

Title (en)
COOLING FABRIC CONTAINING HYDROPHOBIC PEBA

Title (de)
KÜHLENDER STOFF MIT WASSERABWEISENDEM PEBA

Title (fr)
TEXTILE RAFRAÎCHISSANT À BASE DE PEBA HYDROPHOBE

Publication
EP 2571924 A1 20130327 (FR)

Application
EP 11728308 A 20110520

Priority
• FR 1053983 A 20100521
• FR 2011000305 W 20110520

Abstract (en)
[origin: WO2011144829A1] The invention relates to the use of a hydrophobic polyether-block-amide (PEBA) copolymer for the production of a fabric material that is cooled following contact with an aqueous medium having a temperature of between 15°C and Tf- 20°C, Tf being the melting temperature of the fabric material and said aqueous medium comprising at least 85 wt.-% water in relation to the weight of the aqueous medium. According to the invention, the aforementioned PEBA comprises between 20 and 80 wt.-% polyamide blocks and between 80 and 20 wt.-% polyether blocks and has a water absorption at saturation of less than 6 wt.-% (according to ISO 62) in relation to the weight of PEBA. The invention relates to a cooling fabric comprising one such PEBA and to the use of this fabric in medicine, hygiene, luggage, clothing, household equipment, furnishings, carpets, motor vehicles, and industry, in particular industrial filtration, agriculture and/or construction.

IPC 8 full level
C08G 69/40 (2006.01); **C08G 81/02** (2006.01); **D01F 6/80** (2006.01); **D03D 1/00** (2006.01); **D03D 15/00** (2006.01)

CPC (source: EP US)
C08G 69/40 (2013.01 - EP US); **C08L 71/02** (2013.01 - EP US); **C08L 77/06** (2013.01 - EP US); **D01F 6/82** (2013.01 - EP US); **D02G 3/02** (2013.01 - US); **D04H 3/009** (2013.01 - US); **C08G 2261/126** (2013.01 - EP US); **Y10T 428/249921** (2015.04 - EP US); **Y10T 442/30** (2015.04 - EP US); **Y10T 442/40** (2015.04 - EP US); **Y10T 442/56** (2015.04 - EP US); **Y10T 442/60** (2015.04 - EP US)

C-Set (source: EP US)
1. **C08L 77/06 + C08L 67/00**
2. **C08L 71/02 + C08L 77/00**

Citation (search report)
See references of WO 2011144829A1

Citation (examination)
• EP 1873282 A1 20080102 - GUNZE KK [JP]
• FR 2909675 A1 20080613 - ARKEMA FRANCE [FR]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2011144829 A1 20111124; EP 2571924 A1 20130327; FR 2960240 A1 20111125; FR 2960240 B1 20120803; JP 2013528253 A 20130708; JP 2016172946 A 20160929; TW 201207175 A 20120216; TW I529271 B 20160411; US 2013133856 A1 20130530

DOCDB simple family (application)
FR 2011000305 W 20110520; EP 11728308 A 20110520; FR 1053983 A 20100521; JP 2013510651 A 20110520; JP 2016065624 A 20160329; TW 100117952 A 20110523; US 201113699264 A 20110520