

Title (en)

PROCESS FOR THE PREPARATION OF POLYKETONE FIBRES.

Title (de)

VERFAHREN ZUR HERSTELLUNG VON POLYKETONFASERN.

Title (fr)

PROCEDE POUR LA PREPARATION DE FIBRES DE POLYCETONE.

Publication

**EP 0679201 A1 19951102 (EN)**

Application

**EP 94904651 A 19940107**

Priority

- EP 9400061 W 19940107
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Abstract (en)

[origin: WO9416127A1] It has been found that fibres can be spun in a simple manner from polyketone polymer solutions by making a thermoreversible gel from a solution of polyketone and a solvent for the polymer having a boiling temperature above 443 K, a melting temperature below 373 K, and a polymer dissolving temperature above 443 K. The thermoreversible gel forms as the solution is cooled. Because of the specific properties of the solvent in combination with the concentration of the polymer and its intrinsic viscosity, a permanently orientable thermoreversible gel is formed by cooling. The polymer crystallises on being cooled, optionally while still in the presence of the solvent. Preferably, so much polymer is dissolved as will give a product of the polymer concentration and  $[\eta]$  (wherein  $[\eta]$  represents the intrinsic viscosity of the polymer) of higher than 0,35 (dl/g) <0,5>.

IPC 1-7

**D01F 6/30**

IPC 8 full level

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