

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

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

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

Publication  
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Application  
**EP 12745993 A 20120723**

Priority  
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• CH 2012000173 W 20120723

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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CPC (source: EP)  
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• WO 2004011702 A1 20040205 - KOLON INC [KR], et al  
• US 4374797 A 19830222 - KOSCHINEK GUENTER [DE], et al  
• EP 1382724 B1 20090415 - HYOSUNG CORP [KR]

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DOCDB simple family (publication)  
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