

Title (en)

Mass-dyed polyurethaneurea fibres, process for their production, and their use in the production of textile fabrics

Title (de)

Spinngefärbte Polyurethanharnstofffasern, ein Verfahren zu deren Herstellung und deren Verwendung zur Herstellung von textilen Geweben

Title (fr)

Fibres de polyuréthane-urée teintées dans la masse, leur procédé de production et leur utilisation dans la production de tissus

Publication

EP 1703003 A1 20060920 (DE)

Application

EP 06004545 A 20060307

Priority

DE 102005012797 A 20050319

Abstract (en)

Basically modified carbon black (I) is used to produce dark polyurethaneurea fibers, where (I) is uniformly dispersed in the fibers in an amount of 0.05-8 wt.%. Independent claims are also included for: (1) polyurethaneurea fibers comprising 70-99.9 wt.% polyurethaneurea, 0.05-8 wt.% (I) and 0-20 wt.% additives, where (I) is uniformly dispersed in the fibers; (2) producing colored polyurethaneurea fibers by preparing a polyurethaneurea solution containing 0.05-8 wt.% (I), spinning the solution, forming fibers by drying or precipitation, and lubricating and spooling the fibers.

IPC 8 full level

D01F 1/04 (2006.01); **D01F 6/70** (2006.01)

CPC (source: EP US)

D01F 1/04 (2013.01 - EP US); **D01F 6/70** (2013.01 - EP US); **Y10T 428/2913** (2015.01 - EP US); **Y10T 428/2927** (2015.01 - EP US)

Citation (applicant)

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- DE 102004003997 A1 20050818 - BAYER FASER GMBH [DE]
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- H. GALL; M. KAUSCH: "POLYURETHANE", vol. 7, 1993, CARL HANSER VERLAG, article "Kunststoff-Handbuch", pages: 679 - 694

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (application)

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