

Title (en)

A spinning process for producing high strength, high modulus, low shrinkage synthetic yarns.

Title (de)

Verfahren zum Spinnen von synthetischen Fasern mit hoher Festigkeit, hohem Modul und niedrigem Schrumpf.

Title (fr)

Procédé de filage de fibres synthétiques ayant une haute ténacité, un haut module et une faible rétraction.

Publication

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Application

EP 91304190 A 19910509

Priority

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Abstract (en)

A process for spinning an organic synthetic melt spinnable polymer is disclosed herein. The process includes the steps of: extruding the polymer through a spinneret (16); passing the filaments from the spinneret through an elongated zone (18); maintaining the filaments at a temperature above the glass transition temperature of the polymer within the zone; and thereafter converging the filaments. Alternatively, the process includes the steps of: extruding the polymer through a spinneret; providing an elongated zone having a length of at least 5 meters or means for controlling the temperature within said zone from a predetermined maximum to a predetermined minimum; passing the filaments through the zone; and thereafter converging the filaments. <IMAGE>

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