

Title (en)  
DEVICE AND METHOD FOR THE MANUFACTURE OF WOVEN MATERIAL FROM CONTINUOUS FILAMENTS

Title (de)  
VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG VON SPINNVLIESSEN AUS ENDLOSFILAMENTEN

Title (fr)  
PROCÉDÉ ET DISPOSITIF DESTINÉS À LA FABRICATION DE TISSUS NON-TISSÉS À PARTIR DE FILAMENTS CONTINUS

Publication  
**EP 3575469 B1 20200805 (DE)**

Application  
**EP 18174519 A 20180528**

Priority  
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Abstract (en)  
[origin: CA3041006A1] An apparatus for making spunbonded nonwovens from continuous filaments comprising a spinneret for emitting the continuous filaments and a cooling chamber for cooling the spun filaments with cooling air. Two manifolds are provided on opposite sides of the cooling chamber from which cooling air can be introduced into the cooling chamber. A respective conduit for feeding cooling air to each manifold has a cross-sectional area that increases to the cross-sectional area of the respective manifold and the cross-sectional area of each manifold is at least twice as large as that of the respective conduit. At least one flow straightener is provided in each manifold and spaced therefrom is a planar homogenizing element for homogenizing the cooling air flow introduced into the manifold. The planar homogenizing element has a plurality of openings, and the free open surface area of the planar homogenizing element being 1 to 40% of the total surface area of the planar homogenizing element.

IPC 8 full level  
**D04H 3/16** (2006.01); **D01D 5/088** (2006.01); **D01D 5/092** (2006.01); **D01D 5/098** (2006.01)

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**D01D 5/088** (2013.01 - EP IL KR RU); **D01D 5/092** (2013.01 - CN EP IL); **D01D 5/0985** (2013.01 - EP IL RU); **D01D 13/02** (2013.01 - CN IL); **D01F 8/04** (2013.01 - IL RU); **D04H 1/736** (2013.01 - IL US); **D04H 1/76** (2013.01 - IL US); **D04H 3/005** (2013.01 - CN IL); **D04H 3/033** (2013.01 - BR IL); **D04H 3/077** (2013.01 - IL US); **D04H 3/11** (2013.01 - BR IL); **D04H 3/16** (2013.01 - BR EP IL KR)

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