

Title (en)

PROCESS FOR THE PREPARATION OF HIGH-DENSITY POLYACRYLONITRILE FIBRES

Publication

EP 0145917 B1 19880420 (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.

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IPC 8 full level

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