

Title (en)

A machine manufacturing filters for tobacco products

Title (de)

Maschine zur Herstellung von Filtern für Tabakprodukte

Title (fr)

Machine de fabrication de filtres pour produits à base de tabac

Publication

**EP 1917870 A2 20080507 (EN)**

Application

**EP 07119418 A 20071026**

Priority

IT BO20060749 A 20061031

Abstract (en)

A filter maker for tobacco products is equipped with a feed system (2) supplying at least one continuous stream (100) of filter tow, a duct (3) along which the filaments of the continuous stream (100) are directed and gathered into a cylindrical rope or bundle (101), a nozzle (4) at the end of the duct (3) from which the bundled filter material emerges as a continuous rod (102), and a cutter (7) by which the rod (102) is divided into filter plugs. The bundle (101) is transported along the duct (3) with the assistance of pressurized air supplied by a feed system (8) that comprises an inlet port (9) admitting a flow of compressed air, an annular passage (11) located between the inlet port (9) and the bore of the duct (3), and an equalizing stage (12) placed between the inlet (9) port and the annular passage (11), by which the flow of air directed into the duct is rendered uniform.

IPC 8 full level

**A24D 3/00** (2006.01)

CPC (source: EP)

**A24D 3/0204** (2013.01); **A24D 3/0233** (2013.01)

Citation (applicant)

- EP 0546519 A2 19930616 - MITSUBISHI RAYON CO [JP]
- EP 0594054 A2 19940427 - HOECHST CELANESE CORP [US]

Cited by

EP2982253A1; CN103783665A; ITBO20100637A1; ITBO20100693A1; ITBO20110206A1; RU2646018C2; ITBO20130314A1; EP2818061A1; DE202012003924U1; US8652020B2; WO2010108740A1; DE102014011542A1; EP3473111B1

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**EP 1917870 A2 20080507**; **EP 1917870 A3 20090311**; **EP 1917870 B1 20110126**; CN 101171977 A 20080507; CN 101171977 B 20110810; DE 602007012189 D1 20110310; IT BO20060749 A1 20070130

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