

Title (en)

CRIMPED MULTIFILAMENT AND PRODUCTION THEREOF

Title (de)

GEKRÄUSELTES MULTIFILAMENT UND VERFAHREN ZUR HERSTELLUNG EINES SOLCHEN FILAMENTS

Title (fr)

MULTIFILAMENT CREPE ET PROCEDE DE PRODUCTION D'UN TEL FILAMENT

Publication

**EP 0455831 B1 19970903 (EN)**

Application

**EP 90917689 A 19901129**

Priority

- JP 9001549 W 19901129
- JP 30900989 A 19891130

Abstract (en)

[origin: EP0455831A1] Crimped multifilament produced from thermoplastic polymer, birefringence measured at outer layer pt. of constituent monofilament is larger than that measured at central part thereof, distribution of birefringence is so position of smallest birefringence is deviated from centre of fibre axis, and number of random crimps per unit is at least ten. Deg. of crystal growth as determined by wide-angle X-ray diffractometry is at least 0.2 in case of polyamide and at least 0.4 in case of polyester. Pref. method of producing crimped multifilament comprises cooling multifilaments extruded through spinnerets to given temp. by applying aq. liq. to side of each of multifilaments, stretching them 1.0- to 1.5- fold, and subjecting them to liq. jet treatment (in case of nylon) or relaxation heat treatment at 105 deg.C or above.

IPC 1-7

**D01D 5/23**; **D01F 6/60**; **D01F 6/62**

IPC 8 full level

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CPC (source: EP)

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- JP H0197209 A 19890414 - TORAY INDUSTRIES
- JP S5512832 A 19800129 - TOYO BOSEKI
- JP S465533 B1

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