

Title (en)

CASTING MOLD FOR MAGNESIUM ALLOY AND METHOD OF CASTING MAGNESIUM ALLOY

Title (de)

GIESSFORM FÜR EINE MAGNESIUMLEGIERUNG UND VERFAHREN ZUM GIESSEN EINER MAGNESIUMLEGIERUNG

Title (fr)

MOULE DE COULAGE POUR ALLIAGE DE MAGNÉSIUM ET PROCÉDÉ DE COULAGE D'ALLIAGE DE MAGNÉSIUM

Publication

EP 2263817 A4 20130515 (EN)

Application

EP 09724927 A 20090318

Priority

- JP 2009056034 W 20090318
- JP 2008080509 A 20080326

Abstract (en)

[origin: EP2263817A1] The mold assembly for magnesium alloys comprises a mold and/or a core, each formed of an air permeable material. The air permeable material is any one or any combination of a network, a sheet having multiple holes, and cloth. The network, the sheet or the cloth is any one or any combination of a metal, a chemical fiber, and a ceramic material. The invention also provides a casting method for magnesium alloys, which uses that mold assembly.

IPC 8 full level

B22C 1/00 (2006.01); **B22C 9/00** (2006.01); **B22D 21/00** (2006.01); **B22D 21/04** (2006.01)

CPC (source: EP US)

B22C 9/00 (2013.01 - EP US); **B22D 21/007** (2013.01 - EP US)

Citation (search report)

- [A] GB 868734 A 19610525 - ALUMINUM CO OF AMERICA
- [A] WO 2005056218 A2 20050623 - BENDER WILFRIED [DE], et al
- [X] JP H1133674 A 19990209 - HONDA MOTOR CO LTD
- [X] JP S56160852 A 19811210 - TOKYO SHIBAURA ELECTRIC CO
- See references of WO 2009119701A1

Designated contracting state (EPC)

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 SE SI SK TR

DOCDB simple family (publication)

EP 2263817 A1 20101222; EP 2263817 A4 20130515; CN 101977710 A 20110216; JP 2009233690 A 20091015; JP 4748426 B2 20110817; US 2011056644 A1 20110310; WO 2009119701 A1 20091001

DOCDB simple family (application)

EP 09724927 A 20090318; CN 200980110586 A 20090318; JP 2008080509 A 20080326; JP 2009056034 W 20090318; US 93444109 A 20090318