

Title (en)

Highly-shrinkable polyester fiber, process for preparation thereof, blended polyester yarn and process for preparation thereof.

Title (de)

Polyesterfaser mit hohem Schrumpf und Verfahren zur Herstellung desselben; Polyester-Mischgarn und Verfahren zur Herstellung desselben.

Title (fr)

Fibre de polyester à rétraction élevée et procédé pour sa fabrication; fil mélangé de polyester et son procédé de fabrication.

Publication

**EP 0207489 A2 19870107 (EN)**

Application

**EP 86108904 A 19860701**

Priority

JP 14399085 A 19850702

Abstract (en)

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

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CPC (source: EP)

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Cited by

CN114318558A; US4909976A; AU626047B2; US5505894A; US5384082A; CN117512790A; WO8910988A1; WO9616206A1; WO2016012964A1; WO2016016785A1; WO2016016786A1

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