

Title (en)

METHOD FOR FILLING THE MOLD CAVITY OF A PRESSURE DIE CASTING DEVICE, VALVE ARRANGEMENT AND DIE CASTING DEVICE FOR CARRYING OUT THE METHOD

Title (de)

VERFAHREN ZUM BEFÜLLEN DES FORMHOHLRAUMS EINER DRUCKGIESSVORRICHTUNG SOWIE VENTILANORDNUNG UND DRUCKGIESSVORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ POUR REMPLIR LA CAVITÉ DE MOULAGE D'UN DISPOSITIF DE MOULAGE SOUS PRESSION, ENSEMBLE DE SOUPAPES ET DISPOSITIF DE MOULAGE SOUS PRESSION POUR LA MISE EN OEUVRE DU PROCÉDÉ

Publication

EP 2588261 B1 20170503 (DE)

Application

EP 11729302 A 20110630

Priority

- DE 202010009838 U 20100703
- EP 2011061053 W 20110630

Abstract (en)

[origin: WO2012004192A1] The invention relates to a method for filling the mold cavity (12) of a pressure die casting device (10) with liquid casting material (22), wherein the pressure die casting device comprises an injection piston (18) displaceable in a casting chamber (16), wherein the liquid casting material (22) is filled into the casting chamber (16) through a filling hole (20) and is pressed into the mold cavity (12) by means of the injection piston (18). In order to reduce the risk of air and other gas inclusions in the liquid casting material (22) when being pressed into the mold cavity (12), according to the invention compressed air is applied to the casting material (22) in the casting chamber (16). The invention further relates to a valve arrangement (26) and to a pressure die casting device (10) for carrying out the method.

IPC 8 full level

B22D 17/10 (2006.01); **B22D 17/14** (2006.01); **B22D 17/32** (2006.01)

CPC (source: EP)

B22D 17/10 (2013.01); **B22D 17/14** (2013.01); **B22D 17/32** (2013.01)

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)

DE 202010009838 U1 20110224; EP 2588261 A1 20130508; EP 2588261 B1 20170503; ES 2635341 T3 20171003; WO 2012004192 A1 20120112

DOCDB simple family (application)

DE 202010009838 U 20100703; EP 11729302 A 20110630; EP 2011061053 W 20110630; ES 11729302 T 20110630