

Title (en)
METHOD AND SECTION FOR COOLING A MOVING METAL BELT BY SPRAYING LIQUID

Title (de)
VERFAHREN UND ABSCHNITT ZUR KÜHLUNG EINES BEWEGLICHEN METALLBANDES MITTELS AUFSPRÜHEN EINER FLÜSSIGKEIT

Title (fr)
PROCÉDÉ ET SECTION DE REFROIDISSEMENT D'UNE BANDE MÉTALLIQUE EN DÉFILEMENT PAR PROJECTION D'UN LIQUIDE

Publication
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Application
EP 10702917 A 20100107

Priority

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Abstract (en)
[origin: WO2010079452A1] The invention relates to a method for monitoring the cooling of a moving metal belt (B) in a cooling section of a continuous processing line by spraying a liquid or a mixture consisting of a gas and a liquid onto the belt, the cooling depending on parameters including the temperature, speed, and current characteristics of a cooling fluid, wherein according to said method: one or more areas are determined in which cooling parameters are such that the local removal of a vapor film on the surface of the hot belt is carried out or capable being carried out, leading to the redampening of the belt; and at least the temperature of the cooling liquid is adjusted as a cooling parameter in the thus-determined area(s) so as to maintain, or return to, a cooling into a vapor film on the surface of the belt, thus resulting in the overheating of the cooling liquid contacting the hot belt.

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Citation (examination)

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