

Title (en)
METHOD AND DEVICE FOR PRODUCING AN HMLS YARN

Title (de)
VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES HMLS GARNES

Title (fr)
PROCEDE ET INSTALLATION DE FABRICATION D'UN FIL HMLS

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Application
EP 12745993 A 20120723

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Abstract (en)
[origin: WO2013013332A1] The invention relates to a method and to a device for producing an HMLS yarn from a polyester melt (PET). The device comprises a spinning apparatus having a spinneret for extruding and a quench box for cooling a plurality of filament strands, a device for applying a spinning preparation and for combining the filament strands to form one thread, a winding apparatus and a drafting zone for drawing the thread that is provided between the spinning apparatus and the winding apparatus. The drafting zone is formed by a feed roller pair arranged downstream of the spinning apparatus and subsequent four to six drafting roller pairs. The first drafting roller pairs are provided with a heating apparatus and the last drafting roller pair is provided with a cooling apparatus. At least one of the two rollers of each drafting roller pair is provided with a heating or cooling apparatus. The speed with which the feed roller pair draws off the thread from the spinning apparatus is between 400 m/min and 600 m/min.

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