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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
19 April 2007 (19.04.2007)

PCT

(10) International Publication Number
WO 2007/042941 A3

(51) International Patent Classification:
A24F 47/00 (2006.01)

(21) International Application Number:
PCT/IB2006/003842

(22) International Filing Date: 2 October 2006 (02.10.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/722,035 30 September 2005 (30.09.2005) US
60/722,036 30 September 2005 (30.09.2005) 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: **ADAMS, John, M.**; 9398 Hartford Oaks Drive, Mechanicsville, VA 23116 (US). **CROWE, William, J.**; 11120 Chalkley Road, Chester, VA 23831 (US). **HEARN, John, R.**; 14204 Flag Tail Way, Midlothian, VA 23112 (US). **LEE, Robert, E.**; 11802 Prince Regent Place, Richmond, VA 23238 (US). **STEVENSON, Brett, W.**; 3938 Lake Hills Road, Richmond, VA 23234 (US). **YANG, Zuyin**; 1413 Goswick Ridge Road, Midlothian, VA 23114 (US). **BAGGETT, James, D., Jr.**; 1825 Parkway Lane, Richmond, VA 23225-7419 (US). **HAIRFIELD, John, R., Jr.**; 13800 Rockhaven Drive, Chester, VA 23836 (US). **LARSON, Steven, J.**; 8619 Den Ark Drive, Richmond, VA 23535 (US). **RIPLEY, Robert, L.**; 2427 Manakintown Ferry Road, Midlothian, VA 23113 (US). **WRENN, Susan, E.**; 12130 Ivy Mill Road, Chesterfield, VA 23832 (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, 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).

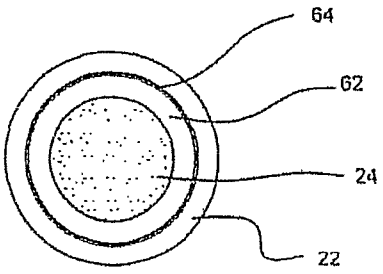
Published:
— *with international search report*

(88) Date of publication of the international search report:
4 October 2007

(15) Information about Correction:
Previous Correction:
see PCT Gazette No. 34/2007 of 23 August 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: ELECTRICAL SMOKING SYSTEM



(57) Abstract: An electrical smoking system (20) comprises a tobacco mass (24) which is heated to a temperature of about 150°C to about 220°C to release flavorful tobacco volatiles, which are entrained in air (26) passing through the tobacco mass and condensed to form an inhalable aerosol (32). The tobacco mass may have a rotationally symmetric shape, with at least part of its surface in heat transfer relationship with a heater (22). The heater may be an external shell, an internal rod, or a plate. A mouthpiece (60), with or without a filter, may be arranged in fluid communication with the tobacco mass to direct the aerosol from the system.

WO 2007/042941 A3