

Title (en)

Apparatus for manufacturing multiple component filters

Title (de)

Einrichtung zur Herstellung von Mehrfachfiltern

Title (fr)

Dispositif pour la production de filtres ? plusieurs compartiments

Publication

EP 1228709 B1 20040526 (DE)

Application

EP 01130061 A 20011218

Priority

DE 10105010 A 20010129

Abstract (en)

[origin: EP1228709A1] To produce multiple filters (118), for use in the tobacco industry, the filter sleeves with a filter unit are fed to a workstation where filter material (116) is fed into the sleeves in dosed portions from at least one side, to develop filter segments at least in the initial section of the sleeves. A rotating unit (108) rotates the filter sleeves.

IPC 1-7

A24D 3/02

IPC 8 full level

A24C 5/18 (2006.01); **A24D 3/02** (2006.01)

CPC (source: EP)

A24D 3/0225 (2013.01); **A24D 3/0287** (2013.01)

Cited by

ITUB20155067A1; CN112203538A; ITUB20154987A1; CN108135280A; CN108135279A; US2018303159A1; EP1847186A1; EP1547477A1; EP2792255A1; EP3248478A1; US10575554B2; US10856574B2; WO2016088064A1; WO2017068502A1; WO2017068506A1; WO2017068507A1; US10772351B2; US11220360B2; US7338421B2; EP2777408A1; US9574922B2; US10548344B2; US11185106B2; US11937628B2; WO2021156816A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1228709 A1 20020807; **EP 1228709 B1 20040526**; **EP 1228709 B2 20071003**; AT E267531 T1 20040615; DE 10105010 A1 20020912; DE 50102402 D1 20040701; JP 2002262850 A 20020917; PL 204228 B1 20091231

DOCDB simple family (application)

EP 01130061 A 20011218; AT 01130061 T 20011218; DE 10105010 A 20010129; DE 50102402 T 20011218; JP 2002019057 A 20020128; PL 35185102 A 20020124