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

EP 1520065 B1 20070328 (DE)

Application

EP 03740395 A 20030701

Priority

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- EP 0306983 W 20030701

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.

IPC 8 full level

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