Title (en)
METHOD FOR SPECIFICALLY ADJUSTING THE SURFACE STRUCTURE OF ROLLING STOCK DURING COLD ROLLING IN SKIN PASS MILLS

Title (de)
VERFAHREN ZUR GEZIELTEN EINSTELLUNG DER OBERFLÄCHENSTRUKTUR VON WALZGUT BEIM KALTNACHWALZEN IN DRESSIER-WALZGERÜSTEN

Title (fr)
PROCEDE DE REGLAGE APPROPRIE DE LA STRUCTURE SUPERFICIELLE D'UN MATERIAU LAMINE DURANT UN LAMINAGE FINISSEUR A FROID DANS DES LAMINOIRS D'ECROUISSAGE

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Application
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Abstract (en)
[origin: WO02070160A2] The invention relates to a method for specifically adjusting the surface structure of rolling stock (3) during cold rolling in skin pass mills. The aim of the invention is to partially transfer the surface structure of the working roll (2) onto the rolling stock (3). To this end, the change of roughness of the rolling stock (3) in the rolling process of a single- or multiple-stand, preferably two-stand skin pass mill is calculated in an optimization calculation in which the rolling parameters are varied according to the mill capacity using a tribological model that mathematically describes the friction conditions in the roll gap (1). The results obtained are then used to readjust at least a part of the rolling parameters used for calculation.

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