

Title (en)

Apparatus for texturizing continuous-filament yarns.

Title (de)

Vorrichtung zum Texturieren von Endlos-Filamentfäden.

Title (fr)

Machine à texturer les fils de filaments continus.

Publication

EP 0212175 A1 19870304 (DE)

Application

EP 86109102 A 19860703

Priority

CH 305985 A 19850715

Abstract (en)

[origin: US4782566A] An arrangement for texturizing continuous filament threads using a heated flowing medium comprises a housing which includes a feeding portion, a treatment portion and a crimping portion. The crimping portion includes a stuffing chamber in which the threads are longitudinally compressed to produce crimping of such threads. The crimping portion has openings through which the medium fed into the stuffing chamber with the threads can escape from the stuffing chamber. The crimping portion accommodates a plurality of lamellae which are arranged in a star-like configuration and jointly bound the stuffing chamber. A jet introduces a gas stream into the stuffing chamber in a direction which differs from the direction of advancement of the threads through the stuffing chamber, the gas stream penetrating between the lamellae into the stuffing chamber. At the commencement of the crimping operation, this gas stream causes initial retardation of the continuous thread passing through the stuffing chamber. This action of the gas stream can be continued even during the normal operation of the crimping arrangement.

Abstract (de)

Eine Vorrichtung zum Texturieren von Endlos-Filamentfäden umfaßt eine Fadeneinführungsteil (2), einen Behandlungsteil (4) sowie einen Kräuselteil (8). Der Kräuselteil (8) ist als sog. Schlitzdüse mit Lamellen (10) versehen, welche wie in Fig. 2 gezeigt, sternförmig angeordnet sind. Erfindungsgemäß ist im weiteren ein Düsenteil 50 mit einer Injektionsdüse 59 vorgesehen, mittels welcher Druckgas zwischen den Lamellen 10 hindurch in einen Stauchraum 11 geblasen werden kann, um bei Beginn der Kräuselung die Initialstauung für die Kräuselung der sich im Stauchraum 11 befindlichen Endlos-Filamentfäden zu verursachen.

IPC 1-7

D02G 1/12

IPC 8 full level

D02G 1/16 (2006.01); **D02G 1/12** (2006.01)

CPC (source: EP US)

D02G 1/122 (2013.01 - EP US)

Citation (search report)

- [XD] CH 527931 A 19720915 - NEUMUENSTER MASCH APP [DE]
- [X] FR 2304699 A1 19761015 - BASF FARBEN & FASERN [DE]
- [X] FR 2253857 A1 19750704 - ICI LTD [GB]

Cited by

DE10043002A1; EP0554642A1; US6543104B2

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0212175 A1 19870304; EP 0212175 B1 19891018; DE 3666468 D1 19891123; JP 2673259 B2 19971105; JP S6221826 A 19870130; US 4782566 A 19881108

DOCDB simple family (application)

EP 86109102 A 19860703; DE 3666468 T 19860703; JP 15633086 A 19860704; US 7983187 A 19870730