

Title (en)

METHOD FOR PROVIDING AT LEAST ONE WORK ROLL FOR ROLLING ROLLING STOCK

Title (de)

VERFAHREN ZUM BEREITSTELLEN MINDESTENS EINER ARBEITSWALZE ZUM WALZEN EINES WALZGUTS

Title (fr)

PROCÉDÉ DE FOURNITURE D'AU MOINS UN CYLINDRE DE TRAVAIL POUR LE LAMINAGE D'UN PRODUIT LAMINÉ

Publication

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Application

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Abstract (en)

[origin: WO2010118862A2] The invention relates to a method for providing at least one work roll (1, 2) for rolling strip-shaped rolling stock (3), wherein the work roll (1, 2) is provided to interact with a second roll (4, 5), particularly with an intermediate or backup roller and be supported by said second roll, wherein the second roll (4, 5) has a background area (6) in the axial end regions thereof. In order to improve the quality of a rolled strip, the method according to the invention provides the following steps: a) calculating the roll nip profile resulting between two interacting work rolls (1, 2), wherein a defined width of the rolling stock (3) is assumed, which extends at least partially into the region of the background area (6) of the second roll (4, 5); b) defining a desired rolling stock contour that is to be created by the rolling process when passing the work rolls (1, 2); c) calculating a compensation cut for the work roll (1, 2) by subtracting the defined rolling stock contour according to step b) from the roll nip profile according to step a) and multiplying the calculated difference with a damping factor (K); d) at least partially applying the compensation cut calculated according to step c) to at least one work roll (1, 2).

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