

Title (en)
USE OF A NON-WOVEN MICRO-FILAMENT FABRIC FOR SPORTS APPAREL WITH UV PROTECTION

Title (de)
VERWENDUNG EINES MIKROFILAMENT-VLIESSTOFFES ALS SPORTBEKLEIDUNG MIT UV-SCHUTZ

Title (fr)
UTILISATION D'UN NON-TISSE EN MICRO-FILAMENTS COMME VETEMENT DE SPORT AVEC PROTECTION UV

Publication
EP 1251755 B1 20040721 (DE)

Application
EP 00988720 A 20001117

Priority
• DE 19962361 A 19991223
• EP 0011463 W 20001117

Abstract (en)
[origin: WO0148278A2] The invention relates to sports apparel consisting of a microfilament nonwoven fabric having a weight of 40 to 180 g/m² and a water vapour permeability index of $imt > 0.3$. The nonwoven fabric consists of melt-spun, drafted endless filaments that consist of several components and are directly placed to form a nonwoven, whereby the titre amounts to 1.5 to 5 dtex. After optional pre-bonding, at least 80 % of the endless filaments that consist of several components are split to form micro-endless filaments having a titre of 0.1 to 0.8 dtex and are bonded.

IPC 1-7
A41D 13/00; **A41D 31/00**; **D04H 3/16**; **D04H 3/10**

IPC 8 full level
A41D 13/00 (2006.01); **A41D 31/00** (2006.01); **D04H 3/009** (2012.01); **D04H 3/011** (2012.01); **D04H 3/016** (2012.01); **D04H 3/11** (2012.01); **D04H 3/16** (2006.01)

CPC (source: EP US)
A41D 31/00 (2013.01 - EP); **A41D 31/12** (2019.01 - EP US); **A41D 31/14** (2019.01 - EP US); **D04H 3/009** (2013.01 - EP); **D04H 3/011** (2013.01 - EP); **D04H 3/016** (2013.01 - EP US); **D04H 3/11** (2013.01 - EP); **D04H 3/16** (2013.01 - EP)

Cited by
AU2013220719B2; WO2013120599A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
WO 0148278 A2 20010705; **WO 0148278 A3 20011227**; AU 2506701 A 20010709; CN 1211033 C 20050720; CN 1413088 A 20030423; DE 19962361 A1 20010712; DE 50007160 D1 20040826; EP 1251755 A2 20021030; EP 1251755 B1 20040721; ES 2222265 T3 20050201

DOCDB simple family (application)
EP 0011463 W 20001117; AU 2506701 A 20001117; CN 00817535 A 20001117; DE 19962361 A 19991223; DE 50007160 T 20001117; EP 00988720 A 20001117; ES 00988720 T 20001117