

Title (en)

PROCESS FOR MANUFACTURING A SMOOTH POLYESTER YARN AND YARN SO OBTAINED

Publication

EP 0345307 B1 19920527 (DE)

Application

EP 88908130 A 19881006

Priority

CH 399787 A 19871013

Abstract (en)

[origin: WO8903437A1] In a process for manufacturing a smooth, dimensionally stable, shrink-resistant polyester filament yarn, the starting product is a polyester POY. The polyester POY (5a) is cold-stretched (5b) in a stretching ratio of 1.8 to 2.5 and then relaxed with an advance of approximately 3 to 10 %. The yarn so obtained has an initial modulus of 600 to 1200 cN/tex, a reversibility limit greater than > 8 cN/tex, and an extensibility less than < 20 % . It is used as a high-strength polyester yarn whenever dimensional stability is essential.

IPC 1-7

D01D 5/16; **D01F 6/62**; **D02J 1/22**

IPC 8 full level

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CPC (source: EP US)

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