

Title (en)

METHOD AND DEVICE FOR THE PRODUCTION OF A ONE-LAYERED OR MULTILAYERED NONWOVEN FABRIC

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES EIN- ODER MEHRLAGIGEN VLIES

Title (fr)

PROCÉDÉ ET DISPOSITIF DE FABRICATION D'UN NON-TISSÉ À UNE COUCHE OU PLUSIEURS COUCHES

Publication

EP 2106468 A1 20091007 (DE)

Application

EP 07856104 A 20071213

Priority

- DE 2007002254 W 20071213
- DE 102007001765 A 20070105

Abstract (en)

[origin: WO2008080382A1] The invention relates to a method for the production of a one-layered or multilayered nonwoven fabric, a machine for the production of such a nonwoven fabric, and a correspondingly produced nonwoven fabric. The task of improving such a method and a production apparatus underlies the invention to the effect that projecting loops and fibrils no longer stick out, and thus individual filaments can be prevented from pulling out during the use of the nonwoven fabric. According to the invention, this is achieved in that the nonwoven fabric (14) is smoothed after water needling by the use of a calender (10). The machine according to the invention is characterized by the fact that the machine has a spun bonded fabric (1), at least one subsequent needling device (7.1), a dryer (9) connected thereto, and thereafter at least one calender (10).

IPC 8 full level

D04H 3/11 (2012.01); **D04H 3/14** (2012.01); **D04H 13/00** (2006.01)

CPC (source: EP US)

D04H 3/11 (2013.01 - EP US); **D04H 3/14** (2013.01 - EP US); **D04H 13/00** (2013.01 - EP US); **D04H 18/04** (2013.01 - EP US); **Y10T 442/689** (2015.04 - EP US)

Citation (search report)

See references of WO 2008080382A1

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008080382 A1 20080710; CN 101563492 A 20091021; EP 2106468 A1 20091007; US 2010015875 A1 20100121

DOCDB simple family (application)

DE 2007002254 W 20071213; CN 200780047010 A 20071213; EP 07856104 A 20071213; US 52121607 A 20071213