

Title (en)

Interstand tension controller for a continuous rolling mill

Title (de)

Zugregelung zwischen den Gerüsten für ein kontinuierliches Walzwerk

Title (fr)

Système de réglage de tension entre les cages pour un laminoir continu

Publication

EP 0710513 A1 19960508 (EN)

Application

EP 94115882 A 19941007

Priority

- EP 94115882 A 19941007
- JP 25319993 A 19931008

Abstract (en)

An interstand tension controller for a continuous rolling mill having a plurality of rolling stands and provided with a looper (16) between the adjacent rolling stands (12, 13) controls two controlled variables, i.e., the interstand tension of the workpiece (10) and the looping angle of the looper (16), to adjust the measured interstand tension (σ_m) and the measured looping angle (θ_m) to desired values (σ_r , θ_r), has control loops that control the rotating speed of the rolls of the rolling stand and the looping torque or the looping speed of the looper (16) to regulate the interstand tension and the looping angle, estimates disturbances acting on the control loops, the variation of the characteristics of the controlled system and the interference between the control loops, and operates manipulated variables to offset the disturbances. <IMAGE>

IPC 1-7

B21B 37/50

IPC 8 full level

B21B 37/50 (2006.01)

CPC (source: EP)

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Citation (search report)

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