

Title (en)
A unit for conveying tobacco products

Title (de)
Einheit zur Beförderung von Tabakprodukten

Title (fr)
Unité pour le transport de produits du tabac

Publication
EP 1800552 A1 20070627 (EN)

Application
EP 06126672 A 20061220

Priority
IT BO20050779 A 20051222

Abstract (en)
Filter plugs or sticks are directed from a filter maker onto a pair of conveyor rollers (19, 20) counter-rotating substantially in contact one with another at a point of tangency (30) and furnished with equispaced peripheral flutes (25) by which the single sticks (11, 12) are taken up and transferred from an infeed position (26, 27) to a release position (28, 29). The flutes (25) occupying a limited sector (41) of each roller (19, 20) are connected selectively to a source of suction by an internal valve mechanism (32, 39) composed of a slide (40) positionable to set the width of the sector (41), and a selector sleeve (32) slidable axially between operating positions in which suction is generated across the sector (41) through flutes (25) spaced apart respectively at a longer pitch (P), and at a shorter pitch (p) equivalent to half of the longer pitch (P).

IPC 8 full level
A24C 5/32 (2006.01)

CPC (source: EP US)
A24C 5/327 (2013.01 - EP US)

Citation (search report)

- [X] US 4235330 A 19801125 - HEITMANN UWE [DE], et al
- [X] EP 0937415 A1 19990825 - HAUNI MASCHINENBAU AG [DE]
- [X] US 4452255 A 19840605 - BRAND PETER [DE]
- [X] EP 1397962 A1 20040317 - HAUNI MASCHINENBAU AG [DE]
- [X] EP 0674853 A2 19951004 - JAPAN TOBACCO INC [JP]
- [X] EP 0693257 A1 19960124 - JAPAN TOBACCO INC [JP]
- [A] EP 1312270 A1 20030521 - FOCKE & CO [DE]

Cited by
EP2868212A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
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EP 1800552 A1 20070627; CN 1989856 A 20070704; IT BO20050779 A1 20060323; RU 2006145802 A 20080627; US 2007144541 A1 20070628

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EP 06126672 A 20061220; CN 200610173252 A 20061221; IT BO20050779 A 20051222; RU 2006145802 A 20061221; US 64183706 A 20061220