

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 A4 20091202 (EN)**

Application

**EP 07742102 A 20070420**

Priority

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- JP 2006118251 A 20060421

Abstract (en)

[origin: EP2011906A1] 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

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CPC (source: EP KR US)

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Citation (search report)

- [PX] WO 2007032449 A1 20070322 - GUNZE KK [JP], et al
- [X] EP 0446377 A1 19910918 - KANEBO LTD [JP]
- [X] WO 9839503 A1 19980911 - DU PONT [US]
- [X] WO 9819623 A1 19980514 - GILLETTE CANADA [CA], et al
- See references of WO 2007123214A1

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DOCDB simple family (publication)

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