

Title (en)

DEVICE FOR CLEANING A FUNCTIONAL SURFACE FOR GUIDING OR TREATING A WEB MATERIAL

Title (de)

VORRICHTUNG ZUM REINIGEN EINER FUNKTIONSOBERFLÄCHE ZUR FÜHRUNG ODER BEHANDLUNG EINER MATERIALBAHN

Title (fr)

DISPOSITIF POUR NETTOYER UNE SURFACE FONCTIONELLE DE GUIDAGE OU DE TRAITEMENT D'UNE BANDE DE MATERIAU

Publication

EP 2464256 A1 20120620 (DE)

Application

EP 10741937 A 20100805

Priority

- DE 102009037126 A 20090811
- EP 2010061400 W 20100805

Abstract (en)

[origin: CA2769794A1] The invention relates to a device for cleaning a functional surface for guiding or treating a material web, preferably a non-woven web. The device comprises a pivotably mounted roller body, a plurality of hollow cylindrical brush segments being disposed on the circumference thereof and positively connected to each other and tensioned between two adjusting rings disposed at the circumference of the roller body. According to the invention, in order to ensure secure tensioning of the brush segments regardless of the surrounding conditions, at least one of the adjusting rings is axially flexibly retained at the circumference of the roller body and a compression ring rotationally fixed to the flexible adjusting rings is axially tensioned against the roller body by means of at least one spring element, such that an axial force acting on the brush segments is generated.

IPC 8 full level

A46B 7/10 (2006.01)

CPC (source: EP US)

A46B 7/10 (2013.01 - EP US)

Citation (search report)

See references of WO 2011018406A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

DE 102009037126 A1 20110217; CA 2769794 A1 20110217; CA 2769794 C 20160607; CN 102469873 A 20120523; CN 102469873 B 20140416; DK 2464256 T3 20130805; EP 2464256 A1 20120620; EP 2464256 B1 20130501; US 2012167329 A1 20120705; WO 2011018406 A1 20110217

DOCDB simple family (application)

DE 102009037126 A 20090811; CA 2769794 A 20100805; CN 201080035514 A 20100805; DK 10741937 T 20100805; EP 10741937 A 20100805; EP 2010061400 W 20100805; US 201213369907 A 20120209