

Title (en)

A DRAWN POLYESTER YARN HAVING A HIGH TENACITY, A HIGH INITIAL MODULUS AND A LOW SHRINKAGE

Publication

EP 0456495 A3 19920325 (EN)

Application

EP 91304189 A 19910509

Priority

US 52310090 A 19900511

Abstract (en)

[origin: EP0456495A2] The instant invention is directed to a drawn polyester yarn. This yarn is characterized by an initial secant modulus greater than 150 grams per denier/100%. The yarn may be further characterized by either a shrinkage of less than 8% or a tenacity of greater than 7.5 grams per denier. Alternatively, the yarn is characterized by a tenacity of at least 10 grams per denier, an initial modulus of at least 120 grams per denier/100% and a shrinkage of less than 8%.

IPC 1-7

D01F 6/62

IPC 8 full level

D01F 6/62 (2006.01); **D02J 1/22** (2006.01)

CPC (source: EP KR)

D01F 6/62 (2013.01 - EP KR)

Citation (search report)

- [X] EP 0251313 A2 19880107 - TOYO BOSEKI [JP]
- [X] FR 2624887 A1 19890623 - TOYO BOSEKI [JP]
- [A] EP 0341920 A2 19891115 - TORAY INDUSTRIES [JP]
- [AD] US 4491657 A 19850101 - SAITO ISOO [JP], et al
- [AD] EP 0169415 A2 19860129 - TEIJIN LTD [JP]
- [A] EP 0164624 B1 19880413
- [X] PATENT ABSTRACTS OF JAPAN vol. 13, no. 553 (C-663)(3901) 8 December 1989 & JP-A-1 229 807 (TOYOBO CO LTD) 13 September 1989

Cited by

CN103556241A; CN103233283A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0456495 A2 19911113; EP 0456495 A3 19920325; AU 7625091 A 19911114; BR 9101811 A 19911217; CA 2039851 A1 19911112; CN 1056543 A 19911127; JP H04228612 A 19920818; KR 910020213 A 19911219; NO 911821 D0 19910510; NO 911821 L 19911112; PT 97629 A 19930831; ZA 912980 B 19921230

DOCDB simple family (application)

EP 91304189 A 19910509; AU 7625091 A 19910429; BR 9101811 A 19910506; CA 2039851 A 19910405; CN 91103047 A 19910510; JP 10593591 A 19910510; KR 910007574 A 19910510; NO 911821 A 19910510; PT 9762991 A 19910509; ZA 912980 A 19910422