

Title (en)

Process and equipment for cold-rolling with compensation of the circularity error of the rolls

Title (de)

Verfahren und Anlage zum Kaltwalzen mit Ausgleich der Unrundheit der Walzen

Title (fr)

Procédé et installation de laminage à froid avec compensation d'ovalisation des cylindres de laminage

Publication

EP 0747143 B1 19990915 (FR)

Application

EP 96401181 A 19960603

Priority

FR 9506747 A 19950608

Abstract (en)

[origin: EP0747143A1] The rolling mill consists of stands (C1,C2,C3) situated one after the other for the steel strip to (B) pass through. The positions of the rollers in, at least, one of the stands, is modified in real time to compensate for ovalisation of the rollers. The adjustment of the roller positions is made on the basis of an analysis of a signal frequency corresponding to the rollers' rotation. The aim of the adjustment is to obtain a compensation signal which is in proportion to periodic variations in speed. The adjustment of the rollers is made by a compensating unit (P'2,P'3) which is connected to traction measurement detectors (T2,T3) in the form of deflection tensiometers between the stands.

IPC 1-7

B21B 37/18

IPC 8 full level

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CPC (source: EP US)

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