

Title (en)

SYNTHETIC FIBER CONTAINING PLANT FATTY ACIDS, AND METHOD FOR MANUFACTURING SAME

Title (de)

KUNSTFASER MIT PFLANZLICHEN FETTSÄUREN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

FIBRE SYNTHÉTIQUE CONTENANT DES ACIDES GRAS VÉGÉTAUX ET PROCÉDÉ POUR LA FABRICATION DE LADITE FIBRE

Publication

EP 2695975 A4 20140917 (EN)

Application

EP 12764616 A 20120329

Priority

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- KR 20120013558 A 20120210
- KR 2012002323 W 20120329

Abstract (en)

[origin: US2013203919A1] Disclosed are a synthetic fiber comprising a plant fatty acid and a method for manufacturing the same. The method comprises incorporating a plant fatty acid in an amount of from 0.1 to 10.0 wt % into a fiber-formable polymer; and melt-spinning the plant fatty acid-incorporated polymer. The synthetic fiber comprises a plant fatty acid in an amount of from 0.01 to 1.0.0 wt %, and emanates a plant fragrance. In addition to being superior to general synthetic fibers in physical properties including strength and elongation, the synthetic fiber exhibits excellent bulkiness, elasticity, whiteness, touch sensation, hygroscopicity, dyeability, and gloss. Further, the fiber is highly antistatic and gives off a plant fragrance, so that it is useful as a material for high-quality clothes.

IPC 8 full level

D01D 1/10 (2006.01); **D01D 5/08** (2006.01)

CPC (source: EP KR US)

D01D 5/08 (2013.01 - EP KR US); **D01F 1/09** (2013.01 - EP US); **D01F 1/10** (2013.01 - EP KR US); **D01F 6/06** (2013.01 - EP US); **D01F 6/60** (2013.01 - EP US); **D01F 6/62** (2013.01 - EP US)

Citation (search report)

- [X] GB 893604 A 19620411 - MONTEDISON SPA
- [X] US 3231530 A 19660125 - PRAHL HELMUT F
- [X] CN 101063235 A 20071031 - EXHIBITION OF SHANGHAI RAISES [CN]
- [X] EP 0735089 A2 19961002 - MONTELL NORTH AMERICA INC [US]
- [A] US 2010330861 A1 20101230 - MOR EBRAHIM [US]
- [A] WO 9005006 A1 19900517 - MEMTEC LTD [AU]
- See references of WO 2012134192A2

Designated contracting state (EPC)

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DOCDB simple family (application)

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