

Title (en)

Die casting system and method utilizing high melting temperature materials

Title (de)

Druckgussystem und Verfahren zur Verwendung von Materialien mit hohen Schmelztemperaturen

Title (fr)

Système de moulage et procédé utilisant des matériaux à température de fusion élevée

Publication

EP 2450126 A3 20160106 (EN)

Application

EP 11187963 A 20111104

Priority

US 94026310 A 20101105

Abstract (en)

[origin: EP2450126A2] A die casting system (50) includes a die (52) comprising of a plurality of die components (54, 56) that define a die cavity (60) configured to receive a molten metal. One of the die components (54, 56) comprises a material that is not reactive with the molten metal and has a melting temperature above 815 degrees Celsius.

IPC 8 full level

B22D 17/20 (2006.01); **B22D 17/22** (2006.01)

CPC (source: EP US)

B22D 17/2023 (2013.01 - EP US); **B22D 17/2209** (2013.01 - EP US)

Citation (search report)

- [X] EP 1013781 A2 20000628 - UNITED TECHNOLOGIES CORP [US]
- [X] EP 1013363 A1 20000628 - UNITED TECHNOLOGIES CORP [US]
- [X] US 3841846 A 19741015 - LARSEN E, et al
- [X] US 3532561 A 19701006 - BARTO RONALD L, et al
- [X] JP S63203262 A 19880823 - HITACHI METALS LTD
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Cited by

EP3409400A1; CN106604791A; EP3287212A1; EP3360624A1; US10245637B2; WO2016039715A1

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 2450126 A2 20120509; EP 2450126 A3 20160106; SG 180155 A1 20120530; US 2012111526 A1 20120510; US 2019299278 A1 20191003

DOCDB simple family (application)

EP 11187963 A 20111104; SG 2011081452 A 20111104; US 201916384083 A 20190415; US 94026310 A 20101105