

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)

BE DE GB IT

DOCDB simple family (publication)

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

DOCDB simple family (application)

US 75239904 A 20040106; CA 2552662 A 20050106; CN 200580001824 A 20050106; EP 05711340 A 20050106; JP 2006549507 A 20050106; KR 20067013476 A 20060705; MX PA06007683 A 20050106; TW 94100397 A 20050106; US 2005000774 W 20050106