

Title (en)

GATE POSITION DETECTION SYSTEM, CASTING DEVICE, GATE POSITION DETECTION METHOD, AND METHOD FOR MANUFACTURING CAST PRODUCT

Title (de)

SCHALTPositions-ERKENNUNGSSYSTEM, GUSSVORRICHTUNG, SCHALTPositions-ERKENNUNGSVERFAHREN SOWIE VERFAHREN ZUR HERSTELLUNG EINES GUSSPRODUKTES

Title (fr)

SYSTÈME DE DÉTECTION DE POSITION DE GRILLE, DISPOSITIF DE COULÉE, PROCÉDÉ DE DÉTECTION DE POSITION DE GRILLE, ET PROCÉDÉ DE FABRICATION D'UN PRODUIT COULÉ

Publication

EP 3170584 A4 20180328 (EN)

Application

EP 15821561 A 20150710

Priority

- JP 2014143997 A 20140714
- JP 2015069905 W 20150710

Abstract (en)

[origin: EP3170584A1] A pouring cup position detection system (100) includes an image processing device (10) including an imager (12) which moves relative to the mold (M); and at least one marker (20) provided on the mold and positioned relative to the pouring cup (1g). The imager captures an image containing at least one marker. Based on the image captured by the imager, the image processing device generates information concerning the position of the pouring cup.

IPC 8 full level

B22D 35/04 (2006.01); **B22C 9/02** (2006.01); **B22C 9/08** (2006.01); **B22D 2/00** (2006.01); **B22D 27/11** (2006.01); **B22D 33/00** (2006.01); **B22D 45/00** (2006.01); **B22D 46/00** (2006.01)

CPC (source: EP)

B22C 9/02 (2013.01); **B22C 9/082** (2013.01); **B22D 2/00** (2013.01); **B22D 27/11** (2013.01); **B22D 33/00** (2013.01); **B22D 45/00** (2013.01); **B22D 46/00** (2013.01)

Citation (search report)

- [XYI] US 5757506 A 19980526 - TABATABAEI EMAD [US]
- [XYI] US 4134444 A 19790116 - FUJIE MASAKATSU, et al
- [Y] JP 2010269345 A 20101202 - FOUNDRY TECH CONSULTING KK
- [Y] JP H09155502 A 19970617 - FUKUYAMA CHUZO KOJO KK
- See references of WO 2016009961A1

Cited by

PL443671A1

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 3170584 A1 20170524; **EP 3170584 A4 20180328**; **EP 3170584 B1 20190508**; CN 105531054 A 20160427; CN 105531054 B 20170412; JP 6053243 B2 20161227; JP WO2016009961 A1 20170427; WO 2016009961 A1 20160121

DOCDB simple family (application)

EP 15821561 A 20150710; CN 201580001722 A 20150710; JP 2015069905 W 20150710; JP 2016506387 A 20150710