

Title (en)

HIGH LOAD BEARING CAPACITY NYLON STAPLE FIBERS WITH ADDITIVE, AND BLENDED YARNS AND FABRICS THEREOF

Title (de)

NYLONSTAPELFASER MIT HOHER LASTTRAGFÄHIGKEIT MIT ADDITIV UND MISCHGARNE UND GEWEBE DARAUS

Title (fr)

FIBRES DISCONTINUES DE NYLON À CAPACITÉ DE CHARGE ÉLEVÉE COMPRENANT UN ADDITIF, AINSI QUE FILS MÉLANGÉS ET TISSUS ASSOCIÉS

Publication

EP 3697953 A1 20200826 (EN)

Application

EP 18807746 A 20181018

Priority

- US 201762575091 P 20171020
- US 2018056492 W 20181018

Abstract (en)

[origin: WO2019079584A1] Nylon staple fiber with additive exhibiting a break tenacity greater than 6.5 g/den are provided as well as yarns, fabrics and other articles of manufacture produced from the fiber. Methods for producing the nylon staple fiber with additive are also provided.

IPC 8 full level

D02G 3/04 (2006.01); **D01F 1/02** (2006.01); **D01F 1/04** (2006.01); **D01F 1/10** (2006.01); **D01F 6/60** (2006.01); **D04H 1/549** (2012.01)

CPC (source: EP KR US)

D01D 5/088 (2013.01 - KR); **D01D 5/26** (2013.01 - KR); **D01D 10/02** (2013.01 - KR); **D01F 1/02** (2013.01 - EP); **D01F 1/04** (2013.01 - EP KR US); **D01F 1/07** (2013.01 - KR); **D01F 1/10** (2013.01 - EP US); **D01F 1/106** (2013.01 - KR); **D01F 6/60** (2013.01 - EP KR US); **D01F 6/80** (2013.01 - KR); **D02G 3/04** (2013.01 - EP KR US); **D04H 1/549** (2013.01 - EP KR US); **D10B 2331/02** (2013.01 - US); **D10B 2401/04** (2013.01 - US); **D10B 2401/063** (2013.01 - US)

Citation (search report)

See references of WO 2019079584A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2019079584 A1 20190425; BR 112020007709 A2 20201020; CN 111225998 A 20200602; CN 111225998 B 20230124; EP 3697953 A1 20200826; EP 3697953 B1 20231011; JP 2021500483 A 20210107; JP 7242664 B2 20230320; KR 20200068656 A 20200615; MX 2020003277 A 20200720; US 2020283933 A1 20200910

DOCDB simple family (application)

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