

Title (en)

DIE-CASTING MACHINE FOR ALUMINIUM CASTINGS AND GRAVITY CASTING METHOD

Title (de)

DRUCKGIESSMASCHINE FÜR ALUMINIUMGUSSSTÜCKE UND KOKILLENGIESSVERFAHREN

Title (fr)

MACHINE DE COULAGE SOUS PRESSION POUR PIÈCES COULÉES EN ALUMINIUM ET PROCÉDÉ DE COULAGE PAR GRAVITÉ

Publication

EP 3248711 A1 20171129 (EN)

Application

EP 17172289 A 20170522

Priority

IT UA20163748 A 20160524

Abstract (en)

A die-casting machine (1) for a casting plant for the production of castings in aluminum or its alloys comprises a cradle (6), a fixed die-holder (32), a carriage (20) and a movable die-holder (34), facing the fixed die-holder (32). The method for realising a casting by gravity casting provides for making the casting of the molten material in a well (46) of the of the die group (30), translating the carriage (20), gripping the casting carried by the movable die-holder (34) and translating the movable die-holder (34) further moving it away from the fixed die-holder (32), thus completely freeing the casting.

IPC 8 full level

B22D 17/08 (2006.01); **B22D 23/00** (2006.01)

CPC (source: EP)

B22D 17/08 (2013.01); **B22D 17/12** (2013.01)

Citation (search report)

- [X] WO 2004050276 A2 20040617 - SEMCO INSTR INC [US]
- [A] JP 2002120060 A 20020423 - SINTOKOGIO LTD
- [A] US 2004065429 A1 20040408 - OSUGI MITSU HARU [JP], et al
- [A] CA 2632311 A1 20070614 - ADS TEC GMBH [DE]

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3248711 A1 20171129; EP 3248711 B1 20210303; ES 2871273 T3 20211028; HK 1247157 A1 20180921; HR P20210835 T1 20210820; HU E054140 T2 20210830; IT UA20163748 A1 20171124; PL 3248711 T3 20210830; PT 3248711 T 20210517; RS 61889 B1 20210630; SI 3248711 T1 20210831

DOCDB simple family (application)

EP 17172289 A 20170522; ES 17172289 T 20170522; HK 18106871 A 20180525; HR P20210835 T 20210524; HU E17172289 A 20170522; IT UA20163748 A 20160524; PL 17172289 T 20170522; PT 17172289 T 20170522; RS P20210645 A 20170522; SI 201730764 T 20170522