

Title (en)

METHOD AND DEVICE FOR REGULATING THE COOLING AND ENERGY RECOVERY OF A STEEL STRIP IN AN ANNEALING OR GALVANISATION PHASE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR REGELUNG DER ABKÜHLUNG UND ENERGIERÜCKGEWINNUNG EINES STAHLBANDS IN EINER GLÜH- ODER GALVANISIERUNGSSTUFE

Title (fr)

PROCEDE ET DISPOSITIF DE REGULATION DE REFROIDISSEMENT ET DE RECUPERATION D' ENERGIE D' UNE BANDE D' ACIER EN PHASE DE RECUIT OU DE GALVANISATION

Publication

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Application

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Priority

FR 2008001132 W 20080729

Abstract (en)

[origin: WO2010012869A1] The invention relates to a method and a device for adjusting the cooling of a steel strip in an annealing or galvanisation phase. The device is suitable for the forced cooling of a steel strip (B) continuously running in a plant adapted for the continuous annealing or the continuous tempering galvanisation, and comprises: at least one exchange member (51, 5142) for transferring the heat of the steel strip to a cooling water and including an outlet (51422) for the cooling water thus heated up; at least one cooling unit (52) comprising a sealed enclosure (521) connected to the outlet (51422) of the exchange member (5142) and including at least one outlet (5211) to a Venturi effect device such as a vapour outlet ejector (522), and in which the cooling water itself is subjected to a vacuum-vaporisation cooling; and an auxiliary outlet (5213) of the sealed enclosure (521) connected to an inlet (51421) of the exchange member (51, 5142).

IPC 8 full level

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