Title (en)

EQUIPMENT FOR PREHEATING A CONTINUOUSLY MOVING STEEL STRIP

Title (de)

AUSRÜSTUNG ZUR VORERWÄRMUNG VON KONTINUIERLICH BEWEGLICHEM BANDSTAHL

Title (fr)

INSTALLATION DE PRÉCHAUFFAGE D'UNE BANDE D'ACIER EN DÉFILEMENT CONTINU

Publication

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Application

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Abstract (en)

[origin: WO2011072883A1] The invention relates to equipment and a method for preheating a continuously moving steel strip, in particular before feeding same into a continuous annealing or hot-dip galvanizing furnace. The preheating equipment involves the continuous movement of the steel strip in a preheating chamber including a preheating circuit consisting of at least one preheating tube, the inner surface of which is in contact with externally-recovered burnt gases (e.g. from the furnace). A portion of the outer surface of the preheating tube is arranged directly opposite a surface of the strip in order to provide a first preheating mode by irradiating heat onto the strip and the walls of the chamber, and a second preheating mode, mainly by means of convection, of a gas constituting a controlled atmosphere in the preheating chamber.

IPC 8 full level

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