

Title (en)

Polymer mixtures and process for working up polymer mixtures into filaments

Title (de)

Polymermischungen und Verfahren zur Verarbeitung von Polymermischungen zu Filamenten

Title (fr)

Mélanges de polymères et procédé pour la transformation desdits mélanges en fibres

Publication

EP 0860524 B1 20031029 (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.

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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)

Cited by

DE10022889B4; US6136435A; WO2004000938A1; US6736624B1; US6576339B1; WO0070132A1; WO2004067815A3; WO0111117A3; WO9947735A1; WO0236863A1; WO9907927A1

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