

Title (en)  
METHOD FOR PROCESSING MILLED GOODS IN A ROLLING MILL

Title (de)  
VERFAHREN ZUM BEARBEITEN VON WALZGUT IN EINEM WALZWERK

Title (fr)  
PROCÉDÉ DE TRAITEMENT DE PRODUITS LAMINÉS DANS UN LAMINOIR

Publication  
**EP 2861360 B1 20161102 (DE)**

Application  
**EP 13729682 A 20130612**

Priority

- EP 12178196 A 20120727
- EP 2013062141 W 20130612
- EP 13729682 A 20130612

Abstract (en)  
[origin: EP2689864A1] The method involves performing rolling torque-pre control of a drive by a torque-forming current (I), which is supplied to the drive, for reducing a rotational speed undershoot of the drive, where the rotational speed undershoot is caused by an anticipated load torque acting on the drive. The load torque caused by a rolling process is precontrolled in the drive. The current is stepwise increased for precontrolling the drive. The load torque is corrected by evaluation of rotational speed or torque actual values.

IPC 8 full level  
**B21B 37/46** (2006.01); **H02P 6/08** (2006.01)

CPC (source: CN EP)  
**B21B 37/46** (2013.01 - CN EP); **B21B 35/02** (2013.01 - CN EP); **B21B 35/04** (2013.01 - CN EP); **B21B 2275/04** (2013.01 - CN EP); **B21B 2275/10** (2013.01 - CN EP); **B21B 2275/12** (2013.01 - CN EP)

Citation (opposition)  
Opponent : SMS group GmbH

- DE 19726586 A1 19990107 - SIEMENS AG [DE]
- DE 4132825 A1 19920416 - TOSHIBA KAWASAKI KK [JP], et al
- DE 19624717 A1 19970206 - GFM GMBH [AT]
- DE 2413492 A1 19751002 - SIEMENS AG
- DE 757704 C 19530323 - SIEMENS AG
- DE 3426698 C2 19910704
- JP 2005046898 A 20050224 - JFE STEEL KK
- JP H06218416 A 19940809 - KAWASAKI STEEL CO
- JP 2005254289 A 20050922 - JFE STEEL KK
- JP H04361813 A 19921215 - KOBE STEEL LTD
- WO 2011054461 A2 20110512 - SMS MEER GMBH [DE], et al
- BABA KAZUSHI ET AL.: "Development of Computer Control Techniques for Tan- dem Mill with Grooved Rolls", KAWASAKI STEEL TECHNICAL REPORT, vol. 16, June 1987 (1987-06-01), pages 21 - 30, XP055405994

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

DOCDB simple family (publication)  
**EP 2689864 A1 20140129**; CN 104428075 A 20150318; CN 104428075 B 20160727; EP 2861360 A1 20150422; EP 2861360 B1 20161102; WO 2014016043 A1 20140130

DOCDB simple family (application)  
**EP 12178196 A 20120727**; CN 201380036366 A 20130612; EP 13729682 A 20130612; EP 2013062141 W 20130612