

Title (en)

CASTING DIE AND METHOD FOR PRODUCING CAST WORKPIECES CONSISTING OF LIGHT METAL ALLOYS

Title (de)

GIESSWERKZEUG UND VERFAHREN ZUR HERSTELLUNG VON AUS LEICHTMETALLLEGIERUNGEN GEGOSSENEN WERKSTÜCKEN

Title (fr)

OUTIL DE COULEE ET PROCEDE POUR FABRIQUER DES PIECES COULEES EN ALLIAGES LEGERS

Publication

**EP 1802411 B1 20080312 (DE)**

Application

**EP 05794467 A 20051017**

Priority

- AT 2005000411 W 20051017
- AT 17712004 A 20041021

Abstract (en)

[origin: WO2006042350A1] The invention relates to a casting die (1) for producing cast workpieces (2) consisting of light metal alloys, in particular for the motor vehicle industry, said casting die (1) being equipped with at least one positioning element in a predetermined position for fixing at least one pre-formed core part (3) that remains in the cast workpiece (2). At least one pin-type positioning element (7), which tapers towards its free end is fixed to the casting die (1). The invention also relates to a method for producing cast workpieces (2) consisting of light metal alloys, in particular for the motor vehicle industry. According to said method, at least one pre-formed core part (3) that remains in the cast workpiece (2) is held in a predetermined position in a casting die (1), a positioning element (7) that is fixed to the casting die (1) is introduced into the core part (3) and the latter (3) is held by the positioning element (7) in a friction fit.

IPC 8 full level

**B22D 19/00** (2006.01); **B22C 9/06** (2006.01); **B22C 9/10** (2006.01); **B22C 21/14** (2006.01); **B22D 17/24** (2006.01)

CPC (source: EP US)

**B22C 9/064** (2013.01 - EP US); **B22D 15/005** (2013.01 - EP US); **B22D 17/24** (2013.01 - EP US); **B22D 19/00** (2013.01 - EP US)

Cited by

DE102011053857B3; FR2949363A1; WO2012172062A1

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)

**WO 2006042350 A1 20060427**; AT 500943 A1 20060515; AT 500943 B1 20070415; AT E388777 T1 20080315; DE 502005003249 D1 20080424; EP 1802411 A1 20070704; EP 1802411 B1 20080312; ES 2301062 T3 20080616; US 2008087401 A1 20080417; US 2011132566 A1 20110609; US 7909084 B2 20110322; US 8127825 B2 20120306

DOCDB simple family (application)

**AT 2005000411 W 20051017**; AT 05794467 T 20051017; AT 17712004 A 20041021; DE 502005003249 T 20051017; EP 05794467 A 20051017; ES 05794467 T 20051017; US 201113027311 A 20110215; US 57766505 A 20051017