

Title (en)
POLYTRIMETHYLENE TEREPHTHALATE CONJUGATE FIBER AND METHOD OF PREPARING THE SAME

Title (de)
POLYTRIMETHYLENTEREPHTHALAT KONJUGATFASER UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)
FIBRE CONJUGUEE DE POLYTRIMETHYLENE TEREPHTHALATE ET PROCEDE DE PREPARATION

Publication
EP 1518012 A1 20050330 (EN)

Application
EP 03708717 A 20030311

Priority
• KR 0300470 W 20030311
• KR 20020029202 A 20020527
• KR 20020064897 A 20021023

Abstract (en)
[origin: WO03100143A1] Disclosed is a polytrimethylene terephthalate conjugate fiber having high self-crimpability, which is prepared by conjugate-spinning two types of polytrimethylene terephthalates having different intrinsic viscosities in which a difference between the intrinsic viscosities ranges from 0.05 to 0.15 into a side-by-side fiber. Also, the polytrimethylene terephthalate conjugate fiber prepared by the conjugate-spinning undergoes a false twisting process, leading to development of three-dimensional high self-crimpability and sufficient bulky property in the resulting fiber.

IPC 1-7
D01F 6/62

IPC 8 full level
D01F 6/04 (2006.01); **D01F 8/14** (2006.01); **D02G 1/02** (2006.01); **D02J 1/22** (2006.01)

CPC (source: EP US)
D01F 8/14 (2013.01 - EP US); **D02G 1/0213** (2013.01 - EP US); **D02G 1/022** (2013.01 - EP US); **D02G 1/0266** (2013.01 - EP US);
D02J 1/22 (2013.01 - EP US); **Y10T 428/2913** (2015.01 - EP US); **Y10T 428/2929** (2015.01 - EP US); **Y10T 428/2931** (2015.01 - EP US)

Designated contracting state (EPC)
IT TR

DOCDB simple family (publication)
WO 03100143 A1 20031204; **WO 03100143 A8 20050324**; CN 1656261 A 20050817; EP 1518012 A1 20050330; EP 1518012 A4 20061206;
JP 2005527715 A 20050915; TW 200408739 A 20040601; TW I278542 B 20070411; US 2005233140 A1 20051020

DOCDB simple family (application)
KR 0300470 W 20030311; CN 03811542 A 20030311; EP 03708717 A 20030311; JP 2004507580 A 20030311; TW 92106147 A 20030320;
US 51623504 A 20041129