

Title (en)

PROCESS FOR PRODUCING CORE/SHEATH CONJUGATE ELASTOMER FIBER

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER ELASTOMEREN KERNMANTELKONJUGATFASER

Title (fr)

PROCÉDÉ DE PRODUCTION D'UNE FIBRE ÉLASTOMÈRE CONJUGUÉE C UR/GAINE

Publication

**EP 2011906 A1 20090107 (EN)**

Application

**EP 07742102 A 20070420**

Priority

- JP 2007058667 W 20070420
- JP 2006118251 A 20060421

Abstract (en)

The present invention provides a process for producing a conjugate fiber that is excellent in strength, stretch elasticity, and transparency. The process includes a step (1) in which an elastomer resin (A) having stretching elasticity and an elastomer resin (B) having stretch elasticity, a permanent elongation of 25-70%, and a tensile elongation of 100-800% are separately melted and subjected to conjugate spinning using a conjugate spinneret having two nozzles so that the elastomer resin (A) forms a core and the elastomer resin (B) form a sheath; a step (2) in which the fiber obtained by composite spinning in the step (1) is heat-treated; and a step (3) in which the fiber heat-treated in the step (2) is stretched.

IPC 8 full level

**D01F 8/12** (2006.01); **D01F 8/14** (2006.01)

CPC (source: EP KR US)

**D01F 8/04** (2013.01 - EP US); **D01F 8/12** (2013.01 - KR); **D01F 8/14** (2013.01 - KR); **Y10T 428/2929** (2015.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 2011906 A1 20090107**; **EP 2011906 A4 20091202**; CN 101426967 A 20090506; JP 5191381 B2 20130508; JP WO2007123214 A1 20090903; KR 20090006842 A 20090115; US 2009269582 A1 20091029; WO 2007123214 A1 20071101

DOCDB simple family (application)

**EP 07742102 A 20070420**; CN 200780013886 A 20070420; JP 2007058667 W 20070420; JP 2008512170 A 20070420; KR 20087026818 A 20081031; US 29713807 A 20070420