



(51) International Patent Classification:

A24F 47/00 (2006.01) G01F 1/69 (2006.01)
A24F 13/00 (2006.01)

(21) International Application Number:

PCT/EP2009/003668

(22) International Filing Date:

25 May 2009 (25.05.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

08252328.3 8 July 2008 (08.07.2008) EP

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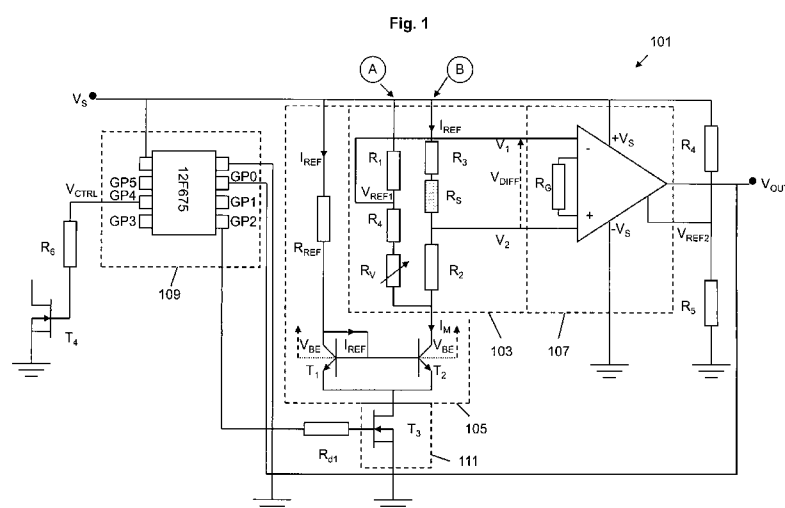
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, 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, MK, 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).

Published:

— with international search report (Art. 21(3))

(54) Title: A FLOW SENSOR SYSTEM



(57) Abstract: There is provided a flow sensor system for sensing fluid flow indicative of a puff in an aerosol generating system. The sensor system includes a sensing circuit comprising a sensing resistor and a voltage output. The sensing resistor is arranged to detect fluid flow based on a change in resistance. The sensing circuit is arranged such that the change in resistance of the sensing resistor causes a change in the voltage output. The sensor system also includes a signal generator arranged to supply a pulsed driving signal to the sensing circuit for powering the sensing circuit. The sensing circuit is powered when the pulsed driving signal is high and not powered when the pulsed driving signal is low. The sensor system is arranged to operate in a first mode, in which no puff is expected or detected and in which the pulsed driving signal has a first frequency, and a second mode, in which a puff is expected or detected and in which the pulsed driving signal has a second frequency, greater than the first frequency.