

Title (en)

Method and apparatus for the production of a filter rod

Title (de)

Verfahren und Vorrichtung zur Herstellung eines Vlieses für die Herstellung von Filterstäben

Title (fr)

Procédé et dispositif pour la production d'une tige de filtre

Publication

**EP 1683432 A1 20060726 (DE)**

Application

**EP 06009384 A 20030808**

Priority

- EP 03018113 A 20030808
- EP 03007675 A 20030403
- EP 06009384 A 20030808

Abstract (en)

The method involves rubbing up of isolated fibers on the conveyor (32,43) to form the non-woven material (29,33,34). Separating device contains at least a separating element. The separating element rotates around a rotation axis. The rotation axis is aligned essentially parallel to the conveying direction of conveyor. An independent claim is also included for the device for production of non-woven material.

IPC 8 full level

**A24D 3/02** (2006.01)

CPC (source: EP US)

**A24D 3/0233** (2013.01 - EP US)

Citation (search report)

- [DX] GB 718332 A 19541110 - KORBER KURT, et al
- [A] GB 2145918 A 19850411 - MOLINS PLC
- [A] US 2796810 A 19570625 - ADOLF MULLER PAUL
- [A] US 3834869 A 19740910 - ANCELLE B, et al

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)

**EP 1464240 A1 20041006; EP 1464240 B1 20061004**; CN 1535628 A 20041013; CN 1535628 B 20120523; EP 1683432 A1 20060726; JP 2004337158 A 20041202; JP 4512397 B2 20100728; PL 210029 B1 20111130; PL 366815 A1 20041004; US 2004237269 A1 20041202

DOCDB simple family (application)

**EP 03018113 A 20030808**; CN 200410034246 A 20040405; EP 06009384 A 20030808; JP 2004102610 A 20040331; PL 36681504 A 20040401; US 81597904 A 20040402