

Title (en)
ACOUSTICALLY EFFECTIVE NONWOVEN MATERIAL FOR VEHICLE LINERS

Title (de)
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Title (fr)
MATERIAU NON-TISSE A EFFET ACOUSTIQUE, DESTINE A DES ELEMENTS DE GARNITURE POUR VEHICULES

Publication
EP 1611275 A1 20060104 (EN)

Application
EP 04724239 A 20040330

Priority
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Abstract (en)
[origin: WO2004088025A1] An acoustically effective nonwoven for linings of motor vehicles comprises a porous fibrous skeleton made of coarse fibers (8). These coarse fibers (8) comprise in particular staple fibers or spun-bonded fibers. A continuously changing weight quota of melted-on microfibrinous material (7) is foreseen in a front and/or rear surface region (4). This melted-on microfibrinous material (7) clings to the coarse fibers (8) and bonds these in such a manner that the nonwoven has a predetermined airflow resistance and is stiffened at least in its surface region (4). The airflow resistance in the surface region (4) has a value of between 200 - 60000 Nsm<-3>, in particular between 800 - 35000 Nsm<-3>, preferably between 1000 - 20000 Nsm<-3>, and mainly about 1400 Nsm<-3>. The bending stiffness of this fibrous nonwoven has a value of between 0.005 and 10 Nm, and in particular a value of between 0.25 and 6.0 Nm.

IPC 1-7
D04H 13/00; B60R 13/08; B32B 5/26; E04B 1/82; G10K 11/162

IPC 8 full level
D04H 1/42 (2012.01); **D04H 1/4291** (2012.01); **D04H 1/4334** (2012.01); **D04H 1/435** (2012.01); **D04H 3/007** (2012.01); **D04H 3/011** (2012.01); **D04H 5/02** (2012.01); **D04H 5/03** (2012.01); **D04H 5/06** (2006.01); **B29C 43/00** (2006.01); **B60R 13/08** (2006.01)

CPC (source: EP KR US)
B29C 43/003 (2013.01 - KR); **B32B 5/26** (2013.01 - KR); **B60R 13/08** (2013.01 - KR); **D04H 1/4291** (2013.01 - EP KR US); **D04H 1/4334** (2013.01 - EP KR US); **D04H 1/435** (2013.01 - EP KR US); **D04H 1/43838** (2020.05 - EP KR US); **D04H 3/007** (2013.01 - EP KR US); **D04H 3/011** (2013.01 - EP KR US); **D04H 5/02** (2013.01 - EP US); **D04H 5/03** (2013.01 - EP KR US); **D04H 5/06** (2013.01 - EP KR US); **D04H 13/00** (2013.01 - KR); **B29C 43/003** (2013.01 - EP US); **B29K 2105/06** (2013.01 - EP KR US); **B60R 13/08** (2013.01 - EP US); **Y10T 442/60** (2015.04 - EP US); **Y10T 442/614** (2015.04 - EP US); **Y10T 442/68** (2015.04 - EP US); **Y10T 442/681** (2015.04 - EP US)

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