

Title (en)

REDUCTION OF THE STRIP TENSION OF ROLLING STOCK BETWEEN TWO ROLLING UNITS TO A MINIMUM

Title (de)

MINIMIERUNG DES BANDZUGS EINES WALZGUTES ZWISCHEN ZWEI WALZEINHEITEN

Title (fr)

MINIMISATION DE LA TENSION DE BANDE D'UN PRODUIT À LAMINER ENTRE DEUX UNITÉS DE LAMINAGE

Publication

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Appication

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Abstract (en)

[origin: WO2011134811A2] The invention relates to the reduction of the strip tension of rolling stock (1) between two rolling units to a minimum. The aim of the invention is to reduce the strip tension between two subsequent rolling units in a simple manner. This aim is achieved by a method comprising the following steps: transporting, by means of a roll train (5), the rolling stock (1) between two rolling units (2, 25) which are in contact with the rolling stock, a rolling stock loop (6) being formed in a depression (26) which is arranged in a section (27) of the roll train (5) between the two rolling units (2, 25) and said rolling stock loop (6) being supported by the roll train in at least one off-center section (13, 14) of the section (27), the supporting line (23) of the roll train (5) in said section corresponding to the catenary curve of the free span; detecting a measuring value of a loop depth (18) of the rolling stock loop (6) by means of a measuring device (7); calculating a rated value of the loop depth (18) especially depending on the material, thickness and temperature of the rolling stock (1) so that the rated value substantially corresponds to the free span; and controlling the main drives and/or the gap adjustment of the rolling units (2, 25) by means of a control device (10) while taking into consideration the rated value and the measured value of the loop depth (18) such that the loop depth (18) preferably corresponds to the rated value.

IPC 8 full level

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