

Title (en)

Method for applying an aqueous treatment solution to the surface of a moving steel strip

Title (de)

Verfahren zum Auftragen einer wässrigen Behandlungslösung auf die Oberfläche eines bewegten Stahlbands

Title (fr)

Procédé d'application d'une solution de traitement aqueuse à la surface d'une bande d'acier mobile

Publication

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Application

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Priority

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Abstract (en)

[origin: CA2851472A1] The invention concerns a method for the application of an aqueous treatment solution onto the surface of a steel strip (1) that is moved, at a prespecified strip speed, in a direction of movement of the strip, with the following steps: - drying of the moving steel strip (1) with a gas flow; - application of the aqueous solution on at least one surface of the steel strip (1) with a rotary sprayer (2) with several spray rotors (3) that are situated next to one another, transverse to the direction of movement of the strip, to which the aqueous treatment solution is supplied and which are rotated by a drive, so as to spray the treatment solution, as a result of centrifugal force, in the form of a spray jet, onto the surface of the steel strip (1) and, there, to form a wet film of the aqueous treatment solution; - equalization of the applied wet film of the aqueous treatment solution by means of driven smoothing rollers (5; 5a, 5b); - drying of the applied wet film of the aqueous treatment solution. The invention also concerns an apparatus for the carrying out of the method.

IPC 8 full level

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