

Title (en)
VACUUM DIE-CASTING METHOD

Title (de)
VAKUUMDRUCKGUSSVERFAHREN

Title (fr)
PROCEDE DE COULEE SOUS VIDE

Publication
EP 1819465 B1 20130227 (DE)

Application
EP 05813648 A 20051123

Priority
• EP 2005012503 W 20051123
• DE 102004057324 A 20041127

Abstract (en)
[origin: WO2006056410A1] The invention relates to an improved vacuum die-casting method, in particular for metals and metal alloys which contain Al, Mg, Zn and Cu. According to the invention, a vacuum in the casting chamber and die cavity chamber is produced in several phases of the die-casting process in order to improve the quality of the component. The invention also relates to the uses of the novel method for cold chamber diecasting and also for warm chamber die-casting.

IPC 8 full level
B22D 17/14 (2006.01); **B22D 17/02** (2006.01); **B22D 17/04** (2006.01)

CPC (source: EP US)
B22D 17/04 (2013.01 - EP US); **B22D 17/14** (2013.01 - EP US)

Citation (examination)
• JP S5772766 A 19820507 - ARAI TAKESHI
• JP S62207554 A 19870911 - KUROKI KOZO
• JP 2004074167 A 20040311 - UMEMURA AKIYOSHI

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)
DE 102004057324 A1 20060601; EP 1819465 A1 20070822; EP 1819465 B1 20130227; US 2009050289 A1 20090226;
WO 2006056410 A1 20060601

DOCDB simple family (application)
DE 102004057324 A 20041127; EP 05813648 A 20051123; EP 2005012503 W 20051123; US 79167705 A 20051123