

Title (en)

CHANGING THE EFFECTIVE CONTOUR OF A RUNNING SURFACE OF A WORKING ROLL DURING THE HOT ROLLING OF ROLLING STOCK IN A ROLL STAND TO FORM A ROLLED STRIP

Title (de)

VERÄNDERN DER EFFEKTIVEN KONTUR EINER LAUFFLÄCHE EINER ARBEITSWALZE WÄHREND DES WARMWALZENS EINES WALZGUTS IN EINEM WALZGERÜST ZU EINEM GEWALZTEN BAND

Title (fr)

MODIFICATION DU CONTOUR EFFECTIF D'UNE SURFACE DE ROULEMENT D'UN CYLINDRE DE TRAVAIL PENDANT LE LAMINAGE À CHAUD D'UN PRODUIT À LAMINER DANS UNE CAGE DE LAMINOIR EN UNE BANDE LAMINÉE

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Abstract (en)

[origin: WO2020156787A1] The present invention relates to a method and a device for changing the effective contour of a running surface (8) of a working roll (3, 4) during the hot rolling of rolling stock in a roll stand (2) to form a rolled strip (1). The problem addressed by the invention is that of allowing the contour of the running surface (8) to be changed during the hot rolling. Said problem is solved according to the invention by axially moving the working rolls (3, 4) in opposite directions by a movement distance (s), s being greater or less than (formula (I)), Δr indicating the wear of the running surface (8) in the radial direction (R) and α indicating the inclination angle of the conical portion (7) of the working roll (3, 4) in question.

IPC 8 full level

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