

Title (en)
MODULAR TOBACCO PREPARATION INCLUDING EXTRUSION

Title (de)
MODULARE TABAKVORBEREITUNG MIT EXTRUSION

Title (fr)
PRÉPARATION MODULAIRE DE TABAC AVEC EXTRUSION

Publication
EP 2346362 A1 20110727 (DE)

Application
EP 09783300 A 20090922

Priority
• EP 2009062287 W 20090922
• DE 102008052209 A 20081017

Abstract (en)
[origin: CA2732713A1] The invention relates to a tobacco preparation method, wherein a tobacco material is prepared through at least one extrusion process comprising compressing the material with an increase in pressure and temperature and mechanically processing and abruptly flash drying the material at an extruder outlet, wherein the tobacco material comprises a tobacco lamina material. The invention further relates to a tobacco preparation device comprising a dosing conveyor (2) and an extruder (3) which compresses a tobacco material with an increase in pressure and temperature and mechanically processes and abruptly flash dries the material at the extruder outlet, wherein the components (3, 4) are designed as a unit which can be modularly delimited for processing a tobacco material comprising a tobacco lamina material. The invention further relates to an arrangement of several tobacco preparation devices and a smoking article or cigarette manufacturing device comprising such a device or such a device arrangement which is connected upstream of a cigarette maker or a secondary unit as a tobacco preparation module.

IPC 8 full level
A24B 3/00 (2006.01); **A24B 3/18** (2006.01)

IPC 8 main group level
B29C 48/00 (2019.01)

CPC (source: EP KR US)
A24B 3/00 (2013.01 - EP KR US); **A24B 3/08** (2013.01 - EP KR US); **A24B 3/10** (2013.01 - EP US); **A24B 3/18** (2013.01 - EP KR US); **A24B 13/00** (2013.01 - EP US)

Citation (search report)
See references of WO 2010043477A1

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
DE 102008052209 A1 20100422; **DE 102008052209 B4 20160512**; AU 2009304133 A1 20100422; AU 2009304133 B2 20121025; BR PI0919157 A2 20151208; CA 2732713 A1 20100422; CA 2732713 C 20131112; CL 2011000657 A1 20110819; CN 102186365 A 20110914; CN 102186365 B 20150211; EP 2346362 A1 20110727; EP 2346362 B1 20161123; EP 2730180 A1 20140514; EP 2730180 B1 20181107; JP 2012505642 A 20120308; JP 5439490 B2 20140312; KR 20110084423 A 20110722; MX 2011003213 A 20110421; MY 151344 A 20140515; PL 2346362 T3 20170531; RU 2011119475 A 20121127; RU 2504305 C2 20140120; UA 99676 C2 20120910; US 10398166 B2 20190903; US 11484055 B2 20221101; US 2011284015 A1 20111124; US 2017035097 A1 20170209; US 2019357588 A1 20191128; US 9351519 B2 20160531; WO 2010043477 A1 20100422; ZA 201100668 B 20111026

DOCDB simple family (application)
DE 102008052209 A 20081017; AU 2009304133 A 20090922; BR PI0919157 A 20090922; CA 2732713 A 20090922; CL 2011000657 A 20110325; CN 200980141039 A 20090922; EP 09783300 A 20090922; EP 14150347 A 20090922; EP 2009062287 W 20090922; JP 2011531429 A 20090922; KR 20117011233 A 20090922; MX 2011003213 A 20090922; MY PI20110621 A 20090922; PL 09783300 T 20090922; RU 2011119475 A 20090922; UA A201106013 A 20090922; US 200913124614 A 20090922; US 201615149567 A 20160509; US 201916538370 A 20190812; ZA 201100668 A 20110126