

Title (en)

PROCESS FOR THE PREPARATION OF HIGH-DENSITY POLYACRYLONITRILE FIBRES

Publication

EP 0145917 A3 19850925 (DE)

Application

EP 84113236 A 19841103

Priority

DE 3341277 A 19831115

Abstract (en)

[origin: EP0145917A2] 1. A process for the production of polyacrylonitrile filaments having a density $\geq 1.220 \text{ g/cm}^3$ from polymers containing at least 85% by weight of acrylonitrile units by dry spinning a spinning solution, optionally washing the spun filaments and subsequently drawing and heating the filaments, wherein a) hydroxylamine or a hydroxylamine salt and an amine are added to the spinning solution b) drawing is carried out in a ratio of 1:4 to 1:12, and c) the drawn material is exposed to a contact heat of from 150 to 300 degrees C, preferably from 160 to 220 degrees C, for at least 100 seconds on hot contact surfaces.

IPC 1-7

D01F 6/18

IPC 8 full level

D01F 6/18 (2006.01); **D02J 1/22** (2006.01); **D02J 13/00** (2006.01)

CPC (source: EP)

D01F 6/18 (2013.01)

Citation (search report)

- [X] DE 2158798 A1 19720629 - KANEGAFUCHI SPINNING CO LTD
- [A] FR 2069071 A5 19710903 - ROLLS ROYCE
- [A] CHEMICAL ABSTRACTS, Band 69, Nr. 19, 4. November 1968, Seite 7348, Nr. 78386z, Columbus, Ohio, US; & JP-Y1-43 000 552 (RAYON CO., LTD.) 11.01.1968

Designated contracting state (EPC)

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DOCDB simple family (publication)

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