

Title (en)

Method for manufacturing of die cast pieces and die casting unit

Title (de)

Verfahren zur Herstellung von Druckgiessteilen und Giesseinrichtung

Title (fr)

Procédé pour la fabrication de pièces coulées sous pression et unité de coulée sous pression

Publication

**EP 1970143 A3 20090225 (DE)**

Application

**EP 08102163 A 20080229**

Priority

DE 102007013200 A 20070315

Abstract (en)

[origin: EP1970143A2] Production of die-cast components, especially complex, heavy duty components, comprises feeding metal, especially an aluminum-containing material, as a melt in portions to the die-casting machine. The melt has a fine-grained structure and is fed to the gate (19) at 610 - 650[deg] C and more than 50 m/s : An independent claim is included for a die-casting machine for carrying out the method with a mold comprising fixed (13), movable (15) and floating (16) mold frame sections and a slide (14) mounted in guides.

IPC 8 full level

**B22D 17/00** (2006.01)

CPC (source: EP)

**B22D 17/00** (2013.01)

Citation (search report)

- [X] US 2003056929 A1 20030327 - STALEY JAMES T [US]
- [X] JP 2004269971 A 20040930 - TOYOTA CENTRAL RES & DEV, et al
- [X] US 2003019604 A1 20030130 - ISHIDUKA MASANOBU [JP], et al

Cited by

CN110523952A; EP3645192B1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 1970143 A2 20080917; EP 1970143 A3 20090225**; DE 102007013200 A1 20080918

DOCDB simple family (application)

**EP 08102163 A 20080229**; DE 102007013200 A 20070315