

Title (en)
METHOD FOR MANUFACTURING HOT-DIP GALVANIZED STEEL SHEET

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES FEUERVERZINKTEN STAHLBLECHS

Title (fr)
PROCÉDÉ DE FABRICATION DE TÔLE D'ACIER GALVANISÉE PAR TREMPAGE À CHAUD

Publication
EP 3369836 A1 20180905 (EN)

Application
EP 16859230 A 20160805

Priority
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Abstract (en)
A method of producing a hot-dip galvanized steel sheet whereby favorable coating appearance can be obtained with high coating adhesion even in the case of hot-dip galvanizing a steel strip whose Si content is 0.2 mass% or more is provided. The method includes: annealing a steel strip by conveying the steel strip through a heating zone, a soaking zone, and a cooling zone in this order inside an annealing furnace; and applying a hot-dip galvanized coating onto the steel strip discharged from the cooling zone. Reducing gas or non-oxidizing gas supplied into the soaking zone includes humidified gas and dry gas. While a width and a sheet passing speed of the steel strip passing through the soaking zone are constant, a variation of pressure in the annealing furnace is suppressed by adjusting a flow rate of the dry gas, and a variation range of an amount of moisture supplied into the soaking zone by the humidified gas is limited to 20 % or less.

IPC 8 full level
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CPC (source: EP KR US)
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