

Title (en)

METHOD AND APPARATUS FOR DRAWING AND DEPOSITING A PLURALITY OF FIBERS TO FORM A NON-WOVEN

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ANSAUGUNG UND ABLAGERUNG MEHRERER FASERN ZUR FORMUNG EINES VLIESTOFFS

Title (fr)

PROCÉDÉ ET APPAREIL POUR ÉTIRER ET DÉPOSER UNE PLURALITÉ DE FIBRES POUR FORMER UN NON-TISSÉ

Publication

EP 2126165 B1 20110316 (EN)

Application

EP 08707966 A 20080117

Priority

- EP 2008050519 W 20080117
- DE 102007004793 A 20070131

Abstract (en)

[origin: WO2008092749A1] The invention relates to a method and an apparatus for drawing and depositing a plurality of fibers to form a non-woven, in which method the synthetic fibers are guided by means of a drawing unit in the form of a blowing stream for being deposited on a deposit belt. When the blowing stream emerges out of the conveying channel into an open space below the drawing unit, a suction stream caused by a natural suction effect is generated, the blowing stream and the suction stream being guided jointly through a short guidance distance towards a deposit belt for depositing the fibers. In order to prevent the effect of the suction stream from influencing the guidance and deposition of the fibers, the suction stream is generated according to the invention out of the ambient air outside of an ambience influencing the deposition of the fibers. For this purpose, conducting means are provided below the drawing unit for guiding the suction stream generated out of the ambient air.

IPC 8 full level

D01D 5/088 (2006.01); **D01D 5/098** (2006.01); **D04H 3/00** (2006.01); **D04H 3/02** (2006.01); **D04H 3/16** (2006.01); **D04H 1/56** (2006.01)

CPC (source: EP)

D01D 5/0985 (2013.01); **D01D 7/00** (2013.01); **D04H 1/56** (2013.01); **D04H 3/02** (2013.01); **D04H 3/16** (2013.01)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2008092749 A1 20080807; AT E502141 T1 20110415; CN 101600821 A 20091209; CN 101600821 B 20110907; DE 602008005561 D1 20110505; EP 2126165 A1 20091202; EP 2126165 B1 20110316

DOCDB simple family (application)

EP 2008050519 W 20080117; AT 08707966 T 20080117; CN 200880003456 A 20080117; DE 602008005561 T 20080117; EP 08707966 A 20080117