

Title (en)

Process for producing a thread of polyamide-6.

Title (de)

Verfahren zur Herstellung eines Polyamid-6-Fadens.

Title (fr)

Procédé pour la fabrication d'un fil de polyamide-6.

Publication

EP 0283097 A2 19880921 (EN)

Application

EP 88200494 A 19880317

Priority

IT 1977587 A 19870320

Abstract (en)

Process for producing an interlaced and stretched thread of polyamide-6, which comprises the following steps, carried out in sequence: (a) extrusion from molten polyamide-6 through the bores of a spinneret; (b) cooling of the extruded filaments by means of an air stream; (c) union of the cooled filaments to form a bundle of filaments (the thread) and simultaneous application of a finish liquid; (d) interlacing of the thread treated with the finish liquid; (e) stretching of the interlaced thread between a collection roll and a stretching roll, carried out in the absence of heating; (f) relaxation of the interlaced and stretched thread by means of treatment with superheated steam; (g) winding on a bobbin of the steamed thread. e

IPC 1-7

D01D 5/16; **D01D 10/02**; **D01F 6/60**

IPC 8 full level

D01D 5/16 (2006.01); **D01D 10/02** (2006.01); **D01F 6/60** (2006.01)

CPC (source: EP)

D01D 5/16 (2013.01); **D01D 10/02** (2013.01); **D01F 6/60** (2013.01); **D02J 1/08** (2013.01)

Cited by

FR2750144A1; WO9736736A1; WO9748840A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR LI LU NL SE

DOCDB simple family (publication)

EP 0283097 A2 19880921; **EP 0283097 A3 19900725**; AR 242271 A1 19930331; BR 8801341 A 19881101; IT 1203844 B 19890223; IT 8719775 A0 19870320

DOCDB simple family (application)

EP 88200494 A 19880317; AR 31035488 A 19880318; BR 8801341 A 19880321; IT 1977587 A 19870320