

Title (en)

Method for presetting and controlling the strip flatness during the flexible one-way and reversible rolling of a strip of material

Title (de)

Verfahren zur Voreinstellung und Regelung der Bandplanheit beim flexiblen Einweg- und Reversierwalzen einer bandförmigen Materialbahn

Title (fr)

Procédé pour le préréglage et la régulation de la planéité d'une bande pendant le laminage à sens unique et réversible d'un matériau en forme de bande

Publication

EP 1297908 B1 20040225 (DE)

Application

EP 01123512 A 20010929

Priority

EP 01123512 A 20010929

Abstract (en)

[origin: EP1297908A1] Process for pre-adjusting and regulating the strip flatness during rolling of a strip-like material comprises: determining the adjusting parameters by online access to a multi-dimensional data matrix produced using a FEM model for all adjusting regions of rolling force, rolling shift and bending regulation during rolling of a thickness incline to adjust a desired strip profile shape. <?>Preferred Features: The strip profile shapes for stepped adjusting regions of the rolling force, rolling shift and bending regulation are determined to reduce the data amounts of the data matrix.

IPC 1-7

B21B 37/24; **B21B 37/42**

IPC 8 full level

B21B 37/00 (2006.01); **B21B 37/24** (2006.01); **B21B 37/28** (2006.01); **B21B 37/42** (2006.01)

CPC (source: EP US)

B21B 37/24 (2013.01 - EP US); **B21B 37/42** (2013.01 - EP US)

Cited by

CN102581029A

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 1297908 A1 20030402; **EP 1297908 B1 20040225**; DE 50101564 D1 20040401; ES 2211712 T3 20040716; JP 2003112214 A 20030415; US 2003074941 A1 20030424; US 6779373 B2 20040824

DOCDB simple family (application)

EP 01123512 A 20010929; DE 50101564 T 20010929; ES 01123512 T 20010929; JP 2002284993 A 20020930; US 26022302 A 20020927