

Title (en)

A DEVICE FOR APPLYING FILTERS TO CIGARETTES

Title (de)

VORRICHTUNG ZUM ANBRINGEN VON FILTERN AN ZIGARETTEN

Title (fr)

DISPOSITIF POUR L'APPLICATION DE FILTRES SUR DES CIGARETTES

Publication

EP 1596674 B1 20060823 (EN)

Application

EP 04710948 A 20040213

Priority

- IB 2004000497 W 20040213
- IT BO20030079 A 20030220

Abstract (en)

[origin: US2006169295A1] Filter tips are applied to cigarettes by a device equipped with a conveying roller (9) on which assemblies (4) composed of two cigarettes (5) and a double length filter plug (6) placed between them are united with tipping papers (11), also with a flexible rolling conveyor (12) looped around first and second pulleys (16, 18) and combining with the roller (9) to create a concave channel (13) along which a tipping paper is rolled around the relative filter. The rolling surface of the flexible conveyor (12) is faced with metal cleats (24) ordered transversely one beside the next. To ensure that the conveyor (12) runs concentrically with the roller (9) and maintain a constant depth along the channel (13), the device is equipped with magnets (30) and guide wheels (33) positioned on the side of the flexible conveyor (12) opposite from the channel (13) in such a way that the magnets (30) will interact with the cleats (24) and with blocks (26) and screws (27) by which the cleats are clamped to the conveyor (12).

IPC 8 full level

A24C 5/47 (2006.01)

CPC (source: EP US)

A24C 5/471 (2013.01 - EP US)

Cited by

EP3315032A1; IT201600107922A1; EP3315032B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004073426 A1 20040902; AT E336912 T1 20060915; CN 1750766 A 20060322; DE 602004002095 D1 20061005; DE 602004002095 T2 20070329; EP 1596674 A1 20051123; EP 1596674 B1 20060823; IT BO20030079 A1 20040821; RU 2005124654 A 20060320; US 2006169295 A1 20060803

DOCDB simple family (application)

IB 2004000497 W 20040213; AT 04710948 T 20040213; CN 200480004229 A 20040213; DE 602004002095 T 20040213; EP 04710948 A 20040213; IT BO20030079 A 20030220; RU 2005124654 A 20040213; US 54626205 A 20050822