

Title (en)

HYGROSCOPIC CORE-SHEATH CONJUGATE YARN AND PRODUCTION METHOD THEREFOR

Title (de)

HYGROSKOPISCHES KERN-MANTEL-KONJUGAT-GARN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

FIL CONJUGUÉ ÂME-GAINE HYGROSCOPIQUE ET PROCÉDÉ DE PRODUCTION DE CELUI-CI

Publication

**EP 3299500 A4 20181226 (EN)**

Application

**EP 16799810 A 20160511**

Priority

- JP 2015104543 A 20150522
- JP 2016063971 W 20160511

Abstract (en)

[origin: EP3299500A1] A hygroscopic core-sheath composite fiber which includes: a polyetheresteramide copolymer as a core polymer; and a polyamide as a sheath polymer, and which has a degree of shrinkage with boiling water of 6-11%. Provided is a core-sheath composite fiber which has high hygroscopicity and laundering durability of the hygroscopicity which makes the fiber withstand practical use, and which is capable of attaining a soft feeling.

IPC 8 full level

**D01F 8/12** (2006.01); **D01D 5/34** (2006.01); **D01F 8/14** (2006.01); **D02G 1/02** (2006.01); **D03D 15/00** (2006.01)

CPC (source: EP KR US)

**D01D 5/34** (2013.01 - EP KR US); **D01D 7/00** (2013.01 - KR); **D01F 8/12** (2013.01 - EP KR US); **D01F 8/14** (2013.01 - EP US); **D02G 1/02** (2013.01 - KR); **D02G 1/0286** (2013.01 - EP US); **D03D 15/283** (2021.01 - KR); **D03D 15/47** (2021.01 - KR); **D10B 2331/02** (2013.01 - US); **D10B 2331/06** (2013.01 - US); **D10B 2401/00** (2013.01 - KR); **D10B 2401/02** (2013.01 - US)

Citation (search report)

- [XY] JP H1018136 A 19980120 - TORAY INDUSTRIES
- [I] JP 2007321295 A 20071213 - TEIJIN LTD, et al
- [Y] US 2013280513 A1 20131024 - ITOU KENJI [JP], et al
- See references of WO 2016190102A1

Cited by

EP3235932A4

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)

**EP 3299500 A1 20180328; EP 3299500 A4 20181226; EP 3299500 B1 20201021**; AU 2016266265 A1 20171207; AU 2016266265 B2 20200130; CA 2986887 A1 20161201; CN 107614765 A 20180119; CN 107614765 B 20200403; HK 1246374 A1 20180907; JP 6090546 B1 20170308; JP WO2016190102 A1 20170615; KR 102465144 B1 20221110; KR 20180010185 A 20180130; TW 201704571 A 20170201; TW I693311 B 20200511; US 2018148863 A1 20180531; WO 2016190102 A1 20161201

DOCDB simple family (application)

**EP 16799810 A 20160511**; AU 2016266265 A 20160511; CA 2986887 A 20160511; CN 201680029380 A 20160511; HK 18105943 A 20180508; JP 2016063971 W 20160511; JP 2016556911 A 20160511; KR 20177033113 A 20160511; TW 105115491 A 20160519; US 201615575934 A 20160511