

Title (en)

METHOD AND DEVICE FOR CASTING A PISTON FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM GIEßEN EINES KOLBENS FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR COULER UN PISTON DESTINÉ À UN MOTEUR À COMBUSTION INTERNE

Publication

**EP 2552623 B1 20170621 (DE)**

Application

**EP 11710776 A 20110324**

Priority

- DE 102010003346 A 20100326
- EP 2011054530 W 20110324

Abstract (en)

[origin: WO2011117342A1] In a method for casting a piston for an internal combustion engine, after solidification of the surface layer in the region of the piston-pin bores (12), at least one mandrel provided there is withdrawn and the region of at least one piston-pin bore (12) is cooled by coolant supplied through at least one mandrel. A device for casting pistons for internal combustion engines has at least one mandrel which can be withdrawn from the region of a piston-pin bore (12) and through which a coolant for cooling the region of the piston-pin bores (12) can be supplied.

IPC 8 full level

**B22C 9/06** (2006.01); **B22C 9/10** (2006.01); **B22D 15/02** (2006.01); **B22D 27/04** (2006.01); **F02F 3/00** (2006.01)

CPC (source: EP US)

**B22C 9/06** (2013.01 - EP US); **B22C 9/101** (2013.01 - EP US); **B22D 15/02** (2013.01 - EP US); **B22D 25/02** (2013.01 - US); **B22D 27/04** (2013.01 - EP US); **F02F 3/00** (2013.01 - EP US); **F02F 2200/06** (2013.01 - EP US)

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

**DE 102010003346 A1 20110929**; EP 2552623 A1 20130206; EP 2552623 B1 20170621; US 2013092341 A1 20130418; US 8720528 B2 20140513; WO 2011117342 A1 20110929

DOCDB simple family (application)

**DE 102010003346 A 20100326**; EP 11710776 A 20110324; EP 2011054530 W 20110324; US 201113637436 A 20110324