

Title (en)

PROCESS FOR PREPARING POLY(TRIMETHYLENE TEREPHTHALATE) FIBER

Title (de)

VERFAHREN ZUR HERSTELLUNG VON POLYTRIMETHYLENTEREPHTHALATFASERN

Title (fr)

PROCEDE DE PREPARATION D'UNE FIBRE DE POLY(TRIMETHYLENE TEREPHTHALATE)

Publication

**EP 1702092 A4 20071205 (EN)**

Application

**EP 05711340 A 20050106**

Priority

- US 2005000774 W 20050106
- US 75239904 A 20040106

Abstract (en)

[origin: US2005147784A1] The present invention relates to a process for spinning poly(trimethylene terephthalate) filaments/yarn. The poly(trimethylene terephthalate) has a number average molecular weight of at least about 26500 and a melt viscosity of at least about 350 Pascals at 250° C. and 48.65 per second shear rate. It is spun and the filaments are converged into yarn. The filaments have a denier greater than 1 and the yarn has a denier greater than 210.

IPC 8 full level

**D02G 1/20** (2006.01); **D01F 6/62** (2006.01); **D02G 1/02** (2006.01); **D02J 1/08** (2006.01)

CPC (source: EP KR US)

**D01F 6/62** (2013.01 - EP KR US); **D02G 1/02** (2013.01 - EP KR US); **D02G 1/20** (2013.01 - EP KR US); **D02J 1/08** (2013.01 - EP KR US); **D10B 2331/04** (2013.01 - KR); **D10B 2503/04** (2013.01 - KR)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2005068695A1

Designated contracting state (EPC)

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**US 2005147784 A1 20050707**; CA 2552662 A1 20050728; CN 1906340 A 20070131; CN 1906340 B 20120704; EP 1702092 A1 20060920; EP 1702092 A4 20071205; JP 2007521422 A 20070802; KR 20060123432 A 20061201; MX PA06007683 A 20060901; TW 200602525 A 20060116; WO 2005068695 A1 20050728

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