

Title (en)

Polyester fibres, process for their production and their use.

Title (de)

Polyesterfasern, Verfahren zu deren Herstellung und deren Verwendung

Title (fr)

Fibres de polyester, leur procédé de fabrication et leur utilisation

Publication

EP 1544331 B1 20090909 (DE)

Application

EP 04027655 A 20041122

Priority

DE 10359763 A 20031219

Abstract (en)

[origin: EP1544331A1] Polyester fibres (I) with a free carboxyl group content of not more than 3 meq/kg, stabilised with an epoxide composition (II) containing epoxidised fatty acid ester(s) with an epoxide content of at least 1.5 wt.% based on (II). Independent claims are also included for the following: (1) a method for the production of (I) by mixing polyester granules with (II), extruding the mixture through a spinneret and drawing off the fibres; and (2) a method for the production of (I) by adding (II) before or during the polycondensation process and then extruding and processing the mixture as above.

IPC 8 full level

B65G 15/32 (2006.01); **D01F 6/62** (2006.01); **D01F 6/92** (2006.01); **D03D 1/00** (2006.01); **D03D 15/00** (2006.01)

CPC (source: EP US)

D01F 6/62 (2013.01 - EP US); **D01F 6/92** (2013.01 - EP US)

Cited by

CN105579630A; US9982128B2; WO2015047988A1; EP3052697A1

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DOCDB simple family (application)

EP 04027655 A 20041122; AT 04027655 T 20041122; DE 10359763 A 20031219; DE 502004010034 T 20041122; ES 04027655 T 20041122; JP 2004365326 A 20041217; PT 04027655 T 20041122; US 1311404 A 20041215