

Title (en)

SHAPED-SECTION FINE-FIBRE FILAMENT YARN AND METHOD OF PRODUCING IT

Title (de)

PROFILIERTES, FEINFIBRILLIGES FILAMENTGARN UND VERFAHREN ZUR HERSTELLUNG DESSELBEN

Title (fr)

FIL CONTINU FIBRILLAIRE PROFILE ET SON PROCEDE DE FABRICATION

Publication

**EP 0602201 B2 20040128 (DE)**

Application

**EP 93912537 A 19930701**

Priority

- CH 210992 A 19920703
- CH 9300168 W 19930701

Abstract (en)

[origin: WO9401603A1] The invention concerns a shaped-section fine-fibre filament yarn made of polyamide POY with a viscosity value (RV) of 40 to 55 and strength of 30 to 45 cN/tex, the filament yarn having a single-fibre titre of less than 1.5 dtex, a colour uniformity with a coefficient of variation of less than 2 and a fibre width-to-length (B/L) ratio of 0.5 to 0.7 and being intended as feed yarn for texturing purposes. The yarn is produced by extrusion at an injection speed of 8 to 14 m/min through a nozzle with a capillary section of 0.05 to 0.1 mm<2> per capillary, the solidified filaments being drawn to give a POY - partially oriented yarn.

IPC 1-7

**D01D 5/253**; **D01D 5/098**; **D01F 6/60**

IPC 8 full level

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CPC (source: EP US)

**D01D 5/098** (2013.01 - EP US); **D01D 5/253** (2013.01 - EP US); **D01F 6/60** (2013.01 - EP US); **Y10T 428/2913** (2015.01 - EP US); **Y10T 428/2969** (2015.01 - EP US); **Y10T 428/2973** (2015.01 - EP US)

Citation (opposition)

Opponent :

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CN104928773A; CN111041651A

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 9401603 A1 19940120**; AT E159303 T1 19971115; BR 9305568 A 19951226; CA 2116779 A1 19940120; CA 2116779 C 20030617; DE 59307545 D1 19971120; DK 0602201 T3 19980602; DK 0602201 T4 20040405; EP 0602201 A1 19940622; EP 0602201 B1 19971015; EP 0602201 B2 20040128; ES 2110095 T3 19980201; ES 2110095 T5 20040716; US 5432002 A 19950711

DOCDB simple family (application)

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