

Title (en)

MATERIAL COMPRISING A NONWOVEN LAYER OF FIBERS

Title (de)

MATERIAL MIT EINER VLIESSCHICHT AUS FASERN

Title (fr)

MATÉRIAU COMPRENANT UNE COUCHE NON TISSÉE DE FIBRES

Publication

**EP 4407084 A1 20240731 (EN)**

Application

**EP 23153143 A 20230124**

Priority

EP 23153143 A 20230124

Abstract (en)

A material is provided comprising a nonwoven layer of fibers wherein the nonwoven layer of fibers comprises fibers comprising 90 to 98.7 wt.% of a recycled polyester, 1 to 5 wt.% of a polyolefin and a 0.3 to 5 wt.% of a compatibilizer based on the total weight of the recycled polyester, the polyolefin and the compatibilizer.

IPC 8 full level

**D04H 1/4274** (2012.01); **D01F 1/10** (2006.01); **D01F 6/92** (2006.01); **D04H 1/4291** (2012.01); **D04H 1/435** (2012.01); **D04H 3/007** (2012.01); **D04H 3/011** (2012.01); **D06N 5/00** (2006.01)

CPC (source: EP US)

**D01F 1/10** (2013.01 - EP); **D01F 6/92** (2013.01 - EP); **D04H 1/4274** (2013.01 - EP); **D04H 1/4291** (2013.01 - EP); **D04H 1/435** (2013.01 - EP); **D04H 3/007** (2013.01 - EP US); **D04H 3/011** (2013.01 - EP US); **D04H 3/16** (2013.01 - US); **D06N 5/003** (2013.01 - EP); **D10B 2321/021** (2013.01 - US); **D10B 2331/04** (2013.01 - US)

Citation (search report)

- [A] EP 2455523 A1 20120523 - POLITEX S A S DI FREUDENBERG POLITEX S R L [IT]
- [A] WO 2015006566 A1 20150115 - INTERFACE INC [US]
- [A] WO 2005010263 A1 20050203 - DU PONT [US], et al

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4407084 A1 20240731**; CN 118390244 A 20240726; US 2024247416 A1 20240725

DOCDB simple family (application)

**EP 23153143 A 20230124**; CN 202410091339 A 20240123; US 202418419585 A 20240123