

Title (en)

METHOD FOR SETTING DIFFERENT COOLING COURSES FOR ROLLED MATERIAL OVER ITS WIDTH IN A COOLING LINE OF A HOT-STRIP MILL OR HEAVY-PLATE MILL

Title (de)

VERFAHREN ZUR EINSTELLUNG VERSCHIEDENER KÜHLVERLÄUFE VON WALZGUT ÜBER DESSEN BREITE IN EINER KÜHLSTRECKE EINER WARMBAND- ODER GROBBLECH-STRASSE

Title (fr)

PROCÉDÉ POUR LE RÉGLAGE DE DIFFÉRENTS PROGRAMMES DE REFROIDISSEMENT D'UN PRODUIT LAMINÉ SUR SA LARGEUR DANS UNE LIGNE DE REFROIDISSEMENT D'UN LAMINOIR DE BANDE À CHAUD OU DE TÔLES FORTES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2020169669A1] 1. A method for setting different cooling rates over the strip width of a cooling stretch in a hot-strip mill or heavy-plate mill. 2.1. A method for setting different cooling rates of metal strips or metal plates (rolling material) over the strip width of a cooling stretch in a hot-strip mill or heavy-plate mill. 2.2 According to the method, for the calculation of the cooling rate, the initial enthalpy distribution over the material width of the rolling material before the cooling is determined, and, proceeding therefrom, a target enthalpy distribution is determined in the width direction and length direction of the rolling material while taking into account a calculation of the flatness and the mechanical properties by means of a microstructure model, and subsequently the coolant amount and the coolant curve of the cooling stretch are set. 3. See figure 1.

IPC 8 full level

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