

Title (en)

FIBERS COMPRISING AN ALIPHATIC POLYESTER BLEND, AND YARNS, TOWS, AND FABRICS FORMED THEREFROM

Title (de)

FASERN MIT EINER ALIPHATISCHEN POLYESTERMISCHUNG SOWIE DAMIT HERGESTELLTE GARNE, SEILE UND GEWEBE

Title (fr)

FIBRES COMPRENANT UN MÉLANGE DE POLYESTER ALIPHATIQUE ET FILS, CÂBLES ET TISSUS À BASE DE CELLES-CI

Publication

EP 3134566 A2 20170301 (EN)

Application

EP 15719958 A 20150422

Priority

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- US 2015026984 W 20150422

Abstract (en)

[origin: WO2015164447A2] The present disclosure provides thermoplastic fibers that comprise homogeneous blends of polylactic acid (PLA) polymers having different degrees of isomeric purity. The fibers exhibit reduced shrinkage and can be formed with increased productivity, specifically in relation to utilizing increased draw ratios. A homogeneous blend can comprise a first PLA polymer and a second PLA polymer, wherein the first PLA polymer has an isomeric purity for the D-isomer or the L-isomer of at least about 99% and the second PLA polymer has an isomeric purity for the D-isomer or the L-isomer of no greater than about 98.5%. The disclosure further encompasses yarns and fabrics formed from the fibers and compositions formed from the yarns or fabrics, as well as methods of preparing PLA materials.

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

See references of WO 2015164447A2

Designated contracting state (EPC)

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