

Title (en)

Method for the spinning, drawing and winding up of a synthetic yarn

Title (de)

Verfahren zum Spinnen, Verstrecken und Aufspulen eines synthetischen Fadens

Title (fr)

Procédé pour le filage, l'étirage et le bobinage d'un fil synthétique

Publication

**EP 0731196 B1 19990506 (DE)**

Application

**EP 96102184 A 19960214**

Priority

- DE 19506369 A 19950223
- DE 19526106 A 19950718
- DE 19530818 A 19950823
- DE 19542699 A 19951116

Abstract (en)

[origin: EP0731196A1] A process for spinning, drawing and winding a synthetic thread includes subjecting the thread (1) to heat treatment between drawing and winding to minimise tendency to shrink. The thread is led close to, but not touching a long heated surface at a temp. pref. 100 K, more pref. between 200 and 300 K higher than the thread m.pt. and is subject to a tension lower than that to cause plastic deformation, i.e. pref. less than 0.3, more pref. between 0.1 and 0.2 cN/dtex. The wound thread has a tendency to heat, or boiling, shrinkage of more than 3%. Also claimed is a machine for the process comprising an unheated Godet wheel (54) for drawing off the thread from the stretching zone and, following the Godet wheel and before winding, a heater (8) providing the long heated surface at the temp. required.

IPC 1-7

**D02J 13/00**

IPC 8 full level

**D02J 13/00** (2006.01)

CPC (source: EP)

**D01D 10/02** (2013.01); **D02J 1/22** (2013.01); **D02J 1/224** (2013.01); **D02J 13/00** (2013.01); **D02J 13/001** (2013.01); **D02J 13/005** (2013.01)

Cited by

DE10213921B4; CN115354403A; CN113043583A; CN113481686A; CN115182077A; WO2010023081A1

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

**EP 0731196 A1 19960911**; **EP 0731196 B1 19990506**; CN 1065006 C 20010425; CN 1138111 A 19961218

DOCDB simple family (application)

**EP 96102184 A 19960214**; CN 96102506 A 19960216