Title (en)
CONJUGATE FILAMENTS AND PROCESS FOR PRODUCING SAME

Publication
EP 0123667 A3 19860205 (EN)

Application
EP 84870051 A 19840410

Priority
US 48411083 A 19830411

Abstract (en)
[origin: EP0123667A2] Conjugate filaments are prepared by a spinstretch process wherein two polymers having different terminal velocity distances are melt spun at a spinning speed of at least 1829 mpm to form filaments in which the polymers are arranged in an eccentric configuration along the length of the filaments and then the filaments are stretched in-line at a stretch ratio greater than 1.0 prior to their being collected. According to a preferred embodiment, the polymers consist of two nylon 66 polymers having different relative viscosities and the spinning conditions are selected to provide filaments having a high level of high-load crimp and a low level of boiling water shrinkage which render the filaments particularly useful in the construction of stretch garments and, especially, ladies' leg hose and pantyhose.

IPC 1-7
D01F 8/12; D01D 5/32

IPC 8 full level
D01D 5/30 (2006.01); **D01D 5/32** (2006.01); **D01F 8/12** (2006.01); **D01F 8/14** (2006.01)

CPC (source: EP KR)
D01D 5/30 (2013.01 - KR); **D01D 5/32** (2013.01 - EP); **D01F 8/12** (2013.01 - EP); **D01F 8/14** (2013.01 - EP)

Citation (search report)
- [A] GB 2007588 A 19790523 - RHONE POULENC TEXTILE
- [A] US 3675408 A 19720711 - PACINI BURNO MARCIO, et al
- [AD] US 3418199 A 19681224 - ANTHONY ANTON, et al
- [AD] US 3399108 A 19680827 - HERBERT OLSON EARL

Cited by
CN111041577A; EP0200701A3; CN114775081A; EP0200703A3

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

DOCDB simple family (publication)
EP 0123667 A2 19841031; **EP 0123667 A3 19860205**; **EP 0123667 B1 19880824**; AR 231846 A1 19850329; AT E36729 T1 19880915; AU 2669584 A 19841018; BR 8401666 A 19841120; CA 1226113 A 19870901; DE 3473618 D1 19880929; DK 184784 A 19841012; DK 184784 D0 19840410; ES 531410 A0 19850616; ES 8506114 A1 19850616; FI 841410 A0 19840410; FI 841410 A 19841012; IL 71492 A0 19840731; JP S6028514 A 19850213; KR 840008703 A 19841217; KR 870000413 B1 19870309; NO 841416 L 19841012; ZA 842656 B 19841128

DOCDB simple family (application)
EP 84870051 A 19840410; AR 29623884 A 19840410; AT 84870051 T 19840410; AU 2669584 A 19840410; BR 8401666 A 19840410; CA 451617 A 19840410; DE 3473618 T 19840410; DK 184784 A 19840410; ES 531410 A 19840409; FI 841410 A 19840410; IL 7149284 A 19840410; JP 7169184 A 19840410; KR 840001877 A 19840410; NO 841416 A 19840410; ZA 842656 A 19840410