Title (en)

Hydrolysis resistant polyester fibres and filaments, masterbatches and production process of polyester fibres and filaments

Title (de)

Hydrolysebeständige Polyesterfasern und -filamente, Masterbatches und Verfahren zur Herstellung von Polyesterfasern und -filamenten

Title (fr)

Fibres et filaments de polyester ayant une stabilité à l'hydrolyse, mélanges maîtres et procédé de fabrication de fibres et filaments de polyester

Publication

EP 0779382 B1 20020320 (DE)

Application

EP 96119409 A 19961204

Priority

DE 19547028 A 19951215

Abstract (en)

[origin: EP0779382A1] A process is claimed for the production of hydrolysis-resistant polyester (PES) fibres and filaments, in which a masterbatch containing a polymeric vehicle (I) and an end group-blocker (II) together with the fibre-forming PES material is fed into the spinning nozzle. Component (I) contains practically no end groups which are able to react with (II) under the production conditions. Also claimed is (i) a masterbatch as above, and (ii) PES fibres or filaments with enhanced resistance to hydrolysis, containing end group blockers as above.

IPC 1-7

D01F 6/62; D01F 1/10; D01F 6/92

IPC 8 full level

D01F 6/62 (2006.01); **C08J 3/22** (2006.01); **D01F 1/10** (2006.01); **D01F 6/02** (2006.01); **D01F 6/92** (2006.01); **D21F 7/08** (2006.01)

CPC (source: EP US)

D01F 1/10 (2013.01 - EP US); **D01F 6/02** (2013.01 - EP US); **D01F 6/92** (2013.01 - EP US); Y10T 428/29 (2015.01 - EP US); Y10T 428/2913 (2015.01 - EP US); Y10T 428/31786 (2015.04 - EP US)

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DOCDB simple family (publication)

EP 0779382 A1 19970618; **EP 0779382 B1 20020320**; BR 9605999 A 19990615; DE 19547028 A1 19970717; DE 59608917 D1 20020425; JP H09195123 A 19970729; US 5811508 A 19980922

DOCDB simple family (application)

EP 96119409 A 19961204; BR 9605999 A 19961213; DE 19547028 A 19951215; DE 59608917 T 19961204; JP 33550496 A 19961216; US 76740396 A 19961216