

Title (en)

METHOD AND APPARATUS FOR PRODUCING PARTICLE BEARING FILTER ROD

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON FILTERSTÄBEN MIT PARTIKELN

Title (fr)

PROCEDE ET APPAREIL DE PRODUCTION DE TIGE-FILTRE CONTENANT DES PARTICULES

Publication

EP 1156721 A4 20090617 (EN)

Application

EP 00912132 A 20000302

Priority

- US 0005435 W 20000302
- US 12250799 P 19990302

Abstract (en)

[origin: WO0051451A1] A method and apparatus (10) for delivering predetermined amounts of particulate material and/or plasticizer (110) to a location remote from the particulate material (110), and a cigarette filter (996) and a cigarette (900) made according to the method and apparatus (10).

IPC 1-7

A24C 1/32; **A24C 5/32**; **B65B 1/08**; **B65B 1/04**; **B65B 43/42**; **B65B 1/20**; **B65B 1/28**

IPC 8 full level

A24D 3/02 (2006.01); **A24D 3/04** (2006.01)

CPC (source: EP US)

A24D 3/0212 (2013.01 - EP); **A24D 3/0225** (2013.01 - EP); **A24D 3/04** (2013.01 - EP US)

Citation (search report)

- [X] US 4285677 A 19810825 - ITO AKIRA, et al
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CN104812257A

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

Designated extension state (EPC)

AL LT LV MK RO SI

DOCDB simple family (publication)

WO 0051451 A1 20000908; AT E492171 T1 20110115; AU 3391400 A 20000921; CZ 20013075 A3 20021016; CZ 302197 B6 20101215; DE 60045411 D1 20110203; EP 1156721 A1 20011128; EP 1156721 A4 20090617; EP 1156721 B1 20101222; ES 2358010 T3 20110504; JP 2002537789 A 20021112; JP 4431284 B2 20100310; TR 200102539 T2 20020121

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US 0005435 W 20000302; AT 00912132 T 20000302; AU 3391400 A 20000302; CZ 20013075 A 20000302; DE 60045411 T 20000302; EP 00912132 A 20000302; ES 00912132 T 20000302; JP 2000601931 A 20000302; TR 200102539 T 20000302