Title (en)

METHOD FOR GRINDING THE CONTOUR OF THE BODY OF A ROLL

Title (de)

VERFAHREN ZUM SCHLEIFEN DER KONTUR DES BALLENS EINER WALZE

Title (fr)

PROCÉDÉ POUR RECTIFIER LE PROFIL DE LA TABLE D'UN CYLINDRE

Publication

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Application

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Abstract (en)

[origin: WO2018095655A1] The invention relates to a method for grinding the contour of the body (110) of a roll (100), in particular a roll having a roll contour having a steep curve course in a roll stand for rolling metal strip, having the following steps: specifying a target contour for the body (110) of the roll and grinding the contour of the body (110) by guiding a grindstone (200) along a grindstone path D(x). In order to reduce grinding errors and grinding times, the method also provides the following steps according to the invention: determining a grinding error e or grinding error function E(x) at least over individual length segments of the body (110) in the axial direction x; calculating a correction curve C(x) at least over the individual length segments of the body (110) in the axial direction x, wherein the correction curve C(x) avoids the determined grinding error e; and calculating the grindstone path D(x) for guiding the grindstone (200) by superposing the target contour A(x)+B(x) for the body (110) with the correction curve C(x).

IPC 8 full level

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