Title (en)

CONTROL METHOD AND CONTROL DEVICE FOR A ROLL STAND

Title (de)

REGELVERFAHREN UND REGLER FÜR EIN WALZGERÜST

Title (fr)

PROCEDE DE REGLAGE ET MECANISME DE REGLAGE POUR UNE CAGE DE LAMINOIR

Publication

EP 1711283 B1 20090916 (DE)

Application

EP 05707062 A 20050128

Priority

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Abstract (en)

[origin: WO2005072886A1] According to the invention, the thickness, traction forces and flatness is controlled by means of a single control device as part of an integrated, model-predictive thickness, traction and flatness control operation. The integrated control device takes into account the influence the adjustment of the control variables has on the thickness, the traction force and the flatness of the rolled strip and optimises the modifications of the control variable in such a way that a selected quality of the thickness and the flatness control is obtained. The quality of the thickness and the quality of the flatness control, which are weighted differently, can effect the quality function of the control device. The use of the integrated control device improves the performance and the stability of the control device in relation to the control devices which are arranged in a separate manner from each other.

IPC 8 full level

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