

Title (en)

METHOD AND SYSTEM OF TREATING A CARBON STEEL STRIP, ESPECIALLY FOR A PICKLING TREATMENT

Title (de)

VERFAHREN UND SYSTEM ZUR BEHANDLUNG EINES KOHLENSTOFFSTAHLSTREIFENS, INSBESONDERE FÜR BEIZBEHANDLUNG

Title (fr)

PROCÉDÉ ET SYSTÈME PERMETTANT UN TRAITEMENT D'UNE BANDE D'ACIER AU CARBONE, EN PARTICULIER UN TRAITEMENT DE DÉCAPAGE

Publication

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Application

**EP 15804431 A 20151202**

Priority

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Abstract (en)

[origin: EP3029163A1] The present invention relates to method for treating a steel strip by means of a treatment liquid in a treatment station, the treatment station comprising at least a spray section, an immersion section, and a common collection means for the treatment liquid, wherein the steel strip comprises carbon steel and is a continuous steel strip being oriented substantially horizontally, both in its longitudinal and transverse directions, wherein the steel strip has a top surface and a bottom surface, wherein the method comprises transporting the steel strip continuously through the treatment station in a transport direction, the transport direction being parallel to the longitudinal direction of the steel strip, such that -- in a first step, the treatment liquid is sprayed onto the top surface of the steel strip and onto the bottom surface of the steel strip while the steel strip being in the spray section of the treatment station, -- in a second step, the steel strip is immersed in the treatment liquid while the steel strip being in the immersion section of the treatment station, wherein, while treating the steel strip, the treatment liquid is continuously pumped out of the common collection means and through both the spray section and the immersion section of the treatment station, wherein spraying of the treatment liquid onto the top and bottom surfaces of the steel strip is provided using spray nozzles.

IPC 8 full level

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Citation (search report)

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