

Title (en)

HIGH TENACITY OR HIGH LOAD BEARING NYLON FIBERS AND YARNS AND FABRICS THEREOF

Title (de)

NYLONFASERN MIT HOHER FESTIGKEIT ODER HOCH BELASTBARKEIT SOWIE GARNE UND GEWEBE DARAUS

Title (fr)

FIBRES DE NYLON À HAUTE CAPACITÉ DE CHARGE OU HAUTE TÉNACITÉ ET FILS ET TISSUS COMPOSÉS DE CES FIBRES

Publication

EP 3207173 A4 20180516 (EN)

Application

EP 15851092 A 20151013

Priority

- US 201462064219 P 20141015
- US 2015055333 W 20151013

Abstract (en)

[origin: WO2016061103A1] High strength or load bearing nylon fiber with break tenacity greater than 7.5 g/den and/or a tenacity at 10% elongation of greater than 4.0g/den as well as yarns, fabrics and articles of manufacture thereof and methods for their production are provided.

IPC 8 full level

D04H 1/4334 (2012.01); **D01D 5/00** (2006.01); **D01D 5/08** (2006.01); **D01D 5/12** (2006.01); **D01D 10/02** (2006.01); **D01F 6/60** (2006.01); **D03D 15/283** (2021.01); **D03D 15/50** (2021.01); **D03D 15/573** (2021.01); **D04H 3/005** (2012.01); **D04H 3/009** (2012.01)

CPC (source: CN EP IL KR US)

D01D 5/0023 (2013.01 - IL US); **D01D 5/082** (2013.01 - IL US); **D01D 5/12** (2013.01 - CN EP IL KR US); **D01D 10/02** (2013.01 - CN EP IL KR US); **D01F 6/60** (2013.01 - CN EP IL KR US); **D02G 3/04** (2013.01 - EP IL US); **D04H 1/4334** (2013.01 - CN EP IL KR US); **D04H 3/005** (2013.01 - IL US); **D04H 3/009** (2013.01 - CN EP IL KR US); **D10B 2331/02** (2013.01 - EP IL US)

Citation (search report)

- [XA] US 2011177737 A1 20110721 - BLOOM DOUGLAS A [US]
- [XA] US 2002104576 A1 20020808 - HOWLAND CHARLES A [US]
- See also references of WO 2016061103A1

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)

WO 2016061103 A1 20160421; BR 112017007736 A2 20180605; CN 107002330 A 20170801; CN 107002330 B 20200728; CN 111485294 A 20200804; CN 111485294 B 20230331; EP 3207173 A1 20170823; EP 3207173 A4 20180516; IL 251686 A0 20170629; IL 251686 B 20201130; KR 20170067845 A 20170616; MX 2017004867 A 20171204; RU 2017116442 A 20181115; RU 2017116442 A3 20191015; US 2017253997 A1 20170907

DOCDB simple family (application)

US 2015055333 W 20151013; BR 112017007736 A 20151013; CN 201580068507 A 20151013; CN 202010292743 A 20151013; EP 15851092 A 20151013; IL 25168617 A 20170409; KR 20177012534 A 20151013; MX 2017004867 A 20151013; RU 2017116442 A 20151013; US 201515518274 A 20151013