

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

D01D 5/098 (2006.01); **D01D 5/253** (2006.01); **D01F 6/60** (2006.01)

CPC (source: EP US)

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Citation (opposition)

Opponent :

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CN104928773A; CN111041651A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IE IT LI LU NL PT SE

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

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