

Title (en)

Control method for a device that affects a milling product

Title (de)

STEUERVERFAHREN FÜR EINE BEEINFLUSSUNGSEINRICHTUNG FÜR EIN WALZGUT

Title (fr)

Procédé de commande pour un dispositif d'influence destiné à un produit de laminage

Publication

EP 2452233 A1 20120516 (DE)

Application

EP 10729838 A 20100628

Priority

- EP 2010059133 W 20100628
- EP 09164842 A 20090708
- EP 10729838 A 20100628

Abstract (en)

[origin: EP2280323A1] The method involves adapting a partial model by a control device using deviation of captured measurement variables from model parameters, which are derived using a time curve of property of a rolled product. The partial model and another partial model are adapted by optimizing a cost function, where a penalty term, which depends on the adaptation of the latter partial model, is included in the cost function. The deviation of the measurement variables from the model parameters is included in the cost function. Independent claims are also included for the following: (1) a control program comprising a set of instructions for performing a method for controlling an influencing device that influences a rolled product (2) a control device for an influencing device.

IPC 8 full level

B21B 37/74 (2006.01); **B21B 37/00** (2006.01); **B21B 38/00** (2006.01); **B21B 38/08** (2006.01); **G05B 13/04** (2006.01)

CPC (source: EP)

B21B 37/00 (2013.01); **G05B 13/04** (2013.01); **B21B 37/74** (2013.01); **B21B 38/006** (2013.01); **B21B 38/08** (2013.01); **B21B 2261/20** (2013.01); **B21B 2265/12** (2013.01); **B21B 2275/12** (2013.01)

Citation (search report)

See references of WO 2011003765A1

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2280323 A1 20110202; CN 102473003 A 20120523; CN 102473003 B 20160120; EP 2452233 A1 20120516; WO 2011003765 A1 20110113

DOCDB simple family (application)

EP 09164842 A 20090708; CN 201080030875 A 20100628; EP 10729838 A 20100628; EP 2010059133 W 20100628