Title (en)

DEVICE FOR THERMALLY CUTTING A RUNNING TEXTILE WEB

Title (de)

VORRICHTUNG ZUM THERMISCHEN SCHNEIDEN EINER LAUFENDEN TEXTILBAHN

Title (fr)

DISPOSITIF DE DÉCOUPE THERMIQUE DE BANDE TEXTILE CONTINUE

Publication

EP 2188435 B1 20101229 (DE)

Application

EP 08783456 A 20080822

Priority

- CH 2008000356 W 20080822
- CH 14142007 A 20070911

Abstract (en)

[origin: WO2009033300A1] In order to improve the quality of the cutting edge, particularly when the fabric thickness is changing, and to simplify the operation for the user, particularly when switching jobs, of a device for thermally cutting a running textile web made of meltable material, it is proposed to determine the target cutting temperature based on textile parameters in a controller (9) for the electrically heated severing units (1) that are typically powered by a commercial power supply unit (7) and are used for cutting the textile web (2) and to transmit it to the severing units (1) by means of a transmission device via contact rails (4). Each severing unit (1) has a dedicated temperature control device, by means of which the temperature can be controlled at the severing point in accordance with the specified target value, and a cutting wire (3) with a temperature-dependent electric resistor as the severing element. For this purpose, the current cutting temperature is determined and regulated based on the electric resistance of the cutting wire (3).

IPC 8 full level

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