

Title (en)
Method and device of transporting a non-woven web with electrostatic charge in at least an area with a dimension smaller than the width of said web

Title (de)
Verfahren und Vorrichtung zum Transportieren einer Bahn nichtgewebten Materials mit elektrostatischer Aufladung in mindestens einer Zone mit einer Dimension die kleiner als die Breite der Bahn ist

Title (fr)
Procédé et système de transport d'une bande de non-tisse avec maintient électrostatique dans au moins une zone de dimension inférieure à la largeur de ladite bande

Publication
EP 1702874 A3 20070530 (FR)

Application
EP 06370005 A 20060306

Priority
FR 0502675 A 20050318

Abstract (en)
[origin: EP1702874A2] The method involves charging electro-statically a non-woven fabric band and a mobile transporting surface by an ionization module (4) to adhere the band on the transporting surface in a longitudinal carriage zone (ZM). Dimension of the carriage zone measured in a direction perpendicular to a transporting direction (MD) is less than width (L) of the band. The band constitutes polypropylene or polyethylene-based synthetic fibers, cotton-type natural fibers or viscose-type artificial fibers. An independent claim is also included for a system for transporting a non-woven fabric band using a transporting surface.

IPC 8 full level
B65H 20/02 (2006.01); **B65H 39/16** (2006.01)

CPC (source: EP)
B65H 20/02 (2013.01); **B65H 39/16** (2013.01); **B65H 2301/5132** (2013.01); **B65H 2301/5322** (2013.01); **B65H 2406/31** (2013.01)

Citation (search report)
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• [A] EP 1285875 A1 20030226 - SPENGLER ELECTRONIC AG [CH]
• [A] FR 2667267 A1 19920403 - MIRA SARL [FR]
• [A] GB 2077235 A 19811216 - SPENGLER WALTER
• [A] WO 9843904 A1 19981008 - ELTEX ELEKTROSTATIK GMBH [DE], et al

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DE102010004205B4; DE102010004205A1; WO2011083037A1; EP1777187B1

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)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1702874 A2 20060920; EP 1702874 A3 20070530; EP 1702874 B1 20110727; EP 1702874 B8 20120229; CN 1834324 A 20060920; CN 1834324 B 20120425; FR 2883267 A1 20060922; FR 2883267 B1 20070608

DOCDB simple family (application)
EP 06370005 A 20060306; CN 200610059692 A 20060317; FR 0502675 A 20050318