Title (en)

METHOD AND SYSTEM FOR HOT-DIP COATING HOT-ROLLED STEEL STRIPS

Title (de)

VERFAHREN UND ANLAGE ZUM SCHMELZTAUCHBESCHICHTEN VON WARMGEWALZTEM STAHLBAND

Title (fr)

PROCÉDÉ ET INSTALLATION DE REVÊTEMENT AU TREMPÉ À CHAUD DE FEUILLARD D'ACIER LAMINÉ À CHAUD

Publication

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Application

EP 15702989 A 20150121

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Abstract (en)

[origin: WO2015110490A1] The invention relates to a method and a system (1; 100) for producing hot-dip coated hot-rolled steel strips (2), preferably in a continuous processing line, comprising a strip pre-treating device (3) for scaling, preferably by means of a pickling, rinsing, and drying process, cold-working devices (8; 11) for reducing the strip thickness, preferably by cold-rolling the strip, and a subsequent post-treatment device, for example for a stretch-bending alignment and/or a chemical post-treatment. In order to allow valuable, zinced strips and strip surfaces to be achieved, the strip pre-treating device (3) for the descaled hot strip is first followed by the thickness-reducing device (8), in which the strip thickness is reduced by less than 30%, preferably 0.5 to 10%, and the thickness-reducing device is then followed by the strip-zincing device (7), in which the hot strip is subjected to a molten bath (9).

IPC 8 full level

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Citation (opposition)

Opponent : Andritz AG

- KR 100985349 B1 20101004
- EP 1681363 A1 20060719 - NIPPON STEEL CORP [JP]
- CN 1315886 A 20011003 - KAWASAKI HEAVY IND LTD [JP]
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Opponent : Primetals Technologies France SAS,

- KR 100985349 B1 20101004
- WO 0003816 A1 20000127 - KAWASAKI HEAVY IND LTD [JP]
- WO 2013103125 A1 20130711 - NIPPON STEEL & SUMITOMO METAL CORP [JP]
- EP 2801637 A1 20141112 - NIPPON STEEL & SUMITOMO METAL CORP [JP]
- US 8163348 B2 20120424 - KLOECKNER HANS-GEORG [DE], et al

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