

Title (en)

HIGHLY-SHRINKABLE POLYESTER FIBER, PROCESS FOR PREPARATION THEREOF, BLENDED POLYESTER YARN AND PROCESS FOR PREPARATION THEREOF

Publication

**EP 0207489 A3 19880113 (EN)**

Application

**EP 86108904 A 19860701**

Priority

JP 14399085 A 19850702

Abstract (en)

[origin: EP0207489A2] A highly-shrinkable polyester fiber composed of a polyester comprising ethylene terephthalate units as main recurring units and having a birefringence ( DELTA n) of from 0.130 to 0.165, wherein the boiling water shrinkage is at least 30% and the peak temperature and peak value of the thermal stress are 90 to 105 DEG C and at least 0.4 g/de, respectively. The fiber has excellent shrinkability as well as high heat resistance, dimensional stability and alkali resistance and provides a blended polyester yarn excellent in bulkiness and hand.

IPC 1-7

**D01F 6/62**; **D01D 5/098**; **D02G 1/18**

IPC 8 full level

**D01D 5/08** (2006.01); **D01D 5/084** (2006.01); **D01D 5/098** (2006.01); **D01D 10/00** (2006.01); **D01F 6/62** (2006.01); **D02G 1/18** (2006.01); **D02G 3/04** (2006.01)

CPC (source: EP)

**D01D 5/098** (2013.01); **D01F 6/62** (2013.01); **D02G 1/18** (2013.01)

Citation (search report)

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- [PD] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 136 (C-347)[2193], 20th May 1986; & JP-A-60 259 616 (TEIJIN K.K.) 21-12-1985

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