

Title (en)
DEVICE AND METHOD FOR DETECTING THE PRESSURE DISTRIBUTION OF A COOLING MEDIUM APPLIED IN A CONTINUOUS CASTING PLANT OR ROLLING MILL TRAIN

Title (de)
VORRICHTUNG UND VERFAHREN ZUR DETEKTION DER DRUCKVERTEILUNG DES IN EINER STRANGGIESSANLAGE ODER WALZSTRASSE AUFGEBRACHTEN KÜHLMEDIUMS

Title (fr)
DISPOSITIF ET PROCÉDÉ POUR LA DÉTECTION DE LA RÉPARTITION DE PRESSION DU MILIEU RÉFRIGÉRANT APPLIQUÉ DANS UNE INSTALLATION DE COULÉE CONTINUE OU UN TRAIN DE LAMINOIR

Publication
EP 2459336 A2 20120606 (DE)

Application
EP 10740161 A 20100729

Priority
• DE 102009035402 A 20090730
• EP 2010004635 W 20100729

Abstract (en)
[origin: WO2011012303A2] The invention relates to a device (1) and a method for detecting the pressure distribution of cooling medium in a continuous casting plant or rolling mill train, wherein the continuous casting plant or rolling mill train comprises at least one roller pair of two rollers (3) that form a roller gap through which a strand can be guided. Water jets are arranged in the casting direction upstream and/or downstream of the at least one roller pair that can apply a strand with cooling medium. The device substantially comprises the measurements of a strand in relation to the width direction and/or the thickness direction and the device (1) comprises at least one pressure measuring film (2) that is arranged on the surface of the device (1) in such a way that the pressure distribution of the cooling medium can be detected by the pressure measuring film (2) when the device (1) is fed into the continuous casting plant or rolling mill train instead of a strand.

IPC 8 full level
B22D 11/16 (2006.01)

CPC (source: EP)
B22D 11/124 (2013.01); **B22D 11/1246** (2013.01); **B22D 11/225** (2013.01); **B21B 45/0266** (2013.01)

Citation (search report)
See references of WO 2011012303A2

Cited by
CN112024838A; DE202015002457U1

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 SE SI SK SM TR

DOCDB simple family (publication)
DE 102009035402 A1 20110203; CN 102497940 A 20120613; EP 2459336 A2 20120606; EP 2459336 B1 20130904; WO 2011012303 A2 20110203; WO 2011012303 A3 20110331

DOCDB simple family (application)
DE 102009035402 A 20090730; CN 201080034050 A 20100729; EP 10740161 A 20100729; EP 2010004635 W 20100729