

Title (en)

METHOD AND DEVICE FOR TREATING A METAL STRIP

Title (de)

VORRICHTUNG UND VERFAHREN ZUR NACHBEHANDLUNG EINES METALLBANDES

Title (fr)

DISPOSITIF ET PROCÉDÉ DESTINÉS AU POST-TRAITEMENT D'UNE BANDE MÉTALLIQUE

Publication

EP 2766511 A1 20140820 (DE)

Application

EP 12772925 A 20121011

Priority

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- EP 2012070132 W 20121011
- EP 12772925 A 20121011

Abstract (en)

[origin: EP2581474A1] The device for post-treating a pickled metal strip (2), is claimed, where the metal strip coming from a pickling zone is moved in continuous operation through a rinsing zone (4) in which residues of a pickling agent adhering to a surface (14) of the metal strip are removed by spraying the metal strip with a rinsing fluid, where a device (8) for generating a liquid mist (9) is provided in the rinsing zone. The surface of the metal strip is moistened in the event of an interruption of the continuous operation or of a sharply reduced speed of the metal strip. The device for post-treating a pickled metal strip (2), is claimed, where the metal strip coming from a pickling zone is moved in continuous operation through a rinsing zone (4) in which residues of a pickling agent adhering to a surface (14) of the metal strip are removed by spraying the metal strip with a rinsing fluid, where a device (8) for generating a liquid mist (9) is provided in the rinsing zone. The surface of the metal strip is moistened in the event of an interruption of the continuous operation or of a sharply reduced speed of the metal strip. The rinsing zone is composed of rinsing stages switched one after the other. The device is provided in one of the rinsing steps, arranged at side walls of the rinsing step, and formed by spraying nozzles that are arranged in the side walls of the rinsing step. The spraying nozzles are arranged above and below a plane given by a pass line of the metal strip, and a spray beam is directed transverse to a strip feed direction. The spraying nozzles arranged in the device are designed as two-substance nozzles. An independent claim is included for a method for post-treating a metal strip.

IPC 8 full level

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CPC (source: EP US)

B08B 3/02 (2013.01 - EP US); **B08B 3/022** (2013.01 - EP US); **B08B 3/041** (2013.01 - US); **C23G 3/029** (2013.01 - EP US)

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See references of WO 2013053804A1

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