

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 [η] <0,5> (wherein [η] represents the intrinsic viscosity of the polymer) of higher than 0,35 (dl/g) <0,5>.

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D01F 6/30

IPC 8 full level
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WO 9416127 A1 19940721; AT E167534 T1 19980715; BR 9405807 A 19951219; CA 2153583 A1 19940721; CN 1116435 A 19960207; DE 69411146 D1 19980723; DE 69411146 T2 19990107; EP 0679201 A1 19951102; EP 0679201 B1 19980617; ES 2120008 T3 19981016; JP 3411279 B2 20030526; JP H08507328 A 19960806; RU 2121017 C1 19981027; RU 95116596 A 19970610; UA 42708 C2 20011115

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