

Title (en)
MOISTURE-ABSORBING CORE-SHEATH COMPOSITE YARN, AND FABRIC

Title (de)
FEUCHTIGKEITSABSORBIERENDES KERN-HÜLLE- VERBUNDGARN UND GEWEBE

Title (fr)
FIL COMPOSITE ÂME-GAINE ABSORBANT L'HUMIDITÉ

Publication
EP 3388562 A1 20181017 (EN)

Application
EP 16872761 A 20161114

Priority
• JP 2015239504 A 20151208
• JP 2016083644 W 20161114

Abstract (en)
A moisture-absorbing core-sheath composite yarn is provided in which the sheath polymer is a polyamide, the core polymer is a polyetheresteramide copolymer, and the strength retention after a 150°C 1-hour dry heat treatment is 50% or higher. The core-sheath composite yarn has high moisture-absorbing performance, is more comfortable than natural fibers, and can retain the soft texture, durability, and moisture-absorbing/releasing performance even when laundered and dried repeatedly.

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

CPC (source: EP KR US)
D01D 5/098 (2013.01 - US); **D01D 5/34** (2013.01 - KR US); **D01F 8/12** (2013.01 - EP KR US); **D01F 8/16** (2013.01 - US); **D02G 3/02** (2013.01 - EP US); **D02G 3/045** (2013.01 - US); **D03D 15/283** (2021.01 - KR); **D03D 15/47** (2021.01 - EP KR US); **D03D 15/513** (2021.01 - KR); **D04B 1/16** (2013.01 - US); **D10B 2331/02** (2013.01 - EP US); **D10B 2331/06** (2013.01 - EP US); **D10B 2401/02** (2013.01 - US); **D10B 2401/022** (2013.01 - EP US); **D10B 2401/04** (2013.01 - KR); **D10B 2401/06** (2013.01 - KR)

Cited by
EP3699331A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3388562 A1 20181017; **EP 3388562 A4 20190918**; **EP 3388562 B1 20201223**; AU 2016366016 A1 20180614; CA 3006539 A1 20170615; CN 108350608 A 20180731; CN 108350608 B 20210108; JP WO2017098861 A1 20180927; KR 102588119 B1 20231012; KR 20180090247 A 20180810; TW 201726987 A 20170801; TW I702319 B 20200821; US 2018363169 A1 20181220; WO 2017098861 A1 20170615

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