

Title (en)
METHOD FOR LOWERING DEW POINT OF ATMOSPHERE GAS WITHIN ANNEALING FURNACE, DEVICE THEREOF, AND METHOD FOR PRODUCING COLD-ROLLED ANNEALED STEEL SHEET

Title (de)
VERFAHREN ZUM SENKEN DES TAUPUNKTES VON UMGEBUNGSGAS IN EINEM GLÜHOFEN, VORRICHTUNG DAFÜR UND VERFAHREN ZUR HERSTELLUNG VON KALTGEWALZTEM GEGLÜHTEM STAHLBLECH

Title (fr)
PROCÉDÉ POUR RÉDUIRE LE POINT DE ROSÉE DE GAZ AMBIANT DANS UN FOUR DE RECUIT, DISPOSITIF ASSOCIÉ, ET PROCÉDÉ DE PRODUCTION DE TÔLE D'ACIER RECUIT LAMINÉE À FROID

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Application
EP 13776255 A 20130405

Priority
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Abstract (en)
Part of an atmosphere gas in a heating zone 1 and/or a soaking zone is sucked out and is cooled through a high-temperature gas passage of a heat exchanger 9 by heat exchange with a gas in a low-temperature gas passage, is then further cooled by mixing with part of an atmosphere gas in a cooling zone 2, is then further cooled through a gas cooler 10, is then dehumidified to a dew point of -45°C or less in a dryer 11, is then heated through the low-temperature gas passage of the heat exchanger 9 by heat exchange with a gas in the high-temperature gas passage, and is returned to the heating zone 1 and/or the soaking zone. These can achieve a low dew point of -45°C or less with high energy efficiency.

IPC 8 full level
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