

Title (en)  
METHOD TO COMPENSATE THE INFLUENCE OF ROLL EXCENTRICITIES

Publication  
**EP 0170016 B1 19881207 (DE)**

Application  
**EP 85107336 A 19850613**

Priority  
DE 3424693 A 19840705

Abstract (en)  
[origin: US4685063A] A process and device for compensation of the effect of roll eccentricities upon thickness regulation of material being rolled in a roll stand (1), wherein eccentricity oscillations are simulated by a model (6) based on measured values of roll adjustment position (s), roll force (FW) and mean support roll speed (n), together with spring constants (CG, CM) for the roll stand and the material. An output signal ( DELTA R) of the model (6) is used to modify the thickness value (ha+ DELTA R) used for regulation, so as to compensate for the effect of roll eccentricity. The model may be implemented by a device (RECO) comprising pairs of oscillators (7), the phase and amplitude relationships of which are adjusted according to the observer principle.

IPC 1-7  
**B21B 37/00**

IPC 8 full level  
**B21B 37/00** (2006.01); **B21B 37/18** (2006.01); **B21B 37/66** (2006.01)

CPC (source: EP US)  
**B21B 37/66** (2013.01 - EP US)

Citation (examination)  
• US 3460365 A 19690812 - HOWARD DAVID ROBERT  
• US 3543549 A 19701201 - HOWARD DAVID ROBERT  
• JP S5581014 A 19800618 - TOKYO SHIBAURA ELECTRIC CO

Cited by  
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Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0170016 A1 19860205; EP 0170016 B1 19881207**; AT E39069 T1 19881215; CA 1234613 A 19880329; DE 3566627 D1 19890112; JP H0722768 B2 19950315; JP S6127114 A 19860206; US 4685063 A 19870804; ZA 855052 B 19860226

DOCDB simple family (application)  
**EP 85107336 A 19850613**; AT 85107336 T 19850613; CA 486294 A 19850704; DE 3566627 T 19850613; JP 14643085 A 19850703; US 75240785 A 19850705; ZA 855052 A 19850704