

Title (en)

METHOD FOR PRODUCING SYNTHETIC FIBRES FROM A FIBRE-FORMING POLYMER-BASED MELT BLEND

Title (de)

VERFAHREN ZUR HERSTELLUNG VON SYNTHETISCHEN FÄDEN AUS EINER AUF FASERBILDENDEN POLYMEREN BASIERENDEN SCHMELZE-MISCHUNG

Title (fr)

PROCEDE DE FABRICATION DE FILS SYNTHETIQUES A PARTIR D'UN MELANGE FONDU A BASE DE POLYMERES FIBROGENES

Publication

**EP 1287192 A1 20030305 (DE)**

Application

**EP 01936385 A 20010522**

Priority

- DE 10022889 A 20000525
- DE 10115203 A 20010327
- EP 0105851 W 20010522

Abstract (en)

[origin: US6667003B2] The present invention relates to a method for the manufacture of synthetic fibers from a melt mixture of fiber forming matrix polymers, wherein at least one second amorphous additive polymer, which is immiscible with the fiber forming matrix polymer, is added to the fiber forming matrix polymers in a quantity of 0.05-5 wt % (with reference to the total weight of fiber forming matrix polymer and the additive copolymer). The additive polymer is obtained by multiple initiation. Furthermore, the present invention also relates to the synthetic fibers produced by the method.

IPC 1-7

**D01F 6/92**

IPC 8 full level

**D01D 1/06** (2006.01); **D01D 5/28** (2006.01); **D01F 6/92** (2006.01)

CPC (source: EP KR US)

**D01D 1/065** (2013.01 - EP US); **D01D 5/28** (2013.01 - EP US); **D01F 6/92** (2013.01 - EP KR US); **Y10T 428/2913** (2015.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 0190454 A1 20011129**; AT E316590 T1 20060215; AU 2001262309 B2 20041104; AU 6230901 A 20011203; BR 0111003 A 20030415; CA 2407438 A1 20021023; CN 1226474 C 20051109; CN 1430685 A 20030716; DE 50108799 D1 20060413; EP 1287192 A1 20030305; EP 1287192 B1 20060125; HK 1053676 A1 20031031; JP 2003534464 A 20031118; KR 20030011845 A 20030211; MX PA02009470 A 20040514; PL 358970 A1 20040823; TW 548356 B 20030821; US 2002017735 A1 20020214; US 2004096655 A1 20040520; US 6667003 B2 20031223

DOCDB simple family (application)

**EP 0105851 W 20010522**; AT 01936385 T 20010522; AU 2001262309 A 20010522; AU 6230901 A 20010522; BR 0111003 A 20010522; CA 2407438 A 20010522; CN 01810046 A 20010522; DE 50108799 T 20010522; EP 01936385 A 20010522; HK 03105988 A 20030821; JP 2001586646 A 20010522; KR 20027015330 A 20021115; MX PA02009470 A 20010522; PL 35897001 A 20010522; TW 90111870 A 20010524; US 70486203 A 20031110; US 85251501 A 20010510