

Title (en)

APPARATUS AND METHOD FOR MAKING SEMIFINISHED PRODUCTS INTENDED TO FORM PART OF SMOKERS' ARTICLES

Title (de)

VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG VON HALBZEUGEN ALS TEIL VON RAUCHERARTIKELN

Title (fr)

APPAREIL ET PROCÉDÉ DE FABRICATION DE PRODUITS SEMI-FINIS DESTINÉS À FAIRE PARTIE D'ARTICLES POUR FUMEUR

Publication

**EP 3413728 B1 20200923 (EN)**

Application

**EP 17709479 A 20170209**

Priority

- IT UB20160693 A 20160212
- IB 2017050704 W 20170209

Abstract (en)

[origin: WO2017137916A1] An apparatus (1) for making semifinished products intended to form part of smokers' articles, comprises: a stationary mandrel (401A) elongate along a longitudinal axis (402A); an inner strip (7A) of paper wrapped helically around the mandrel (401A); an outer strip (8A) of paper wrapped helically around the inner strip (7A); a power-driven belt (403A) wrapped helically around the outer strip (8A) to impart to the inner and outer strips (7A, 8A) a movement of rotation about the longitudinal axis (402A) of the mandrel and of translation along the axis in a direction of feed; a cutting station (5) positioned downstream of the mandrel (401A) for cutting pieces (200) of a tubular rod (2A) of paper coming out of the mandrel (401 A) and made up of the inner and outer strips (7A, 8A); the cutting station (5) comprises a blade (501) for intercepting and cutting the rod (2A), disposed in a cutting plane (502) perpendicular to the longitudinal axis (402A) and movable along a circular trajectory around an axis of rotation (505) which is inclined relative to the cutting plane (502) so that the cutting plane (502) moves translationally along the longitudinal axis (402A) during the cutting action.

IPC 8 full level

**A24C 5/46** (2006.01)

CPC (source: CN EP)

**A24C 5/46** (2013.01 - CN EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2017137916 A1 20170817**; CN 108601392 A 20180928; CN 108601392 B 20220201; CN 113615867 A 20211109; CN 113615867 B 20230203; EP 3413728 A1 20181219; EP 3413728 B1 20200923; IT UB20160693 A1 20170812; JP 2019509725 A 20190411; JP 2021182925 A 20211202; JP 6920325 B2 20210818; JP 7301097 B2 20230630

DOCDB simple family (application)

**IB 2017050704 W 20170209**; CN 201780010582 A 20170209; CN 202110907764 A 20170209; EP 17709479 A 20170209; IT UB20160693 A 20160212; JP 2018542286 A 20170209; JP 2021122039 A 20210726