

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
13 September 2007 (13.09.2007)

PCT

(10) International Publication Number
WO 2007/102087 A3

(51) International Patent Classification:

A61M 11/04 (2006.01) B05B 17/04 (2006.01)
B05B 9/00 (2006.01) B05B 1/24 (2006.01)

(21) International Application Number:

PCT/IB2007/001654

(22) International Filing Date: 31 January 2007 (31.01.2007)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/763,350 31 January 2006 (31.01.2006) US

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

(72) Inventors: **PRICE, Shane**; 106 Hickory Drive, Weaver, AL 36277 (US). **SYCHEV, Evgeni**; 917 Pinecliff Drive, Oxford, AL 36203 (US). **BELCASTRO, Marc, D.**; 3242 Patch Terrace, Glen Allen, VA 23059 (US). **SWEPTON, Jeffrey, A.**; 4050 Fox Run Road, Powhatan, VA 23139 (US).

(74) Agent: **MARLOW, Nicholas, Simon**; Reddie & Grose, 16 Theobalds Road, London WC1X 8PL (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, 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, LV, LY, MA, MD, 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, 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, HU, IE, IS, IT, LT, LU, LV, MC, NL, 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:

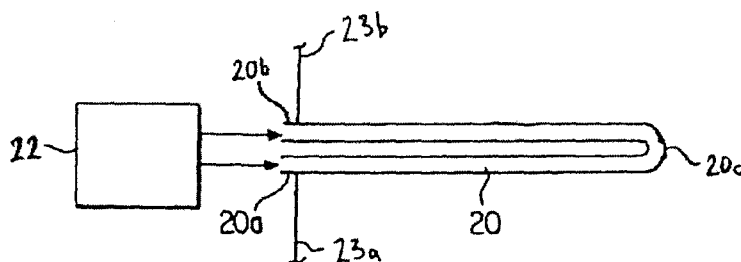
- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- the filing date of the international application is within two months from the date of expiration of the priority period

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

27 December 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CAPILLARY TUBE AEROSOL GENERATOR



(57) Abstract: An apparatus for generating aerosol comprises a capillary tube (20) comprises at least one bend, fluid inlets (20a, 20b) in communication with a fluid source (22) and an outlet (20c) along the bend. The capillary tube is heated to a temperature sufficient to volatilize fluid in the capillary tube, such that the volatilized fluid discharges from the outlet to form an aerosol. A method of generating an aerosol is also disclosed.

WO 2007/102087 A3