Title (en)

METHOD FOR LEVELLING A STRIP-LIKE OR SHEET FLAT PRODUCT IN A LEVELLING MACHINE WITH OVERLAPPING ROLLERS AND LEVELLING INSTALLATION THEREFOR

Title (de)

VERFAHREN ZUM RICHTEN EINES BAND- ODER FLÄCHENFÖRMIGEN FLACHEN PRODUKTS IN EINER RICHTMASCHINE MIT ÜBERLAPPENDEN ROLLEN UND RICHTANLAGE DAFÜR

Title (fr)

PROCÉDÉ DE PLANAGE D'UN PRODUIT PLAT SOUS FORME DE BANDE OU DE TÔLE DANS UNE MACHINE À PLANER À ROULEAUX IMBRIQUÉS ET INSTALLATION DE PLANAGE PERMETTANT LA MISE EN OEUVRE DU PROCÉDÉ

Publication

EP 1951455 B1 20090506 (FR)

Application

EP 06831122 A 20061115

Priority

- FR 2006002525 W 20061115
- FR 0511930 A 20051122

Abstract (en)

[origin: FR2893520A1] The control of the overlapping of levelling rollers in a planishing machine consists of : (A) measuring at least the overall value of the torques transmitted to the planishing rollers by the motors; (B) determining the actual value of the torques used for planishing the product; (C) comparing the determined value with a reference value of the torque provided by a pre-regulation model; (D) acting on the members regulating the roller overlap to maintain the value of the determined torque at a reference value. An independent claim is also included for a device for regulating the roller overlap by this method comprising a circuit (105) for regulating the speed of the rollers and a circuit (104) for regulating the overlap acting on the position of the rollers.

IPC 8 full level

B21D 1/02 (2006.01)

CPC (source: EP US)

B21D 1/02 (2013.01 - EP US)

Cited by

US10537923B2; EP4049770A1; US11752533B2; EP2058059B1; EP2058059B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2893520 A1 20070525; **FR 2893520 B1 20090515**; AT E430634 T1 20090515; BR PI0618909 A2 20110913; CN 101312797 A 20081126; CN 101312797 B 20130102; DE 602006006715 D1 20090618; EP 1951455 A1 20080806; EP 1951455 B1 20090506; ES 2326922 T3 20091021; JP 2009516592 A 20090423; JP 5452930 B2 20140326; PL 1951455 T3 20091030; US 2010058823 A1 20100311; US 8127580 B2 20120306; WO 2007060310 A1 20070531

DOCDB simple family (application)

FR 0511930 A 20051122; AT 06831122 T 20061115; BR PI0618909 A 20061115; CN 200680043691 A 20061115; DE 602006006715 T 20061115; EP 06831122 A 20061115; ES 06831122 T 20061115; FR 2006002525 W 20061115; JP 2008541783 A 20061115; PL 06831122 T 20061115; US 9418506 A 20061115