

Title (en)  
POLYESTER YARN AND PROCESS FOR PRODUCING

Title (de)  
POLYESTERGARN UND HERSTELLUNGSVERFAHREN

Title (fr)  
FIL DE POLYESTER ET PROCESSUS DE FABRICATION

Publication  
**EP 1979516 A1 20081015 (EN)**

Application  
**EP 06840340 A 20061221**

Priority  
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Abstract (en)  
[origin: US2007148450A1] A multi-filament poly(trimethylene terephthalate) yarn is provided. The poly(trimethylene terephthalate) yarn has a crystal orientation function of at least 0.6 and an elongation at break of between 65% and 110%. A process for producing the yarn is also provided in which poly(trimethylene terephthalate) is melt-spun into a multi-filament yarn, the yarn is cooled to a yarn temperature of less than 50° C., and the cooled yarn is taken-up at a take-up speed of at least 3500 m/min while maintaining the temperature of the yarn at a yarn temperature of less than 50° C.

IPC 8 full level  
**D01F 6/62** (2006.01)

CPC (source: EP KR US)  
**D01F 6/62** (2013.01 - EP KR US); **D02G 3/02** (2013.01 - EP US); **Y10T 428/2913** (2015.01 - EP US)

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**US 61551806 A 20061222**; AU 2006330497 A 20061221; BR PI0620768 A 20061221; CA 2634795 A 20061221; CN 200680051884 A 20061221; EP 06840340 A 20061221; JP 2008548816 A 20061221; KR 20087017680 A 20080718; TW 95146649 A 20061213; US 2006062480 W 20061221