

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

Designated contracting state (EPC)
BE DE ES GB IT

DOCDB simple family (publication)
EP 0315553 A1 19890510; EP 0315553 B1 19910424; EP 0315553 B2 20010411; DE 3862568 D1 19910529; ES 2021871 B3 19911116; ES 2021871 T5 20010701; FR 2622604 A1 19890505; FR 2622604 B1 19900119; US 5047276 A 19910910

DOCDB simple family (application)
EP 88420363 A 19881025; DE 3862568 T 19881025; ES 88420363 T 19881025; FR 8715461 A 19871103; US 25969888 A 19881019