

Title (en)

METHOD AND DEVICE FOR CONTROLLING THE MOLTEN METAL LEVEL IN AN INGOT MOLD

Title (de)

VERFAHREN UND VORRICHTUNG ZUR REGELUNG DES FLÜSSIGMETALLSPIEGELS IN EINER KOKILLE

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR RÉGULER LA SURFACE DE MÉTAL LIQUIDE DANS UNE LINGOTIÈRE

Publication

EP 2991788 B1 20190403 (DE)

Application

EP 14726085 A 20140430

Priority

- AT 3702013 A 20130503
- EP 2014058802 W 20140430

Abstract (en)

[origin: WO2014177605A1] The signal obtained by measuring a mold level (5) is analyzed, the occurrence of irregular strand bulges (8) is recognized and the stopper rod movement is boosted and adapted by adding an additional control algorithm to the mold level controller (10) such that the variations of the mold level (5) about the target level can be maintained in a predetermined range of ± 1.0 to ± 3.0 mm.

IPC 8 full level

B22D 11/18 (2006.01); **B22D 41/16** (2006.01); **B22D 41/22** (2006.01)

CPC (source: AT EP)

B22D 11/16 (2013.01 - AT); **B22D 11/181** (2013.01 - AT EP); **B22D 41/14** (2013.01 - AT); **B22D 41/16** (2013.01 - AT EP); **B22D 41/22** (2013.01 - AT EP)

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)

WO 2014177605 A1 20141106; AT 514734 A1 20150315; EP 2991788 A1 20160309; EP 2991788 B1 20190403

DOCDB simple family (application)

EP 2014058802 W 20140430; AT 3702013 A 20130503; EP 14726085 A 20140430