

Title (en)

METHOD AND DEVICE FOR PREPARING HOT-ROLLING STOCK

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUFBEREITEN VON WARMWALZGUT

Title (fr)

PROCÉDÉ ET DISPOSITIF SERVANT À PRÉPARER UN PRODUIT DE LAMINAGE À CHAUD

Publication

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Application

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Abstract (en)

[origin: WO2010115698A1] The invention relates to a method and to a device for preparing hot-rolling stock before shaping in a rolling stand or rolling relay (16). The aim of the invention is to create a method and a device having high energy efficiency and high descaling performance by means of which rolling stock can be produced at high quality. This aim is achieved by a method according to the invention wherein the rolling stock (6) is heated in an induction furnace (7) and then descaled before the rolling stock (14) is rolled in a rolling stand or a rolling relay (16), wherein the heated rolling stock (10) is descaled by at least one rotating water stream from a rotating descaling device (13); at least one temperature each of the descaled rolling stock (14) is then registered by a temperature measurement device (15) and supplied to a controller (18); and the controller (18) determines at least one variable (21) with the help of a control rule and in consideration of a target temperature and supplies a control organ, wherein at least one inductor of the induction furnace (7) is activated such that the temperature of the descaled rolling stock (14) corresponds to the target temperature as much as possible.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (opposition)

Opponent :

- JP 2004136291 A 20040513 - NIPPON STEEL CORP
- JP H10230313 A 19980902 - NIPPON KOKAN KK

Cited by

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