

Title (en)  
METHOD FOR ADJUSTING THE PROPERTIES OF A HOT-ROLLED STRIP HAVING A SPECIFIC CHEMICAL COMPOSITION IN A HOT STRIP MILL

Title (de)  
VERFAHREN ZUR EINSTELLUNG DER EIGENSCHAFTEN EINES WARMBANDES MIT EINER BESTIMMTEN CHEMISCHEN ZUSAMMENSETZUNG IN EINER WARMBANDSTRAÙE

Title (fr)  
PROCÉDÉ DE CORRECTION DES PROPRIÉTÉS D'UNE BANDE LAMINÉE À CHAUD AYANT UNE COMPOSITION CHIMIQUE SPÉCIFIQUE DANS UN LAMINOIR À CHAUD

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Application  
**EP 21823198 A 20211122**

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Abstract (en)  
[origin: WO2022106707A1] The invention relates to a method for adjusting at least one property, in particular the grain size and/or the recrystallization behavior, of a hot-rolled strip in a hot strip mill. The aim of the invention is to allow predefined target values to be achieved for the hot-rolled strip with smaller tolerances. This aim is achieved in that, in accordance with the method according to the invention, the actual values for the property of the hot-rolled strip are determined continuously during the hot-rolling process in the hot strip mill. In addition, a process model connected to a higher-level open-loop or closed-loop control system of the hot strip mill determines at least one hot-rolled strip deviation (x) between the continuously determined actual value and the specified target value for the at least one property of the hot-rolled strip and/or determines at least one roll deviation between the actual value measured during the hot-rolling process and the specified target value of the hot-rolling process. In addition, the process model determines modified new target values for the hot-rolling process on the basis of the hot-rolled strip deviation and/or the roll deviation and while taking into account the material- and system-related possibilities and transfers these values to the open-loop or closed-loop control system of the units involved in the hot-rolling process.

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