

Title (en)

METHOD AND DEVICE FOR MELT-BLOWING, FORMING AND PLAINTING FINITE FIBRES TO PRODUCE A FIBROUS NONWOVEN

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SCHMELZBLASEN, FORMIEREN UND ABLEGEN ENDLICHER FASERN ZU EINEM FASERVLIES

Title (fr)

PROCÉDÉ ET DISPOSITIF DE FUSION-SOUFFLAGE, DE FORMATION ET DE DÉPÔT DE FIBRES FINIES POUR OBTENIR UN NON-TISSÉ

Publication

EP 2841634 A1 20150304 (DE)

Application

EP 13718534 A 20130415

Priority

- DE 102012008625 A 20120427
- EP 2013057777 W 20130415

Abstract (en)

[origin: WO2013160134A1] The invention relates to a method and a device for melt-blowing, forming and plaiting finite fibres to produce a fibrous nonwoven. Here, the fibre streams which are produced by a melt-blowing die and a hot air flow are blown into a forming gap of a forming element, wherein the fibres are joined together within the forming gap to produce a fibre composite. In order to influence the filling and the forming of the fibres within the forming gap directly below the melt-blowing die, according to the invention the fibres are freely guided substantially vertically from the melt-blowing die as far as the forming gap via an adjustable blowing section, wherein the adjustability of the blowing section lies in the range from 100 mm to 2000 mm. In this way, both very fine fibres and coarse fibres can advantageously be formed to produce a loose fibre composite.

IPC 8 full level

D01D 5/098 (2006.01); **D04H 1/56** (2006.01); **D04H 1/70** (2012.01)

CPC (source: EP)

D01D 5/0985 (2013.01); **D04H 1/56** (2013.01); **D04H 1/70** (2013.01)

Citation (search report)

See references of WO 2013160134A1

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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2013160134 A1 20131031; CN 104246045 A 20141224; CN 104246045 B 20161102; EP 2841634 A1 20150304; EP 2841634 B1 20180606

DOCDB simple family (application)

EP 2013057777 W 20130415; CN 201380021780 A 20130415; EP 13718534 A 20130415