

Title (en)

MOISTURE ABSORBENT CORE SHEATH COMPOSITE YARN

Title (de)

FEUCHTIGKEITSABSORBIERENDES KERN-HÜLLE-VERBUNDGARN

Title (fr)

FIL COMPOSITE DE GAINE D'ÂME ABSORBANT L'HUMIDITÉ

Publication

EP 3235932 A1 20171025 (EN)

Application

EP 15869922 A 20151214

Priority

- JP 2014256315 A 20141218
- JP 2015005878 A 20150115
- JP 2015088675 A 20150423
- JP 2015084892 W 20151214

Abstract (en)

A moisture absorbent core sheath composite yarn having a sheath portion polymer that is a polyamide and a core portion that is a thermoplastic polymer, and having a moisture absorbance/desorbance (#MR) of 5.0%, wherein the #MR maintenance rate after 20 washes is 90%-100%. A core sheath composite fiber having high moisture absorbance, being more comfortable than natural fibers, and having wash resistance with moisture absorbance that stands up to real use and color fastness is provided.

IPC 8 full level

D01F 8/12 (2006.01); **D03D 15/00** (2006.01)

CPC (source: EP KR US)

D01D 5/34 (2013.01 - KR); **D01F 1/02** (2013.01 - KR); **D01F 8/12** (2013.01 - EP KR US); **D02G 3/045** (2013.01 - US); **D02G 3/44** (2013.01 - US); **D03D 15/25** (2021.01 - KR); **D03D 15/283** (2021.01 - KR); **D03D 15/46** (2021.01 - US); **D03D 15/47** (2021.01 - KR); **D03D 15/50** (2021.01 - KR); **D01F 1/10** (2013.01 - EP US); **D10B 2401/06** (2013.01 - KR); **D10B 2401/14** (2013.01 - KR)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3235932 A1 20171025; **EP 3235932 A4 20180627**; **EP 3235932 B1 20210224**; AU 2015364882 A1 20170622; CA 2970766 A1 20160623; CN 107002304 A 20170801; ES 2867529 T3 20211020; KR 20170095806 A 20170823; TW 201634770 A 20161001; TW I668342 B 20190811; US 2017342606 A1 20171130; WO 2016098717 A1 20160623

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EP 15869922 A 20151214; AU 2015364882 A 20151214; CA 2970766 A 20151214; CN 201580060733 A 20151214; ES 15869922 T 20151214; JP 2015084892 W 20151214; KR 20177010017 A 20151214; TW 104142490 A 20151217; US 201515534266 A 20151214