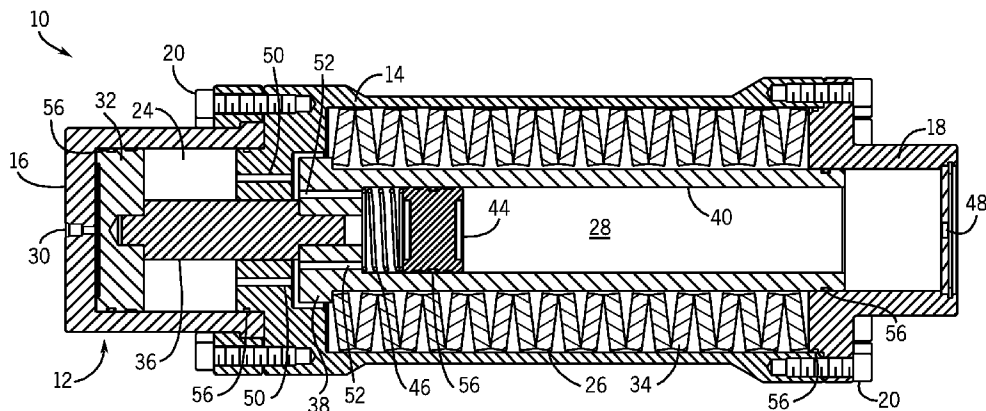


FIG. 2

(57) Abstract: A pressure-compensated accumulator bottle is provided. In one embodiment, the accumulator bottle includes a housing and an interior wall that generally define first, second, and third chambers within the housing. In this embodiment, a spring is disposed in the second chamber and configured to apply a biasing force on a first piston disposed within the first chamber. Further, in this embodiment, an additional piston is disposed within the third chamber and is configured to facilitate balancing of the pressure of a fluid disposed in the second chamber with the pressure of the external environment such that the magnitude of a second biasing force applied on the first piston by the pressure of the fluid depends at least in part on the pressure of the external environment. Hydraulic circuits and systems including a pressure-compensated accumulator bottle are also disclosed.

WO 2009/035945 A1



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**Published:**

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*