



- (51) International Patent Classification: Not classified
- (21) International Application Number: PCT/IB2012/000107
- (22) International Filing Date: 25 January 2012 (25.01.2012)
- (25) Filing Language: Finnish
- (26) Publication Language: English
- (30) Priority Data: 20115079 26 January 2011 (26.01.2011) FI
- (71) Applicant (for all designated States except US): **MARIOFF CORPORATION OY** [FI/FI]; Vimatie 3, FIN-01300 Vantaa (FI).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **MALINEN, Jarkko** [FI/FI]; Kukkakuja 5B, FIN-04430 JARVENPAA (FI). **GENTZ, Klaus** [FI/FI]; Ramsaynkujja 3 A 2, FIN-02780 ESPOO (FI).
- (74) Agent: **CHIVA, Andrew**; Dehns, St. Bride's House, 10 Salisbury Square, London EC4Y 8JD (GB).

(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, LI, 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:

— without international search report and to be republished upon receipt of that report (Rule 48.2(g))

(54) Title: METHOD AND APPARATUS IN A MEDIUM SOURCE OF A FIRE-FIGHTING SYSTEM

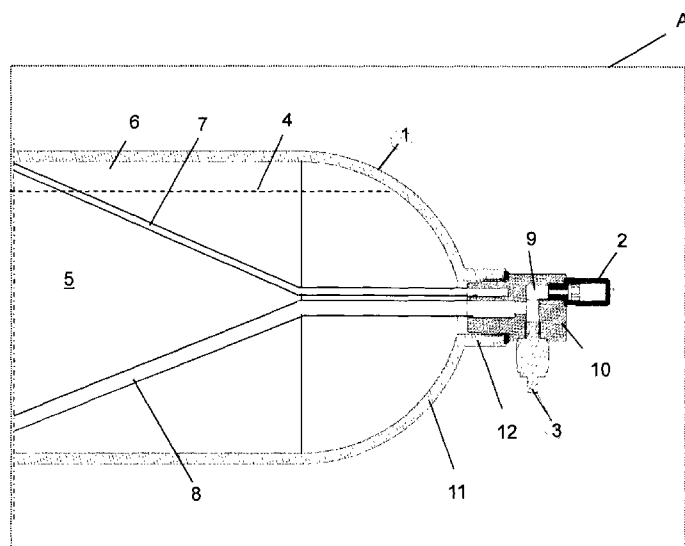


Fig. 2

(57) Abstract: Method for monitoring the amount of liquid of an extinguishing liquid container (1) of a fire-fighting apparatus. The extinguishing liquid container (1) is filled with extinguishing liquid such that a predefined volume (6) remains unfilled, the extinguishing liquid container is pressurized with a gas, e.g. using the filling connector (2), to the standby pressure (P2), which is higher than the switching point (Psw) of the pressure sensor or pressure switch (3), in which case when the amount of extinguishing liquid (5) in the extinguishing liquid container (1) decreases, the pressure (P2) of the extinguishing liquid container (1) decreases from the standby pressure (P2) as the proportion of the volume of the gas expands, in which case as a consequence of the decrease in the amount of extinguishing liquid and when the pressure decreases from the standby pressure to a second, lower value, which is set as the switching limit (Psw) of the pressure sensor or pressure switch (3), the pressure sensor or pressure switch (3) gives a signal, on the basis of which a notification is obtained about the low amount of liquid in the extinguishing medium container. The invention also relates to an

apparatus.