

Title (en)

METHOD AND DEVICE FOR PRODUCING CAST PARTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM HERSTELLEN VON GUSSSTÜCKEN

Title (fr)

PROCEDE ET DISPOSITIF POUR PRODUIRE DES PIECES COULEES

Publication

EP 0951369 A1 19991027 (DE)

Application

EP 97943907 A 19970926

Priority

- DE 19649014 A 19961127
- EP 9705285 W 19970926

Abstract (en)

[origin: DE19649014A1] The invention relates to a method for producing cast parts from aluminium alloy, wherein a preformed casting unit made of a gasifiable foamed material is placed in a moulding box, covered with a pourable magnetizable granulated moulding material which is poured into the moulding box, a magnetic field penetrating the moulding box is created, the cast part is cast upon simultaneous gasification of the casting unit with the aluminium alloy molten mass, a magnetic field is created after solidification of the aluminium alloy molten mass and the moulding material is removed from the casting unit. In order to improve the productivity of the inventive method, said method is characterized in that the aluminium alloy molten mass is compressed into the casting unit through a rising pipe from bottom to top at a relatively low pressure and rotated after casting in the moulding box around an approximately horizontal rotation axis in the cast part inlet area.

IPC 1-7

B22C 9/04; **B22D 18/04**

IPC 8 full level

B22C 9/04 (2006.01); **B22D 18/04** (2006.01); **B22D 21/00** (2006.01)

CPC (source: EP)

B22C 9/046 (2013.01); **B22D 18/04** (2013.01); **B22D 21/007** (2013.01)

Citation (search report)

See references of WO 9823401A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 19649014 A1 19980528; DE 59704155 D1 20010830; EP 0951369 A1 19991027; EP 0951369 B1 20010725; WO 9823401 A1 19980604

DOCDB simple family (application)

DE 19649014 A 19961127; DE 59704155 T 19970926; EP 9705285 W 19970926; EP 97943907 A 19970926