

Title (en)

METHOD FOR MANUFACTURING AND DEVICE FOR MANUFACTURING ULTRAFINE FIBER NONWOVEN FABRIC

Title (de)

VERFAHREN ZUR HERSTELLUNG UND VORRICHTUNG ZUR HERSTELLUNG VON ULTRAFEINEN FASERVLIESTOFFEN

Title (fr)

PROCÉDÉ DE FABRICATION ET DISPOSITIF DE FABRICATION DE NONTISSÉ EN FIBRES ULTRAFINES

Publication

EP 3327181 A4 20190220 (EN)

Application

EP 16827669 A 20160712

Priority

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- JP 2016070580 W 20160712

Abstract (en)

[origin: EP3327181A1] An object to be solved by the present invention is in that a spinning die 1 for producing ultrafine fiber nonwoven fabric is made miniaturized and its productivity thereof is enhanced. The spinning die 1 has a substantial cuboid shape and a plurality of nozzle holes 2 is disposed in a longitudinal direction. And a slit for jetting hot air is disposed only in one side of the nozzle holes 2. Thermoplastic polymer is melt blown from the nozzle 2 of the spinning die 1 to obtain ultrafine fibers. Hot air is jetted from the slit 4 disposed at only one side of the nozzle holes 2. The result is that the ultrafine fibers melt blown in a direction inclined with respect to an axis direction of the nozzle. The blown ultrafine fibers are accumulated by sucking to downward to obtain ultrafine fiber nonwoven fabric.

IPC 8 full level

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CPC (source: EP US)

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- [XII] EP 2327817 A1 20110601 - JAPAN VILENE CO LTD [JP]
- See references of WO 2017014109A1

Designated contracting state (EPC)

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