

Title (en)

METHOD AND DEVICE FOR DESCALING A SCALED METAL STRIP

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ZUNDERBRECHEN EINES ZUNDERBEHAFTETEN METALLBANDES

Title (fr)

PROCÉDÉ ET DISPOSITIF DE DÉCALAMINAGE D'UNE BANDE MÉTALLIQUE CALAMINÉE

Publication

EP 2838676 A1 20150225 (DE)

Application

EP 13714641 A 20130404

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Abstract (en)

[origin: WO2013156316A1] The invention relates to a method for descaling a scaled metal strip, in particular a hot-rolled metal strip with a thickness of more than 1 mm, for example 1.2 mm to 16 mm. The strip is guided around at least two straightening rollers which are arranged one behind the other in the strip running direction and undergoes an alternating bending in the process. At least one of the straightening rollers can be positioned transversely to the strip running direction. The method is characterized in that the strip is unstressed or is under a low tensile stress of less than 10% of the yield strength of the strip on the inlet side upstream of the straightening rollers, and the diameter of the straightening rollers, the spacing between same in the strip running direction, and the positioning of the rollers transverse to the strip running direction are selected while taking into consideration the strip properties such that expansions and compressions of at least 2%, preferably at least 3%, are produced in the course of a first plastic bending process and a second plastic bending process on the strip upper face and on the strip lower face for the purpose of descaling.

IPC 8 full level

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CPC (source: EP US)

B21B 45/06 (2013.01 - EP US); **B21B 2015/0071** (2013.01 - EP US); **Y10T 29/4517** (2015.01 - EP US)

Citation (search report)

See references of WO 2013156316A1

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