

Title (en)

Self crimping yarn, process for producing a self crimping yarn, and textured yarn having a wool-like hand.

Title (de)

Selbstkräuselndes Garn, dessen Herstellung und texturiertes Garn mit wolliger Griffigkeit.

Title (fr)

Fil se frisant, procédé pour sa fabrication et fil texturé ayant le toucher de la laine.

Publication

**EP 0009883 A1 19800416 (EN)**

Application

**EP 79301790 A 19790831**

Priority

US 94768778 A 19781002

Abstract (en)

A self-crimping continuous-filament yarn comprises latent-crimp filaments having a periodic variation in denier greater than +/- 15% about a mean value combined with filaments having a lower shrinkage than the latent-crimp filaments. Each of the latent-crimp filaments is made by converging two individual molten streams travelling at different velocities and quenching the resulting combined streams to form a combined filament. The lower-shrinkage filaments are spun simultaneously and both kinds of filaments are withdrawn at a common spinning speed in excess of 2200 meters per minute. On developing the crimp there is produced a novel yarn having high bulk and a wool-like hand comprising developed crimp filaments having a periodic variation in denier greater than +/- 15% about a mean value combined with longer filaments protruding from the yarn in loops.

IPC 1-7

**D02G 3/00**

IPC 8 full level

**D01D 5/20** (2006.01); **D01D 5/22** (2006.01); **D01D 5/253** (2006.01); **D01F 6/62** (2006.01); **D02G 1/00** (2006.01); **D02G 1/18** (2006.01); **D02G 3/04** (2006.01); **D02G 3/22** (2006.01)

CPC (source: EP KR)

**D01D 5/22** (2013.01 - EP); **D02G 1/00** (2013.01 - KR); **D02G 1/18** (2013.01 - EP); **D02G 3/22** (2013.01 - EP)

Cited by

EP0067557A3; US4562029A; EP0097142A3; FR2925072A1; EP0041820A1; US4661404A; US4720314A; EP0126519A3; SE2050822A1; SE544982C2; WO2022005383A1

Designated contracting state (EPC)

BE CH DE FR GB IT NL

DOCDB simple family (publication)

**EP 0009883 A1 19800416**; **EP 0009883 B1 19820728**; CA 1123280 A 19820511; DE 2963420 D1 19820916; JP S5551809 A 19800415; JP S648730 B2 19890215; KR 830001425 A 19830430; KR 840000347 B1 19840326

DOCDB simple family (application)

**EP 79301790 A 19790831**; CA 336733 A 19791001; DE 2963420 T 19790831; JP 12726079 A 19791001; KR 790003383 A 19790929