

Title (en)
METHOD FOR COOLING A MOVING METAL BELT

Title (de)
VERFAHREN ZUR KÜHLUNG EINES BEWEGLICHEN METALLBANDES

Title (fr)
PROCEDE DE REFROIDISSEMENT D'UNE BANDE METALLIQUE EN DEFILEMENT

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Application
EP 10702914 A 20100107

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Abstract (en)
[origin: WO2010079445A1] The present invention relates to a method for cooling a moving metal belt (2) in a continuous processing line by spraying a gas, a liquid, or a mixture consisting of gas and liquid onto the belt, the processing line including a cooling section (1) followed by a downstream section (4), the inlet (4a) of the downstream section corresponding to the outlet (1b) of the cooling section, wherein according to said method: the change in the temperature cross-section of the belt between the inlet (4a) and the outlet (4b) of the downstream section (4) is evaluated; the temperature cross-section suitable for the inlet of the downstream section is deduced, on the basis of a desired temperature cross-section at the outlet of the downstream section (4), in order to obtain the desired cross-section at the outlet; and the cooling capacity of the cooling section (1) is adjusted according to the width of the belt and over the length of the cooling section, while taking into the account the temperature cross-section of the belt at the inlet of the cooling section, so that the cooling makes it possible to obtain the aforementioned temperature cross-section at the outlet of the cooling section.

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