

Title (en)

POLY(ETHYLENETEREPHTHALATE) DRAWN FIBER, TIRE-CORD, AND METHOD OF MANUFACTURING THE
POLY(ETHYLENETEREPHTHALATE) DRAWN FIBER AND THE TIRE-CORD

Title (de)

GEZOGENE POLY(ETHYLENTEREPHTHALAT)FASER , REIFENCORD SOWIE HERSTELLUNGSVERFAHREN FÜR DIE GEZOGENE
POLY(ETHYLENTEREPHTHALAT-) FASER UND REIFENCORD

Title (fr)

FIBRE ÉTIRÉE DE POLY(TÉRÉPHTALATE D'ÉTHYLÈNE), CÂBLE POUR PNEU ET LEUR PROCÉDÉ DE FABRICATION

Publication

EP 2660370 A4 20140611 (EN)

Application

EP 11853427 A 20111228

Priority

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- KR 2011010237 W 20111228

Abstract (en)

[origin: EP2660370A2] The present invention relates to a drawn poly(ethyleneterephthalate) (PET) fiber exhibiting excellent dimensional stability and uniform properties while having high fineness of 2000 denier or more, a tire cord, and their preparation method. The drawn PET fiber includes PET 90 mol% or more, and has a crystallinity of 40 to 50%, an amorphous orientation factor (AOF) of 0.01 to 0.2, a monofilament fineness of 2.5 to 4.0 denier, a coefficient of variation (CV) of cross sectional area of 8.0 % or less, and a total fineness of 2000 to 4000 denier.

IPC 8 full level

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D02J 1/22 (2013.01 - EP US); **D10B 2331/04** (2013.01 - EP US); **Y10T 428/298** (2015.01 - EP US)

Citation (search report)

- [I] US 4414169 A 19831108 - MCCLARY EDWARD B [US]
- [IA] WO 2009123414 A2 20091008 - KOLON INC [KR], et al
- [A] US 2003207111 A1 20031106 - NELSON CHARLES JAY [US], et al
- [A] US 6511624 B1 20030128 - CHO EUN-LAI [KR], et al
- See references of WO 2012091455A2

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EP3266625A4; EP3266626A4; US10589578B2; US10589570B2

Designated contracting state (EPC)

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DOCDB simple family (application)

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