

Title (en)

Process for melt-spinning a splittable conjugate filament; self-texturing splittable conjugate filament; and method of splitting such a filament.

Title (de)

Verfahren zum Schmelzspinnen eines spaltbaren konjugierten Filamentes, selbstkräuselndes spaltbares konjugiertes Filament; Verfahren zum Spalten eines solchen Filamentes.

Title (fr)

Procédé de filage par fusion d'un filament conjugué susceptible de se fendre; filament conjugué, à frisure latente, susceptible de se fendre; procédé de refente d'un tel filament.

Publication

**EP 0013186 A1 19800709 (EN)**

Application

**EP 79303081 A 19791231**

Priority

US 84879 A 19790102

Abstract (en)

Self-texturing sub-filaments split from a conjugate filament. The conjugate filament is melt spun from dissimilar polymers, the spinning and quenching conditions being selected such that the conjugate filament has no substantial crimp while the sub-filaments split therefrom have substantial latent torqueless helical crimp. Preferably the conjugate filament is hollow. A preferred spinneret blank 22 has horse-shoe shaped slots 20 with recessed web regions 24. Two dissimilar polymers are fed as a sheath-core conjugate stream with polymer interface 20.

IPC 1-7

**D01D 5/30**; **D01D 5/24**

IPC 8 full level

**D01D 5/24** (2006.01); **D01D 5/30** (2006.01); **D01F 8/00** (2006.01); **D01F 8/04** (2006.01); **D01F 8/14** (2006.01)

CPC (source: EP KR)

**D01D 5/24** (2013.01 - EP); **D01D 5/30** (2013.01 - EP); **D01F 8/00** (2013.01 - KR)

Citation (search report)

- US 4051287 A 19770927 - HAYASHI KAZUSHIGE, et al
- US 3117906 A 19640114 - DAVID TANNER

Cited by

EP0074446A1; AU612918B2; US5093061A; EP0074445A1; FR2452535A1

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

**EP 0065788 A2 19821201**; **EP 0065788 A3 19841128**; CA 1145907 A 19830510; DE 2966478 D1 19840112; EP 0013186 A1 19800709; EP 0013186 B1 19831207; JP S55128016 A 19801003; KR 830001428 A 19830430; KR 840001633 B1 19841012

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**EP 82105614 A 19791231**; CA 342810 A 19791231; DE 2966478 T 19791231; EP 79303081 A 19791231; JP 17401479 A 19791228; KR 790004716 A 19791231