

Title (en)

Multilobal polymer filaments and articles produced therefrom

Title (de)

Multilobale polymerische Filamente und daraus hergestellte Artikel

Title (fr)

Filaments polymères multilobés et articles produits à partir desdits filaments

Publication

EP 1518948 A1 20050330 (EN)

Application

EP 04078312 A 20010524

Priority

- EP 01944170 A 20010524
- US 20698000 P 20000525

Abstract (en)

This invention provides polymer filaments having a multilobal cross-section. The cross-section can have a lobe angle is \leq about 15 DEG and has a denier of less than about 5 dpf. The filaments may be used as-spun as a spin-oriented feed yarn or as a partially-oriented yarn. The multifilament yarns made from these filaments are useful to make articles with subdued luster and low glitter. <IMAGE>

IPC 1-7

D01D 5/253; **D01F 6/62**; **D01F 8/14**

IPC 8 full level

D01D 5/253 (2006.01); **D01F 6/62** (2006.01); **D01F 8/14** (2006.01)

CPC (source: EP)

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Citation (applicant)

- US 5108838 A 19920428 - TUNG WAE-HAI [US]
- US 5176926 A 19930105 - TUNG WAE-HAI [US]
- US 5208106 A 19930504 - TUNG WAE-HAI [US]
- US 4041689 A 19770816 - DUNCAN PATRICK JOSEPH, et al
- US 3691749 A 19720919 - MCKAY JERRY BRUCE
- US 3994122 A 19761130 - SHAH CHANDRAKANT S
- US 5948528 A 19990907 - HELMS JR CHARLES F [US], et al
- US 5288553 A 19940222 - COLLINS ROBERT J [US], et al
- US 5607765 A 19970304 - HANSEN STEVEN M [US], et al
- US 4529368 A 19850716 - MAKANSI MUNZER [US]
- US 4156071 A 19790522 - KNOX BENJAMIN H [US]
- US 5250245 A 19931005 - COLLINS ROBERT J [US], et al
- US 5286553 A 19940215 - HARAGUCHI KEIICHI [JP], et al
- US 4687610 A 19870818 - VASSILATOS GEORGÉ [US]
- US 4691003 A 19870901 - SZE BENJAMIN C [US]
- US 5141700 A 19920825 - SZE BENJAMIN C [US]
- US 5034182 A 19910723 - SZE BENJAMIN C [US], et al
- US 5824248 A 19981020 - SWEET GREGORY EUGENE [US], et al
- US 3454460 A 19690708 - BOSLEY DAVID EMERSON

Citation (search report)

- [X] US 3097416 A 19630716 - MCKINNEY ALFRED HENDERSON [US]
- [X] US 3508390 A 19700428 - BAGNALL HARRY R, et al
- [DX] US 4041689 A 19770816 - DUNCAN PATRICK JOSEPH, et al
- [X] PATENT ABSTRACTS OF JAPAN vol. 016, no. 283 (C - 0955) 24 June 1992 (1992-06-24)

Cited by

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