

Title (en)

Device for measuring load-related deformations of rolls disposed in strip rolling mills

Title (de)

Einrichtung zur Messung belastungsabhängiger Verformungen von in Bandwalzgerüsten eingebauten Walzen

Title (fr)

Dispositif pour la mesure des deformations dépendant de la charge des cylindres logés dans des cages de laminoir des bandes métalliques

Publication

EP 1452246 B1 20080213 (DE)

Application

EP 04003973 A 20040221

Priority

DE 20303173 U 20030227

Abstract (en)

[origin: EP1452246A2] Device for measuring the deformation of rollers in a continuous rolling device comprises measuring cartridges containing sensors for determining the deformation of the rollers arranged in at least one of the rollers. Preferred Features: The sensors are arranged on the longitudinal axis of the rollers or on one or more axes parallel to the longitudinal axis of the rollers. The sensors determine length changes and mechanical changes in voltage. The sensors are optical fiber sensors or laser/charge coupled device (CCD) arrays.

IPC 8 full level

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CPC (source: EP)

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