

Title (en)
CONTINUOUS CASTING LINE WITH A DEVICE FOR DETERMINING STIFFNESS STATES OF A CASTING STRAND AND ASSOCIATED METHOD

Title (de)
STRANGGIESSANLAGE MIT EINER VORRICHTUNG ZUR BESTIMMUNG VON ERSTARRUNGSZUSTÄNDEN EINES GIESSSTRANGS UND VERFAHREN HIERFÜR

Title (fr)
INSTALLATION DE COULÉE CONTINUE AVEC UN DISPOSITIF POUR DÉTERMINER LES ÉTATS DE SOLIDIFICATION D'UNE BARRE DE COULÉE, ET PROCÉDÉ CORRESPONDANT

Publication
EP 2229249 B1 20140402 (DE)

Application
EP 08868178 A 20081223

Priority
• EP 2008011069 W 20081223
• DE 102007063098 A 20071228
• DE 102008014524 A 20080315

Abstract (en)
[origin: CA2710544A1] The invention relates to a continuous casting line (20) with a strand guider comprising casting strand segments (22, 23, 24, 25, 26, 27) with rollers (2), wherein at least one of the casting strand segments is configured as measuring segment, wherein at least one or more measuring points for direct or indirect determining of the force acting on one or more rollers is provided, wherein also at least one measuring point is arranged on a bearing block (30), preferably between a bearing and the segment frame of the casting strand segment and a data-processing unit is provided which ascertains the stiffness states of the casting strand on the basis of the data of at least one measuring point.

IPC 8 full level
B22D 11/16 (2006.01); **B21C 51/00** (2006.01)

CPC (source: EP US)
B22D 11/128 (2013.01 - EP US); **B22D 11/16** (2013.01 - EP US)

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 102008014524 A1 20090702; CA 2710544 A1 20090709; CA 2710544 C 20121218; CN 101932396 A 20101229; CN 101932396 B 20141224; EP 2229249 A1 20100922; EP 2229249 B1 20140402; JP 2011506101 A 201110303; JP 5465675 B2 20140409; KR 20100087764 A 20100805; RU 2010131613 A 20120210; RU 2471590 C2 20130110; TW 200934597 A 20090816; TW I478780 B 20150401; UA 95046 C2 20110625; US 2010319873 A1 20101223; US 8336602 B2 20121225; WO 2009083231 A1 20090709; ZA 201003947 B 20110330

DOCDB simple family (application)
DE 102008014524 A 20080315; CA 2710544 A 20081223; CN 200880123339 A 20081223; EP 08868178 A 20081223; EP 2008011069 W 20081223; JP 2010538499 A 20081223; KR 20107014124 A 20081223; RU 2010131613 A 20081223; TW 97150558 A 20081225; UA A201009434 A 20081223; US 73528208 A 20081223; ZA 201003947 A 20100603