



(51) International Patent Classification:

A24C 5/47 (2006.01) A24D 1/02 (2006.01)
A24D 3/02 (2006.01) A24D 3/06 (2006.01)
A24D 3/04 (2006.01)

(21) International Application Number:

PCT/EP2013/065330

(22) International Filing Date:

19 July 2013 (19.07.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

12179441.6 6 August 2012 (06.08.2012) 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, BN, 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, 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, PA, 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, 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, KM, 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: METHOD OF FORMING SMOKING ARTICLES WITH MOUTH END CAVITIES

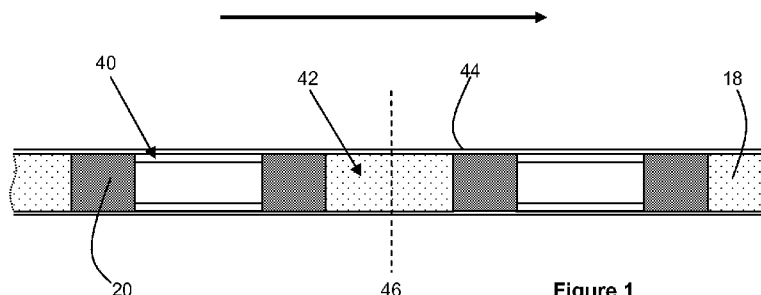


Figure 1

(57) Abstract: A method of producing smoking articles, the method comprising a first step of providing a continuous array of first filter members (42), second filter segments (20) and tubular members (40). A tubular member (40) is provided between each pair of consecutive first filter members (42) and a second filter segment (20) is provided between each first filter member (42) and each tubular member (40). Each second filter segment (20) contains one or more breakable capsules, wherein each breakable capsule comprises an outer shell and an inner core containing an additive. The continuous array of first filter members (42), second filter segments (20) and tubular members (40) is then wrapped with a continuous sheet of plug wrap (44) to form a wrapped filter array, wherein the plug wrap (44) has a basis weight of less than 90 grams per square metre. The wrapped filter array is cut at an intermediate position along each first filter member (42) to provide multiple filter rods, each filter rod comprising two first filter segments (18), a tubular member (40) positioned between the first filter segments (18) and a second filter segment (20) provided between each first filter segment (18) and the tubular member (40). Next, a tobacco rod (12) is provided in axial alignment with and adjacent to each first filter segment (18) of one of the filter rods, and the filter rod and a portion of each tobacco rod (12) are wrapped in a tipping wrapper (50). Finally, the tipping wrapper (50) and the filter rod are cut at an intermediate position along the length of the tubular member (40) to form multiple smoking articles (10), each smoking article (10) comprising a tobacco rod (12) connected to a filter (14), wherein each filter (14) comprises a first filter segment (18) downstream of the tobacco rod (12), a second filter segment (20) downstream of the first filter segment (18), and a hollow tube segment (22) positioned between the second filter segment (20) and the mouth end of the filter (14). The hollow tube segment (22) defines a cavity (24) at the mouth end of the filter (14).