

Title (en)
HIGH TEMPERATURE MONOFILAMENT ARTICLES

Title (de)
HOCHTEMPERATUR-MONOFILAMENTARTIKEL

Title (fr)
ARTICLES MONOFILAMENTS À HAUTE TEMPÉRATURE

Publication
EP 3676428 A1 20200708 (EN)

Application
EP 18850619 A 20180829

Priority

- US 201762551563 P 20170829
- US 2018048451 W 20180829

Abstract (en)
[origin: US2019062959A1] A fabricated part for a high temperature operation including a non-metallic substrate formed of a polymer fabric of woven non-absorbent polymer filament. The substrate is heat-resistant and heat set at a temperature that is above a predetermined operating temperature of an operation of the fabricated part. The heat setting pre-shrinks/heat stabilizes the material, thereby reducing failure during use in high temperature and/or wet applications. The substrate is useful as an endless belt and other applications. The invention further includes an apparatus with a heating device configured to operate at the predetermined operating temperature, and the fabricated part within or extending through the heating device.

IPC 8 full level
D01F 6/58 (2006.01); **D03D 1/00** (2006.01); **D03D 3/04** (2006.01); **D03D 15/12** (2006.01); **D04B 1/16** (2006.01)

CPC (source: EP US)
D03D 1/0094 (2013.01 - EP US); **D03D 3/04** (2013.01 - US); **D03D 9/00** (2013.01 - EP US); **D03D 15/267** (2021.01 - EP US); **D03D 15/283** (2021.01 - EP); **D03D 15/47** (2021.01 - EP US); **D03D 15/513** (2021.01 - EP US); **D03D 19/00** (2013.01 - EP US); **D10B 2321/021** (2013.01 - EP US); **D10B 2331/061** (2013.01 - EP US); **D10B 2331/14** (2013.01 - EP US); **D10B 2331/301** (2013.01 - EP US); **D10B 2401/04** (2013.01 - EP US); **D10B 2505/00** (2013.01 - EP US)

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)
US 2019062959 A1 20190228; BR 112020003885 A2 20200908; CA 3074214 A1 20190307; EP 3676428 A1 20200708; EP 3676428 A4 20210505; MX 2020002173 A 20201028; WO 2019046369 A1 20190307

DOCDB simple family (application)
US 201816115831 A 20180829; BR 112020003885 A 20180829; CA 3074214 A 20180829; EP 18850619 A 20180829; MX 2020002173 A 20180829; US 2018048451 W 20180829