

Title (en)  
HIGH TEMPERATURE MONOFILAMENT ARTICLES

Title (de)  
HOCHTEMPERATUR-MONOFILAMENTARTIKEL

Title (fr)  
ARTICLES MONOFILAMENTS À HAUTE TEMPÉRATURE

Publication  
**EP 3676428 A4 20210505 (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  
**D03D 1/00** (2006.01); **D03D 3/04** (2006.01); **D03D 9/00** (2006.01); **D03D 15/267** (2021.01); **D03D 15/283** (2021.01); **D03D 15/47** (2021.01); **D03D 15/513** (2021.01); **D03D 19/00** (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)

Citation (search report)

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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)  
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