

Title (en)

POLYAMIDE MULTIFILAMENT AND KNITTED LACE MANUFACTURED USING SAME

Title (de)

POLYAMIDMULTIFILAMENT UND DAMIT HERGESTELLTE STRICKSPITZE

Title (fr)

MULTIFILAMENT DE POLYAMIDE ET DENTELLE TRICOTÉE FABRIQUÉE À L'AIDE DE CELUI-CI

Publication

**EP 3744876 A4 20211020 (EN)**

Application

**EP 19743570 A 20190122**

Priority

- JP 2018010324 A 20180125
- JP 2019001894 W 20190122

Abstract (en)

[origin: EP3744876A1] One embodiment of the present invention provides a high-strength polyamide multifilament capable of being formed into a knitted lace which has excellent durability, on which a pattern can look really sharp, and which has excellent softness. One embodiment of the present invention relates to a polyamide multifilament characterized by having a single yarn fineness of 0.8 to 7 dtex, strength of 7.5 to 8.5 cN/dtex and knot strength of 6.0 to 7.5 cN/dtex.

IPC 8 full level

**D01F 6/60** (2006.01); **D01D 5/088** (2006.01); **D01D 5/098** (2006.01); **D01D 10/02** (2006.01); **D02G 1/02** (2006.01); **D02J 1/08** (2006.01); **D02J 1/22** (2006.01); **D04B 21/12** (2006.01)

CPC (source: EP KR US)

**D01D 5/084** (2013.01 - KR US); **D01D 5/088** (2013.01 - EP KR US); **D01D 5/098** (2013.01 - EP KR); **D01D 10/02** (2013.01 - EP KR); **D01F 6/60** (2013.01 - EP KR US); **D02G 1/0266** (2013.01 - EP); **D02J 1/08** (2013.01 - EP); **D02J 1/22** (2013.01 - EP); **D02J 1/225** (2013.01 - KR); **D02J 1/228** (2013.01 - KR); **D04B 21/12** (2013.01 - EP US); **D04B 21/16** (2013.01 - KR); **D04H 1/5412** (2020.05 - EP); **D10B 2331/02** (2013.01 - EP)

Citation (search report)

- [ID] JP 2004011082 A 20040115 - UNITIKA FIBERS LTD
- [A] JP 2008031572 A 20080214 - TORAY INDUSTRIES
- See also references of WO 2019146600A1

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 3744876 A1 20201202**; **EP 3744876 A4 20211020**; CN 111630216 A 20200904; CN 111630216 B 20221118; JP 6879362 B2 20210602; JP WO2019146600 A1 20201119; KR 102593079 B1 20231024; KR 20200106904 A 20200915; TW 201937019 A 20190916; TW I760592 B 20220411; US 2021040650 A1 20210211; WO 2019146600 A1 20190801

DOCDB simple family (application)

**EP 19743570 A 20190122**; CN 201980009348 A 20190122; JP 2019001894 W 20190122; JP 2019512837 A 20190122; KR 20207020828 A 20190122; TW 108102935 A 20190125; US 201916964335 A 20190122