

Title (en)

ADJUSTMENT OF AN OUTLET TEMPERATURE OF A METAL STRIP EXITING A ROLLING TRAIN

Title (de)

EINSTELLUNG EINER AUSLAUFTEMPERATUR EINES AUS EINER WALZSTRAßE AUSLAUFENDEN METALLBANDS

Title (fr)

RÉGLAGE D'UNE TEMPÉRATURE DE SORTIE D'UNE BANDE MÉTALLIQUE QUITTANT UN TRAIN DE LAMINAGE

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Application

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Abstract (en)

[origin: WO2021099052A1] The invention relates to a method for adjusting an outlet temperature of a metal strip (2) exiting an at least two-stand rolling train (3), wherein the outlet temperature is adjusted by means of a process model, taking into account a relationship between strip shaping and/or a rate of cooling the metal band (2) by means of at least one cooling medium and at least one fixed rolling train component and/or a rolling speed in a final rolling stand (7) of the rolling train (3), and the outlet temperature. In order to provide a method which can be implemented in a cost-effective manner, after an intervention-related deviation between the strip shaping and/or the rolling speed in the final rolling stand (7) and set values for the strip shaping and/or the rolling speed in the final rolling stand (7), which values are contained in the relationship, is determined using the process model, a deviation of the outlet temperature, which is associated with the intervention-related deviation, is determined from a target temperature contained in the relationship by means of the process model, wherein the strip shaping in the final rolling stand (7) and in one or more upstream rolling stands (5, 6) of the rolling train (2) is changed by means of the process model depending on the deviation in the outlet temperature in such a way that the outlet temperature corresponds to the target temperature.

IPC 8 full level

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