Title (en)
POLY(TRIMETHYLENE) TEREPHTHALATE TEXTILE STAPLE PRODUCTION

Title (de)
POLY(TRIMETHYLENE) TEREPHTHALATE TEXTIL STAPELFASERHERSTELLUNG

Title (fr)
PRODUCTION DE FIBRES TEXTILES COURTES A PARTIR DE POLY(TRIMETHYLENE) TEREPHTALATE

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Application
EP 01920379 A 20010315

Priority
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Abstract (en)
[origin: WO0168962A2] A process for making textile staple fibre from polytrimethylene terephthalate (PTT) which comprises: (a) melt extruding PTT polymer at 245 to 253 DEG C, (b) spinning the extruded PTT into yarn using at least one spinneret, (c) moving the spun yarn to a first takeup roll wherein the distance from the spinneret to the roll is from 16 to 20 feet, (d) cooling the spun yarn to less than 31 DEG C before it reaches the roll, (e) prior to the draw process, preconditioning the yarn under tension at a temperature of at least 60 DEG C, (f) drawing the yarn at a temperature of at least 60 DEG C, (g) allowing the drawn yarn to relax at a temperature of up to 190 DEG C, and (h) crimping the drawn yarn at a temperature of 70 to 120 DEG C, and decreasing the drawn yarn feed denier into the crimper by 10 to 60 percent by denier.

IPC 1-7
D01G 1/10; D01D 5/00

IPC 8 full level
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