

Title (en)  
METHOD FOR GUIDING A CAST MATERIAL OUT OF A CASTING CHAMBER OF A CASTING SYSTEM, AND CASTING SYSTEM FOR CASTING A CAST MATERIAL

Title (de)  
VERFAHREN ZUR FÜHRUNG EINES GIESSGUTS AUS EINEM GIESSBEHÄLTER EINER GIESSANLAGE UND GIESSANLAGE ZUM GIESSEN EINES GIESSGUTS

Title (fr)  
PROCÉDÉ DE GUIDAGE D'UN MÉTAL FONDU DEPUIS UN BAC DE COULÉE D'UNE INSTALLATION DE COULAGE ET INSTALLATION DE COULAGE POUR LE COULAGE D'UN MÉTAL FONDU

Publication  
**EP 2111314 A1 20091028 (DE)**

Application  
**EP 08708037 A 20080121**

Priority  
• EP 2008050633 W 20080121  
• DE 102007004053 A 20070122

Abstract (en)  
[origin: WO2008090121A1] The invention relates to a method for guiding a cast material (2) out of a casting chamber (3) of a casting system (1), wherein the cast material (2) is discharged from a casting chamber (3) by means of a succession of guiding rollers (4) and rolling rollers (5). A rolling roller (5) exerts a rolling force (F<SUB>1</SUB>, F<SUB>2</SUB>, F<SUB>3</SUB>, F<SUB>4</SUB>) on the cast material (2) to reduce the thickness (9, 9') of the cast material (2), whereas a guiding roller (4), which simply guides, exerts no rolling force on the cast material (2). At least the rolling rollers (5) are driven by a drive (8), each drive applied under load. Because the rolling force (F<SUB>1</SUB>, F<SUB>2</SUB>, F<SUB>3</SUB>, F<SUB>4</SUB>) of at least one rolling roller (5) is detected (103), and the load (l<SUB>1</SUB>, l<SUB>2</SUB>, l<SUB>3</SUB>, l<SUB>4</SUB>) of the drive (8) of this rolling roller (5) is controlled (105, 106) according to the detected rolling force (F<SUB>1</SUB>, F<SUB>2</SUB>, F<SUB>3</SUB>, F<SUB>4</SUB>), a method can be provided by which the stability of the casting speed is increased, and a significant reduction of the thickness of a cast material is achieved.

IPC 8 full level  
**B22D 11/12** (2006.01); **B22D 11/16** (2006.01); **B22D 11/20** (2006.01)

CPC (source: EP US)  
**B22D 11/1206** (2013.01 - EP US); **B22D 11/16** (2013.01 - EP US); **B22D 11/20** (2013.01 - EP US)

Citation (search report)  
See references of WO 2008090121A1

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 102007004053 A1 20080731**; BR PI0806813 A2 20110913; CN 101588881 A 20091125; CN 101588881 B 20120620; EP 2111314 A1 20091028; RU 2009131690 A 20110227; RU 2456119 C2 20120720; US 2010038048 A1 20100218; US 7987896 B2 20110802; WO 2008090121 A1 20080731

DOCDB simple family (application)  
**DE 102007004053 A 20070122**; BR PI0806813 A 20080121; CN 200880002791 A 20080121; EP 08708037 A 20080121; EP 2008050633 W 20080121; RU 2009131690 A 20080121; US 52244008 A 20080121