

Title (en)
CONTINUOUS PROCESS FOR DRY-SPINNING ACRYLONITRILE FILAMENTS AND FIBRES

Publication
EP 0098477 B1 19851204 (DE)

Application
EP 83106170 A 19830624

Priority
DE 3225266 A 19820706

Abstract (en)
[origin: US4457884A] Ready-for-despatch filaments and fibres made of acrylonitrile polymers which contain at least 40% by weight of acrylonitrile units can be prepared from a spinning solution in a continuous dry-spinning method in which (a) the spinning solution spun has a viscosity at 100 DEG C. of 10 to 60 falling-ball seconds, (b) the evaporation of the solvent in the spinning cell is controlled in such a way that on leaving the spinning cell the solvent content of the filaments is at most 40% by weight, relative to the solids content of the fibre, (c) before the stretch the filaments are treated with a spin-finish which contains a lubricant and an antistat and gives the filaments a moisture content of at most 10% by weight, relative to the solids content of the fibre, and (d) before the stretch the filaments have no contact with any other extraction liquid for the spinning solvent.

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D01F 6/18; **D01D 5/04**

IPC 8 full level
D01D 5/04 (2006.01); **D01F 6/18** (2006.01); **D01F 6/38** (2006.01)

CPC (source: EP US)
D01D 5/04 (2013.01 - EP US); **D01F 6/18** (2013.01 - EP US)

Cited by
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EP 0098477 A1 19840118; **EP 0098477 B1 19851204**; **EP 0098477 B2 19920701**; DE 3225266 A1 19840112; DE 3225266 C2 19901108; DE 3361408 D1 19860116; JP H0413442 B2 19920309; JP S5921711 A 19840203; US 4457884 A 19840703

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