

Title (en)

POLYAMIDE MULTIFILAMENT, AND LACE KNIT AND STOCKINGS USING SAME

Title (de)

POLYAMID-MULTIFILAMENT SOWIE SPITZENMASCHENWARE UND STRÜMPFE DAMIT

Title (fr)

MULTI-FILAMENT EN POLYAMIDE, ET TRICOT EN DENTELLE ET BAS L'UTILISANT

Publication

**EP 3492636 A4 20191218 (EN)**

Application

**EP 17834019 A 20170711**

Priority

- JP 2016146049 A 20160726
- JP 2017025223 W 20170711

Abstract (en)

[origin: EP3492636A1] Provided is a polyamide multifilament characterized by having a tensile strength at 15% elongation of 4.0 to 6.0 cN/dtex, a strength-elongation product of 10.0 or more, and a yarn unevenness (U%) of 1.2 or less. The present invention provides a high-strength polyamide multifilament with which it is possible to obtain stockings having high softness, durability, and transparency, and a lace knit in which patterns have a beautiful appearance.

IPC 8 full level

**D01F 6/60** (2006.01); **A41B 11/14** (2006.01); **D02G 3/38** (2006.01); **D02G 3/44** (2006.01); **D04B 21/12** (2006.01)

CPC (source: EP KR US)

**A41B 11/14** (2013.01 - EP KR US); **D01F 6/60** (2013.01 - EP KR US); **D02G 3/02** (2013.01 - US); **D02G 3/38** (2013.01 - EP KR US); **D02G 3/44** (2013.01 - EP KR US); **D04B 21/12** (2013.01 - EP KR US); **D04B 21/207** (2013.01 - US); **D10B 2331/02** (2013.01 - EP US); **D10B 2501/021** (2013.01 - US)

Citation (search report)

- [XA] WO 2016076184 A1 20160519 - TORAY INDUSTRIES [JP]
- [A] JP 2002088514 A 20020327 - TORAY INDUSTRIES
- [A] JP H11279884 A 19991012 - TORAY INDUSTRIES
- See references of WO 2018021011A1

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 3492636 A1 20190605; EP 3492636 A4 20191218; EP 3492636 B1 20230510**; CN 109477250 A 20190315; CN 109477250 B 20210831; IL 264428 A 20190228; JP 6687035 B2 20200422; JP WO2018021011 A1 20190509; KR 102363120 B1 20220215; KR 20190032373 A 20190327; RU 2019101900 A 20200826; RU 2019101900 A3 20200826; TW 201809385 A 20180316; TW I745408 B 20211111; US 2019174837 A1 20190613; WO 2018021011 A1 20180201

DOCDB simple family (application)

**EP 17834019 A 20170711**; CN 201780046231 A 20170711; IL 26442819 A 20190123; JP 2017025223 W 20170711; JP 2017550778 A 20170711; KR 20197001908 A 20170711; RU 2019101900 A 20170711; TW 106124745 A 20170724; US 201716320998 A 20170711