

Title (en)

METHOD AND DEVICE FOR PRETREATING A ROLLED GOOD BEFORE HOT ROLLING

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VORBEHANDLUNG EINES WALZGUTS VOR DEM WARMWALZEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE PRÉTRAITEMENT D'UN PRODUIT À LAMINER AVANT LE LAMINAGE À CHAUD

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Application

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Abstract (en)

[origin: WO2012168141A1] The invention relates to a method and a device for pretreating a rolled good (3). The aim of the invention is to find a method and a device with which the rolled good (3) can be both energy-efficiently heated and thoroughly descaled before hot rolling. Said problem is solved by the following method steps: preheating the rolled good (3) in a preheating furnace (4) by a plurality of burners (11); descaling the preheated rolled good (3) in a descaling device (5); heating the descaled rolled good (3) in a heating furnace by means of a plurality of burners (11), wherein the burners substoichiometrically burn a carbon carrier so that the rolled good (3) is held in a reducing atmosphere in the heating furnace (7) by the exhaust (12, 13) created during combustion; introducing a first part of the exhaust (12) and oxygen (15) into the preheating furnace (4); post-combusting the first part of the exhaust (12) in the preheating furnace (4), wherein the volume of oxygen (15) is chosen so that the rolled good (3) is held in an oxidizing atmosphere in the preheating furnace (4).

IPC 8 full level

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