

Title (en)

A METHOD AND A DEVICE FOR CONTROLLING TAIL DIMENSIONS IN A ROLLING MILL

Title (de)

VERFAHREN UND VORRICHTUNG ZUR REGLUNG DER ABMESSUNGEN EINES WALZGUTENDES IN EINEM WALZWERK

Title (fr)

PROCEDE ET DISPOSITIF DE REGULATION DES DIMENSIONS DE FIN D'EBAUCHE DANS UN LAMINOIR

Publication

**EP 1097008 A1 20010509 (EN)**

Application

**EP 99933449 A 19990709**

Priority

- SE 9901248 W 19990709
- SE 9802493 A 19980710

Abstract (en)

[origin: WO0002678A1] A method for controlling the dimensions of an elongated material (6) rolled in a rolling mill comprising at least three mill stands (1, 2, 3) arranged after each other, wherein a first stand (1) is arranged upstream of a second stand (2), which is arranged upstream of a third stand (3). Each of said stands comprises two spaced rolls (4, 5). Said elongated material is fed between the rolls of each stand by rotating the rolls, wherein an interstand tension is controlled between at least two of said stands. A tail (7) of the rolled material (6) is detected leaving the first stand, and after said detection, a back tension control between the first (1) and the second stand (2) is switched off for the period while the tail (7) travels between the first stand and the second stand, and a front tension control between the second (2) and the third stand (3) is switched on for the period while the tail travels between the first stand and the second stand.

IPC 1-7

**B21B 37/72**

IPC 8 full level

**B21B 37/48** (2006.01); **B21B 37/00** (2006.01); **B21B 37/52** (2006.01); **B21B 37/72** (2006.01); **B21B 1/18** (2006.01)

CPC (source: EP)

**B21B 37/52** (2013.01); **B21B 37/72** (2013.01); **B21B 1/18** (2013.01); **B21B 2261/08** (2013.01); **B21B 2265/04** (2013.01); **B21B 2265/06** (2013.01); **B21B 2265/08** (2013.01); **B21B 2273/16** (2013.01)

Cited by

CN101563174A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0002678 A1 20000120**; AT E233134 T1 20030315; AU 4950299 A 20000201; DE 69905578 D1 20030403; EP 1097008 A1 20010509; EP 1097008 B1 20030226; JP 2002520160 A 20020709; SE 513923 C2 20001127; SE 9802493 D0 19980710; SE 9802493 L 20000310

DOCDB simple family (application)

**SE 9901248 W 19990709**; AT 99933449 T 19990709; AU 4950299 A 19990709; DE 69905578 T 19990709; EP 99933449 A 19990709; JP 2000558928 A 19990709; SE 9802493 A 19980710