

Title (en)
HIGH-STRENGTH POLYESTER YARN AND PROCESS FOR ITS PREPARATION

Publication
EP 0173221 A3 19860528 (DE)

Application
EP 85110418 A 19850820

Priority
DE 3431831 A 19840830

Abstract (en)
[origin: EP0173221B1] 1. An untwisted high-strength polyester yarn for industrial use, wherein the filament-forming substance has a high average molecular weight corresponding to a relative solution viscosity (1.0 g of polymer in 100 ml of dichloroacetic acid at 25 degrees C) of about 1.90 to about 2.20 and the yarn has a heat shrinkage S200 of less than 7%, a degree of elasticity ED20 of at least 90%, a stability quotient SQ of at least 7.5 and a crystallinity of about 57 to about 65%.

IPC 1-7
D02G 3/02; **D01F 6/62**

IPC 8 full level
D02J 1/22 (2006.01); **D01F 6/62** (2006.01); **D02G 3/02** (2006.01)

CPC (source: EP US)
D01F 6/62 (2013.01 - EP US); **D02G 3/02** (2013.01 - EP US); **Y10S 428/902** (2013.01 - EP US); **Y10T 428/2913** (2015.01 - EP US)

Citation (search report)

- [A] US 3966867 A 19760629 - MUNTING JOHANNES PIETER
- [AD] EP 0089912 A2 19830928 - GOODYEAR TIRE & RUBBER [US]
- [AD] EP 0080906 A2 19830608 - TOYOBO PETCORD [JP]
- [AD] DE 2254998 A1 19740530 - BARMAG BARMER MASCHF
- [AD] DE 1288734 B 19690206 - DU PONT
- [AD] FR 2369360 A1 19780526 - CELANESE CORP [US]

Cited by
EP0319940A1; WO9620299A1; EP0450607B1; WO2023274884A1; EP0546859B2

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0173221 A2 19860305; **EP 0173221 A3 19860528**; **EP 0173221 B1 19891227**; AT E49026 T1 19900115; BR 8504163 A 19860624; CA 1300360 C 19920512; DE 3431831 A1 19860313; DE 3575000 D1 19900201; JP 2619356 B2 19970611; JP 2854290 B2 19990203; JP H09170113 A 19970630; JP S6163714 A 19860401; US 4973657 A 19901127

DOCDB simple family (application)
EP 85110418 A 19850820; AT 85110418 T 19850820; BR 8504163 A 19850829; CA 489623 A 19850829; DE 3431831 A 19840830; DE 3575000 T 19850820; JP 18873185 A 19850829; JP 28109396 A 19961023; US 77062385 A 19850828