

Title (en)

METHOD OF PRODUCING LIGHT METAL CASTINGS AND CASTING MOULD FOR CARRYING OUT THE METHOD

Title (de)

VERFAHREN ZUM HERSTELLEN VON GUSSSTÜCKEN AUS LEICHTMETALL UND GIESSFORM ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE DE PRODUCTION DE PIECES COULEES EN METAL LEGER ET MOULE APPROPRIE POUR METTRE LEDIT PROCEDE EN OEUVRE

Publication

EP 0793554 B1 20000223 (DE)

Application

EP 96930074 A 19960822

Priority

- DE 19531551 A 19950828
- EP 9603691 W 19960822

Abstract (en)

[origin: US5954113A] PCT No. PCT/EP96/03691 Sec. 371 Date Apr. 25, 1997 Sec. 102(e) Date Apr. 25, 1997 PCT Filed Aug. 22, 1996 PCT Pub. No. WO97/07914 PCT Pub. Date Mar. 6, 1997A method for producing light metal castings, in particular cylinder heads, cylinder blocks and/or crankcases for internal combustion engines, includes a sand mold which forms a mold cavity for the casting. The sand mold includes outer mold parts, at least one core and at least one feeder for forming a riser, wherein the mold is provided with an in-gate for receiving the metal melt and the metal melt is filled into the mold cavity under the effect of gravity. A cover core (5) is fitted onto the mold that is at least in partial regions designed to be impermeable to gas and which contains at least one feeder, and wherein immediately after the filling operation, the feeder filled with metal melt is admitted with a pressure via a pressurized gas.

IPC 1-7

B22D 27/13; **B22D 27/09**

IPC 8 full level

B22C 9/08 (2006.01); **B22D 27/09** (2006.01); **B22D 27/13** (2006.01)

CPC (source: EP US)

B22C 9/082 (2013.01 - EP US); **B22D 27/09** (2013.01 - EP US)

Citation (examination)

- JP H03142056 A 19910617 - ASAHI TEC CORP
- JP S6152978 A 19860315 - DAIDO STEEL CO LTD

Designated contracting state (EPC)

AT DE ES FR GB IT

DOCDB simple family (publication)

US 5954113 A 19990921; AT E189867 T1 20000315; CN 1164837 A 19971112; DE 19531551 A1 19970306; DE 59604490 D1 20000330; EP 0793554 A1 19970910; EP 0793554 B1 20000223; ES 2146016 T3 20000716; WO 9707914 A1 19970306

DOCDB simple family (application)

US 81798097 A 19970425; AT 96930074 T 19960822; CN 96190969 A 19960822; DE 19531551 A 19950828; DE 59604490 T 19960822; EP 9603691 W 19960822; EP 96930074 A 19960822; ES 96930074 T 19960822