

Title (en)

METHOD AND DEVICE FOR MELT-SPINNING AND CUTTING A TOW

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SCHMELZSPINNEN UND ZERSCHNEIDEN EINES SPINNKABELS

Title (fr)

PROCEDE ET INSTALLATION DE FILAGE PAR FUSION ET DE DECOUPAGE D'UN CABLE DE FILAMENTS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2004007817A1] The invention relates to a method and a device for melt-spinning and cutting a tow for producing staple fibers. According to the invention, a plurality of filament strands is spun using a spinning device and is combined to give a tow. After several treatment steps in several treatment devices the tow is cut in a continuous process to give a staple fiber after spinning. In a treatment device, the tow is guided across a plurality of drawing rollers and is drawn, the tow being treated with a fluid in a treatment line formed between the drawing rollers. In order to reduce especially the problem of irregularities of the physical properties of the fibers in a one-step process, the tow is treated with steam. For this purpose, the tow is guided in a treatment line between drawing rollers through a steam chamber to which a nozzle leads that introduces the steam into the steam chamber under excess pressure.

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