

Title (en)

METHOD FOR PRODUCING OF DRY-SPUN POLYACRYLONITRILE FILAMENTS AND FIBRES WITH A SHAPED CROSS-SECTION

Publication

EP 0051189 B1 19850807 (DE)

Application

EP 81108416 A 19811016

Priority

DE 3040970 A 19801030

Abstract (en)

[origin: US4810448A] A process for the production of acrylonitrile fibers and filaments having a precise cross-sectional profile in which filament-forming synthetic polymers are dry-spun from a solution having a viscosity of at least 120 falling ball seconds, measured at 80 DEG C., or a viscosity of at least 75 falling ball seconds, measured at 100 DEG C. Such solution is dry-spun through one or more nozzles. The nozzle hole are of the profile nozzles being less than 0.2 mm² and the lateral width being less than 0.17 mm.

IPC 1-7

D01D 5/253; **D01F 6/18**

IPC 8 full level

D01D 5/04 (2006.01); **D01D 5/253** (2006.01); **D01F 6/18** (2006.01); **D01F 6/38** (2006.01)

CPC (source: EP US)

D01D 5/253 (2013.01 - EP US); **D01F 6/18** (2013.01 - EP US)

Cited by

DE3541034A1; DE3541034C2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0051189 A1 19820512; **EP 0051189 B1 19850807**; **EP 0051189 B2 19900704**; DE 3040970 A1 19820603; DE 3171719 D1 19850912; JP H0214443 B2 19900409; JP S57106713 A 19820702; US 4810448 A 19890307

DOCDB simple family (application)

EP 81108416 A 19811016; DE 3040970 A 19801030; DE 3171719 T 19811016; JP 17314481 A 19811030; US 4189087 A 19870422