Title (en)

AUTOMATIC GUIDE ADJUSTMENT FROM FEEDBACK OF ROLLING PARAMETERS

Title (de)

AUTOMATISCHE FÜHRUNGSEINSTELLUNG AUS RÜCKKOPPLUNG VON ROLLPARAMETERN

Title (fr)

RÉGLAGE AUTOMATIQUE DE GUIDE BASÉ SUR LA RÉTROACTION DE PARAMÈTRES DE LAMINAGE

Publication

EP 3131689 A1 20170222 (EN)

Application

EP 15715647 A 20150402

Priority

- US 201414255123 A 20140417
- US 2015024036 W 20150402

Abstract (en)

[origin: US2015298187A1] In a rolling mill in which a hot rolled product is directed by a guide along a delivery path into a roll pass aligned on a mill pass line, a control system is disclosed for correcting any transverse misalignment of the delivery path with respect to the mill pass line. The system compromises an adjustment mechanism for shifting the guide transversely with respect to the mill pass line. Detectors measure a selected parameter indicative of the transverse misalignment and generate status signals representative thereof. A controller responds to the status signals and automatically and remotely operates the adjustment mechanism to correct the misalignment by transversely shifting the guide with respect to the mill pass line.

IPC 8 full level

B21B 39/16 (2006.01)

CPC (source: EP US)

B21B 37/68 (2013.01 - US); **B21B 39/14** (2013.01 - US); **B21B 39/165** (2013.01 - EP US); B21B 1/18 (2013.01 - EP US); B21B 27/024 (2013.01 - EP US); B21B 38/00 (2013.01 - EP US); B21B 2015/0021 (2013.01 - EP US)

Citation (search report)

See references of WO 2015160526A1

Citation (examination)

- JP H0615334 A 19940125 - KAWASAKI STEEL CO
- WO 2014097177 A1 20140626 - DANIELI OFF MECC [IT]
- WO 2013124833 A1 20130829 - DANIELI OFF MECC [IT]

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2015298187 A1 20151022; EP 3131689 A1 20170222; WO 2015160526 A1 20151022

DOCDB simple family (application)

US 201414255123 A 20140417; EP 15715647 A 20150402; US 2015024036 W 20150402