

Title (en)

MACHINE TO MANUFACTURE CARTRIDGES FOR ELECTRONIC CIGARETTES

Title (de)

MASCHINE ZUR HERSTELLUNG VON KARTUSCHEN FÜR ELEKTRONISCHE ZIGARETTEN

Title (fr)

MACHINE À FABRIQUER DES CARTOUCHES DE CIGARETTES ÉLECTRONIQUES

Publication

EP 3353057 A1 20180801 (EN)

Application

EP 16794038 A 20160922

Priority

- IT UB20153795 A 20150922
- IB 2016055667 W 20160922

Abstract (en)

[origin: WO2017051348A1] A machine (11) to manufacture cartridges (3) for electronic cigarettes (2) comprising a casing (5) inside which a quantity of powdered tobacco is contained on top of which a portion (8) of filtering material is arranged; the manufacturing machine (11) is provided with a filling unit (14) for feeding a quantity of powdered tobacco inside each empty casing (5) from above; and a feeding unit (16) to insert a portion (8) of filtering material into each casing (5) from above provided with a bent panel (57) which receives rods of filtering material divided into portions (8) of desired length with a horizontal axis and releases them to a store (58) divided into a number of channels (59); wherein each of said channels (59) comprises a stack of portions (8) of filtering material arranged one on top of the other with a vertical axis; and wherein the feeding unit (16) further comprises a lower guide (64) associated with the store (58) which cooperates with an arm (66) mobile in a horizontal direction to insert a portion (8) of filtering material into each casing (5) from above.

IPC 8 full level

B65B 1/06 (2006.01); **A24F 40/42** (2020.01); **A24F 40/70** (2020.01); **B65B 1/10** (2006.01); **B65B 1/36** (2006.01); **B65B 1/38** (2006.01); **B65B 5/12** (2006.01); **B65B 9/04** (2006.01); **A24F 40/20** (2020.01)

CPC (source: EP US)

A24F 40/42 (2020.01 - EP US); **A24F 40/70** (2020.01 - EP US); **B65B 1/06** (2013.01 - EP); **B65B 1/363** (2013.01 - EP US); **A24F 40/20** (2020.01 - EP US)

Citation (search report)

See references of WO 2017051348A1

Cited by

WO2023228151A1; EP3822182B1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017051348 A1 20170330; EP 3353057 A1 20180801; EP 3353057 B1 20190731; IT UB20153795 A1 20170322; PL 3353057 T3 20191129

DOCDB simple family (application)

IB 2016055667 W 20160922; EP 16794038 A 20160922; IT UB20153795 A 20150922; PL 16794038 T 20160922