

Title (en)

METHOD FOR CALIBRATING TWO INTERACTING WORKING ROLLERS IN A ROLLING STAND

Title (de)

VERFAHREN ZUM KALIBRIEREN ZWEIER ZUSAMMENWIRKENDER ARBEITSWALZEN IN EINEM WALZGERÜST

Title (fr)

PROCÉDÉ D'ÉTALONNAGE DE DEUX CYLINDRES DE TRAVAIL COOPÉRANT ENTRE EUX DANS UNE CAGE DE LAMINOIR

Publication

**EP 2379243 A2 20111026 (DE)**

Application

**EP 09799266 A 20091217**

Priority

- EP 2009009078 W 20091217
- DE 102008063514 A 20081218
- DE 102009030792 A 20090627

Abstract (en)

[origin: WO2010069575A2] The invention relates to a method for calibrating a rolling stand (3), wherein in order to determine the relative pivot position of the roller set for setting a symmetrical roll gap and/or for determining the extension of the rolling stand (3) before the actual rolling process, the roller set is pressed against each other under a radial preset force and the resulting deformation of the rolling stand is preferably measured on the piston-cylinder unit (6, 7). The pivot position of the roller set and/or the frame module (M) determined based thereon are mathematically used during the subsequent rolling of a rolling stock between the working rollers (1, 2) for adjusting the roller set. In order to attain a higher accuracy during rolling, the invention provides for the working rollers (1, 2) to be axially adjustable relative to each other starting from a zero position that is not axially displaced, wherein the determination of the pivot position for setting a symmetrical roll gap and/or the determination of the frame module (M) are carried out in a relative displacement position of the working rollers (1, 2) that is not equal to the zero position (calibration position), wherein the determined pivot position and/or the value for the frame module (M) are stored and mathematically used for further calculating the pivot position and/or the adjustment of the roller set during rolling of the rolling stock.

IPC 8 full level

**B21B 38/10** (2006.01)

CPC (source: EP KR US)

**B21B 37/58** (2013.01 - KR); **B21B 38/10** (2013.01 - KR); **B21B 38/105** (2013.01 - EP US); **B21B 13/142** (2013.01 - EP US); **B21B 31/18** (2013.01 - EP US); **B21B 37/58** (2013.01 - EP US); **B21B 37/64** (2013.01 - EP US); **B21B 2269/14** (2013.01 - EP US)

Citation (search report)

See references of WO 2010069575A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**DE 102009030792 A1 20100624**; CN 102256717 A 20111123; CN 102256717 B 20131106; EP 2379243 A2 20111026; EP 2379243 B1 20140212; JP 2012512030 A 20120531; JP 5679985 B2 20150304; KR 101299946 B1 20130826; KR 20110058897 A 20110601; RU 2011129595 A 20130127; RU 2476280 C1 20130227; UA 101541 C2 20130410; US 2011247391 A1 20111013; US 8939009 B2 20150127; WO 2010069575 A2 20100624; WO 2010069575 A3 20100819

DOCDB simple family (application)

**DE 102009030792 A 20090627**; CN 200980152742 A 20091217; EP 09799266 A 20091217; EP 2009009078 W 20091217; JP 2011541214 A 20091217; KR 20117009054 A 20091217; RU 2011129595 A 20091217; UA A201108870 A 20091217; US 200913141034 A 20091217