

Title (en)
A machine for manufacturing composite filters

Title (de)
Maschine zur Herstellung von zusammengesetzten Filtern

Title (fr)
Machine de fabrication de filtres composites

Publication
EP 1913824 A1 20080423 (EN)

Application
EP 07118327 A 20071011

Priority
IT BO20060719 A 20061018

Abstract (en)
Filters of composite type for tipping cigarettes are manufactured on a twin track machine (1) with two garniture sections (6). Groups (4) of filter plugs (5) having different filtration properties are ordered in succession end to end and advanced lengthwise along feed directions (X1, X2) extending substantially parallel with one another and through a station (14) where each succession of groups (4) passes along a garniture tongue together with a plugwrap and is formed into a continuous rod (15). The two rods (15) proceed toward a rotary cutting head (16) by which they are divided up on a given cutting line (T) into single composite filters (2). To ensure that all the single composite filters turned out on both tracks will be identical, the axial position of each rod (15) is adjustable along the approach to the cutter head, by way of a feedback loop (19).

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A24D 3/02 (2006.01)

CPC (source: EP)
A24D 3/0287 (2013.01); **A24D 3/0295** (2013.01)

Citation (applicant)
WO 2006004111 A1 20060112 - JAPAN TOBACCO INC [JP], et al

Citation (search report)
• [X] WO 2006004111 A1 20060112 - JAPAN TOBACCO INC [JP], et al
• [A] WO 0107351 A1 20010201 - PHILIP MORRIS PROD [US]
• [A] WO 2006000918 A2 20060105 - PHILIP MORRIS PROD [CH], et al
• [A] WO 03024256 A2 20030327 - HAUNI MASCHINENBAU AG [DE], et al & EP 1767107 A1 20070328 - JAPAN TOBACCO INC [JP]

Cited by
DE102009041319A1; DE102009041320A1; DE102009041318A1; DE102009016499A1; WO2011032628A1; WO2015181694A1; EP3085253A1; DE102015106347A1; EP3158879A1; ITBO20100433A1; EP2692251A1; ITBO20090542A1; NL2005190A; US9862549B2; US8992400B2; WO2012021078A1; WO2013125966A1; EP2294934A2; EP2628399A1; US9332785B2; EP2606754B1

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