

Title (en)

METHOD AND MELTING SPINNING DEVICE FOR PREPARING A CRIMPED MULTICOLORED COMPOSITE YARN

Title (de)

VERFAHREN UND SCHMELZSPINNVORRICHTUNG ZUR HERSTELLUNG EINES GEKRÄUSELTEL MEHRFARBIGEN VERBUNDFADENS

Title (fr)

PROCÉDÉ ET DISPOSITIF DE FILAGE DE FUSION POUR LA PRÉPARATION D'UN FIL COMPOSITE MULTICOLORÉ FRISÉ

Publication

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Application

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Abstract (en)

[origin: WO2018219751A1] The invention relates to a method for producing a crimped, multicolored composite thread in a melt spinning method and to a melt spinning apparatus for carrying out the method. According to the invention, a plurality of colored filament bundles are initially extruded separately, cooled and each combined into a partial thread. The partial threads are then separately pre-swirled and stretched individually or as a partial composite thread formed from a plurality of partial threads. A separate post-swirling of individual partial threads or of the partial composite thread and a separate crimping of the partial threads or of the partial composite thread then occurs. After the crimping, the partial threads and the partial composite thread are combined into a composite thread and wound into a coil. The melt spinning apparatus according to the invention has a pre-swirling apparatus having a plurality of swirling nozzles, a post-swirling device having a plurality of post-swirling nozzles and a crimping device having a plurality of texturing nozzles, wherein the nozzles are designed such that an individual partial thread or a partial composite thread formed from a plurality of partial threads can optionally be processed.

IPC 8 full level

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