

Title (en)
A machine manufacturing filters for tobacco products

Title (de)
Maschinelle Filterherstellung für Tabakprodukte

Title (fr)
Machine de fabrication de filtres pour produits de tabac

Publication
EP 1917870 A3 20090311 (EN)

Application
EP 07119418 A 20071026

Priority
IT BO20060749 A 20061031

Abstract (en)
[origin: EP1917870A2] 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 (search report)
• [XY] EP 0594054 A2 19940427 - HOECHST CELANESE CORP [US]
• [XAY] EP 0546519 A2 19930616 - MITSUBISHI RAYON CO [JP]
• [Y] US 3050430 A 19620821 - PAUL GALLAGHER
• [Y] US 3173188 A 19650316 - WEXLER VERNON K

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

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