Title (en)

PROCESS AND SYSTEM FOR CONTROLLING OR PRE-SETTING A ROLL STAND

Title (de)

VERFAHREN UND EINRICHTUNG ZUR STEUERUNG BZW. VOREINSTELLUNG EINES WALZGERÜSTES

Title (fr)

PROCEDE ET DISPOSITIF POUR LA COMMANDE ET LE PREREGLAGE D'UNE CAGE DE LAMINOIR

Publication

EP 0994757 A1 20000426 (DE)

Application

EP 98940053 A 19980624

Priority

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Abstract (en)

[origin: DE19728979A1] A process is disclosed for controlling and/or pre-setting a roll stand for rolling a strip. The roll stand is controlled and/or preset depending on at least one of the following values: rolling force, rolling torque and peripheral precession, which are calculated by means of a roll model. The calculation of the rolling force, rolling torque and peripheral precession by means of the roll model is carried out as a function of at least the hardness of the strip or the friction between the strip and the rolls of the roll stand, which are used as input values for the roll model. At least one of the input values of the roll model or at least one of the output values of the roll model is determined or corrected by at least one neural network.

IPC 1-7 (main, further and additional classification)

B21B 37/00

IPC 8 full level (invention and additional information)

B21B 37/00 (2006.01); **B21B 37/52** (2006.01)

CPC (invention and additional information)

B21B 37/00 (2013.01); **B21B 37/52** (2013.01); B21B 2265/12 (2013.01); B21B 2265/20 (2013.01); B21B 2275/12 (2013.01)

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