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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
28 June 2012 (28.06.2012)

WIPO | PCT

(10) International Publication Number
WO 2012/085207 A1

(51) International Patent Classification:
A24F 47/00 (2006.01) *A61M 15/06* (2006.01)

(21) International Application Number:
PCT/EP2011/073795

(22) International Filing Date:
22 December 2011 (22.12.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10252234.9 24 December 2010 (24.12.2010) EP

(71) Applicant *(for all designated States except US)*: **PHILIP MORRIS PRODUCTS SA** [CH/CH]; Quai Jeanrenaud 3, CH-2000 Neuchatel (CH).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: **FLICK, Jean-Marc** [FR/CH]; Rue de la Poste 3, CH-1405 Pomy (CH).

(74) Agent: **PONDER, William**; Reddie & Grose LLP, Patent Attorney, 16 Theobalds Road, London Greater London WC1X 8PL (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, 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).

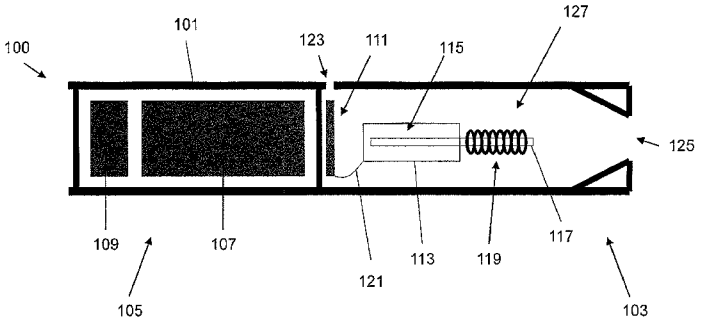
Published:

— *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))*

(54) Title: AN AEROSOL GENERATING SYSTEM HAVING MEANS FOR HANDLING CONSUMPTION OF A LIQUID SUBSTRATE

Figure 1



(57) Abstract: There is provided an electrically operated aerosol generating system (100) for receiving an aerosol - forming substrate (115). The system comprises a liquid storage portion (113) for storing liquid aerosol - forming substrate, an electric heater (119) comprising at least one heating element for heating the liquid aerosol - forming substrate, and electric circuitry (109) configured to monitor activation of the electric heater and estimate an amount of liquid aerosol - forming substrate remaining in the liquid storage portion based on the monitored activation. There is also provided a method in an electrically operated aerosol generating system comprising a liquid storage portion for storing liquid aerosol - forming substrate and an electric heater comprising at least one heating element for heating the liquid aerosol - forming substrate, the method comprising: monitoring activation of the electric heater and estimating an amount of liquid aerosol - forming substrate remaining in the liquid storage portion based on the monitored activation.

WO 2012/085207 A1