

Title (en)

Process for processing polymer mixtures into filaments

Title (de)

Verfahren zur Verarbeitung von Polymermischungen zu Filamenten

Title (fr)

Procédé pour la transformation de mélanges de polymères en fibres

Publication

EP 0860524 A3 19990203 (DE)

Application

EP 98101697 A 19980202

Priority

DE 19707447 A 19970225

Abstract (en)

[origin: EP0860524A2] In spinning polymer mixtures based on polyester (IA) or polyamide (IB) at haul-off rates ≥ 1500 m/minute (m/min) to filaments with an elongation at break $\leq 180\%$, 0.05-5 wt.% of a second amorphous polymer (II) is added. (II) is a copolymer of NOTLESS 2 monomer units selected from (A) 0-90 wt.% alkyl or cyclohexyl (meth)acrylate of formula $\text{CH}_2=\text{C}(\text{R})-\text{COOR}_1$ (III), (B) 0-40 wt.% maleic acid or anhydride and (C) 5-85 wt.% styrene or methyl-substituted styrene; In (III) R = H or methyl; R₁ = linear or branched 1-10 C alkyl or cyclohexyl.

IPC 1-7

D01F 6/90; **D01F 6/92**

IPC 8 full level

D01F 6/90 (2006.01); **D01F 6/92** (2006.01)

CPC (source: EP)

D01F 6/90 (2013.01); **D01F 6/92** (2013.01)

Citation (search report)

- [DA] EP 0047464 B1 19850123
- [DA] EP 0631638 B1 19960228 - AKZO NOBEL NV [NL]
- [A] PATENT ABSTRACTS OF JAPAN vol. 095, no. 010 30 November 1995 (1995-11-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 200 (C - 431) 27 June 1987 (1987-06-27)
- [DA] PATENT ABSTRACTS OF JAPAN vol. 005, no. 160 (C - 075) 15 October 1981 (1981-10-15)
- [A] DATABASE WPI Section Ch Week 7405, Derwent World Patents Index; Class A23, AN 74-08473V, XP002087121

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DOCDB simple family (application)

EP 98101697 A 19980202; CN 97125423 A 19971209; DE 19707447 A 19970225; DE 59809989 T 19980202