

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)  
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**EP 16872761 A 20161114**; AU 2016366016 A 20161114; CA 3006539 A 20161114; CN 201680063861 A 20161114; JP 2016083644 W 20161114; JP 2017501742 A 20161114; KR 20187008646 A 20161114; TW 105139451 A 20161130; US 201615781519 A 20161114