

Title (en)

PREVENTION OF WAVES IN THE ROLLING OF METAL STRIPS

Title (de)

VERMEIDUNG VON WELLEN BEIM WALZEN VON METALLBÄNDERN

Title (fr)

PROCÉDÉ PERMETTANT D'ÉVITER LES ONDULATIONS LORS DU LAMINAGE DES BANDES MÉTALLIQUES

Publication

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Application

**EP 19165536 A 20190327**

Priority

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Abstract (en)

[origin: WO2020193099A1] The invention relates to a control device (3b) for a roll stand (1), which control device receives, during rolling of a metal strip (2) in the roll stand (1), measurement data (M) for a lateral position (y) of the metal strip (2) on the inlet side and/or outlet side of the roll stand (1). A stand regulator (3a) of the control device (3b) determines, taking into account parameters (P) of the stand regulator (3a) on the basis of the deviation in the lateral position (y) from a target position (y\*), a tilt value ( $\delta s$ ) for the roll stand (1) and controls the roll stand (1) accordingly. The control device (3b) determines at least one variable (V1, V2, Q1, Q2) from which it is derived, for both strip edges (7, 8) of the metal strip (2), whether the metal strip (2) forms an undulation (9) in the region of the particular strip edge (7, 8). As soon as the metal strip (2) forms an undulation (9) in the region of one of the strip edges (7, 8), the control device (3b) varies at least one of the parameters (P) of the stand regulator (3a), such that the stand regulator (3a) determines the tilt value ( $\delta s$ ), starting from the variation in the at least one parameter (P), taking into account the changed parameter (P).

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