

Title (en)  
DRY-SPUN POLYACRYLONITRILE FILAMENTS AND FIBRES WITH A SHAPED CROSS-SECTION, AND PROCESS FOR MANUFACTURING THEM

Publication  
**EP 0051189 B2 19900704 (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 bass 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)  
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