

Title (en)  
NON-WOVEN VELOUR FABRIC AND ITS APPLICATION

Title (de)  
VELOURNADELVLIESSTOFF UND SEINE VERWENDUNG

Title (fr)  
ETTOFFE NAPPÉE DE VELOURS ET SON UTILISATION

Publication  
**EP 2050850 B1 20090610 (DE)**

Application  
**EP 07018532 A 20070920**

Priority  
EP 07018532 A 20070920

Abstract (en)  
[origin: EP2050850A1] The non-woven fabric used, is a spun-bonded fleece. This is optionally pre-bonded. It contains multi-component filaments, including at least one high-melting component and at least one low-melting component. The latter can be thermally-activated. Bi-component filaments are used, in a proportion preferably exceeding 15%, based on the total fabric weight. The filament structure is core/casing, side-by-side, island-in-the-sea and/or pie (or hollow pie). The low melting component is CoPET, CoPA, PA, PP, CoPP, atactic PP and/or PE. The high-melting component is PET, PLA, PBT, PA and/or PP. The spun fleece contains up to 75 wt% of staple fibers. The fibers and/or filaments are crimped. At least one layer forming a velour surface is included; this is made from needled fleece as described. A heavy backing layer is included on the rear of the velour surface, optionally with a sound-damping layer. One or more bonding layers are included between the other layers. These include fibers or filaments of low- and high-melting polymer as described. The filaments and/or fibers of all layers are made from the same polymer and/or its derivatives.

IPC 8 full level  
**D04H 1/46** (2012.01); **D04H 3/105** (2012.01); **D04H 3/14** (2012.01); **D04H 3/147** (2012.01); **D04H 5/02** (2012.01); **D04H 11/08** (2006.01)

CPC (source: EP US)  
**D04H 1/46** (2013.01 - EP); **D04H 3/105** (2013.01 - EP); **D04H 3/14** (2013.01 - EP); **D04H 3/147** (2013.01 - EP); **D04H 5/02** (2013.01 - EP); **D04H 11/08** (2013.01 - EP US); **Y10T 74/19149** (2015.01 - EP US)

Cited by  
CN102717559A; US11441251B2; US9902128B2; US11168418B2; WO2020148150A1; US10590577B2

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