

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 B1 20060125 (DE)

Application

EP 01936385 A 20010522

Priority

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

Abstract (en)

[origin: WO0190454A1] The invention relates to a method for producing synthetic fibres from a melt blend that is based on fibre-forming matrix polymers. According to said method, at least one second amorphous additive polymer is added to the fibre-forming matrix polymers, said additive polymer being incompatible with the fibre-forming matrix polymer, in a quantity of 0.05 to 5 wt.-%, relative to the combined total weight of fibre-forming matrix polymer and the additive polymer with which it is incompatible. The method is characterized in that an additive polymer, which can be obtained by multiple initiation, is added. The invention also relates to synthetic fibres obtained by said method and to the further processing of the same.

IPC 8 full level

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