Title (en)

DEVICE AND METHOD FOR THE HEAT TREATMENT OF THREAD, ESPECIALLY FOR AIR BUBBLE TEXTURING

Title (de)

VORRICHTUNG UND VERFAHREN ZUR THERMISCHEN BEHANDLUNG VON GARN INSBESONDERE ZUR LUFTBLASTEXTURIERUNG

Title (fr)

DISPOSITIF ET PROCEDE POUR LE TRAITEMENT THERMIQUE DE FIL, NOTAMMENT POUR LA TEXTURATION PAR AIR

Publication

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Application

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Abstract (en)

[origin: WO2005038106A1] The invention relates to a device and a method for the heat treatment of filament thread in a vapour pressure zone by means of vapour. Said device comprises a thread guiding element provided with a inlet throttle and an outlet throttle for the vapour pressure zone. The thread guiding element is embodied as a channel and comprises three channel regions: a vapour pressure channel part, an inlet labyrinth, and an outlet labyrinth. The thread guiding element can be entirely freed for the insertion of the thread and can be moved into an open threading position and a closed operating position. The inventive method is used for the thermal treatment of filament thread by means of compressed vapour. According to said method, for the thermal treatment, the thread is continuously guided through a thread guiding element of a vapour treatment stage at an excess pressure of between 0.1 and 30 bar.

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