

Title (en)

Multilayer textile composite made from fibre fleeces having different characteristics

Title (de)

Mehrschichtiges, textiles Komposit aus verschiedene Eigenschaften aufweisenden Faservliesen

Title (fr)

Complexe textile multicouches à base de nappes fibreuses ayant des caractéristiques différentes

Publication

**EP 0315553 B2 20010411 (FR)**

Application

**EP 88420363 A 19881025**

Priority

FR 8715461 A 19871103

Abstract (en)

[origin: EP0315553A1] Multilayer textile composite based on fibre sheets (1,2) of different characteristics, the said sheets being bonded together by entangling of the fibres of one of the sheets (1) through the second (2). <??>It is characterised in that: - one of the sheets (1) forming part of its composition is based on nonbrittle, flexible synthetic fibres such as polyester, polyamide or polypropylene fibres; - the other sheet (2) is based on relatively stiff and brittle inorganic fibres (such as glass, asbestos, etc.); - a minor proportion (3) of the synthetic fibres is implanted in the thickness of the sheet (2) based on inorganic fibres, this being done without projecting at the surface of the latter sheet. <IMAGE>

IPC 1-7

**D04H 5/02**; **D06N 5/00**

IPC 8 full level

**D04H 1/4218** (2012.01); **D04H 1/435** (2012.01); **D04H 1/4374** (2012.01); **D04H 1/498** (2012.01); **D04H 5/02** (2012.01); **D06N 5/00** (2006.01)

CPC (source: EP US)

**D04H 1/4218** (2013.01 - EP US); **D04H 1/435** (2013.01 - EP US); **D04H 1/4374** (2013.01 - EP US); **D04H 1/498** (2013.01 - EP US); **D04H 5/02** (2013.01 - EP US); **D04H 5/03** (2013.01 - EP US); **D04H 13/00** (2013.01 - EP US); **D06N 5/00** (2013.01 - EP US); **Y10T 428/24099** (2015.01 - EP US); **Y10T 428/249953** (2015.04 - EP US); **Y10T 442/159** (2015.04 - EP US); **Y10T 442/59** (2015.04 - EP US); **Y10T 442/647** (2015.04 - EP US)

Cited by

FR2796974A1; NL1003689C2; EP0572891A1; FR2761381A1; EP0403403A1; FR2648482A1; DE19955730A1; DE19955730C2; EP0465382A1; FR2663960A1; ITMI20131114A1; RU2658275C2; EP1685952A1; FR2881443A1; EP0667427A1; FR2715957A1; US5616395A; US6235657B1; WO9842905A1; WO9015181A1; WO0109429A1; US10526735B2; WO2015000975A1; US7887660B2; US8043696B2; US8685514B2; US9227346B2

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