

Title (en)

Method and apparatus for forming a tobacco rod

Title (de)

Verfahren und Vorrichtung zum Bilden eines Tabakstrangs

Title (fr)

Méthode et appareil pour former une tige de tabac

Publication

EP 1021961 A3 20031105 (DE)

Application

EP 99124373 A 19991207

Priority

DE 19857296 A 19981214

Abstract (en)

[origin: US2003106561A1] The filler of a cigarette rod has a tubular portion made of shredded tobacco and surrounding at least one row of spherical inserts made of aromatic material or aerosol. The tubular portion is made by feeding tobacco shreds against the underside of the horizontal lower reach of a foraminous conveyor belt advancing beneath a suction chamber to accumulate a first layer of shreds. The inserts are delivered to the underside of the first layer and are attracted thereto by suction. A second layer of shredded tobacco is assembled by showering shreds against the underside of the first layer where the second layer underlies the spherical inserts. The thus obtained filler is draped into a web of wrapping material to form a cigarette rod ready to be subdivided into sections of unit or multiple unit length. The spherical inserts are expelled from a revolving receptacle under the action of centrifugal force to form a row which is conveyed toward the underside of and advances with the first layer.

IPC 1-7

A24C 5/18

IPC 8 full level

A24C 5/18 (2006.01)

CPC (source: EP US)

A24C 5/1892 (2013.01 - EP US)

Citation (search report)

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US 2003106561 A1 20030612; US 6732740 B2 20040511; AT E352985 T1 20070215; CN 1112860 C 20030702; CN 1256903 A 20000621; DE 19857296 A1 20000615; DE 59914178 D1 20070322; EP 1021961 A2 20000726; EP 1021961 A3 20031105; EP 1021961 B1 20070131; JP 2000175676 A 20000627; JP 4659940 B2 20110330; PL 189627 B1 20050831; PL 337078 A1 20000619; US 6516809 B1 20030211

DOCDB simple family (application)

US 32391002 A 20021220; AT 99124373 T 19991207; CN 99126728 A 19991214; DE 19857296 A 19981214; DE 59914178 T 19991207; EP 99124373 A 19991207; JP 35219999 A 19991210; PL 33707899 A 19991209; US 45991799 A 19991214