

Title (en)

Installation for pouring molten metal in a mould, device to detect the level of the molten metal and process for using this installation

Title (de)

Anlage zum Füllen einer Form mit geschmolzenem Metall, Vorrichtung und Verfahren um den Metalfüllstand zu detektieren

Title (fr)

Installation de remplissage d'un moule avec du métal liquide comprenant un système de détection du niveau du métal liquide, et procédé pour la mise en oeuvre de cette installation

Publication

EP 1616643 A2 20060118 (FR)

Application

EP 05356118 A 20050712

Priority

FR 0407823 A 20040713

Abstract (en)

The mould (2) has an inlet (10) for pouring molten metal (6) into the mould impression (14) through a feed channel (12), and a detector (16, 18, 20, 22, 24, 30) to measure the level of molten metal in the mould. The detector is preferably electromagnetic in form, creating force lines (24, 24') that are disturbed by the molten metal level as it rises inside the mould, transmitting a signal through emitting (16) and receiving (22) coils to a processor (30) and flow controller (32).

IPC 8 full level

B22D 2/00 (2006.01); **B22D 37/00** (2006.01)

CPC (source: EP US)

B22D 2/003 (2013.01 - EP US); **B22D 37/00** (2013.01 - EP US)

Cited by

DE102016112266A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1616643 A2 20060118; **EP 1616643 A3 20060517**; CN 1721105 A 20060118; FR 2873050 A1 20060120; US 2006011322 A1 20060119

DOCDB simple family (application)

EP 05356118 A 20050712; CN 200510083185 A 20050713; FR 0407823 A 20040713; US 17831105 A 20050712