

Title (en)  
PERMANENT CASTING MOULD AND CASTING MOULD INSERT

Title (de)  
DAUERGIESSFORM UND GIESSFORMEINSATZ

Title (fr)  
MOULE PERMANENT ET PIECE DE COULEE INSEREE

Publication  
**EP 1948374 B1 20130424 (DE)**

Application  
**EP 06792722 A 20060807**

Priority  
• EP 2006065098 W 20060807  
• DE 102005054616 A 20051116

Abstract (en)  
[origin: DE102005054616B3] The durable mold for light metal castings, especially cylinder heads, has at least one mold body (1) with a hollow zone (H). A holder (3) is shaped in the wall defining the hollow casting zone with a shoulder (3a) to support the mold insert. The upper side (2b) of a cold mold gives a seating for the mold insert body (2a) with play (ds) in the hollow zone. A support collar (2h) extends over a fraction (hs) of the mold body height (hg) to give a positive fit for the shoulder. There is a space (3c) between the base (2j) of the mold insert body and the bottom of the holder with a height (tg) to allow for expansion when the molten metal is poured into a cold mold.

IPC 8 full level  
**B22C 9/06** (2006.01); **B22D 17/22** (2006.01)

CPC (source: EP KR US)  
**B22C 9/06** (2013.01 - KR); **B22C 9/061** (2013.01 - EP US); **B22C 19/00** (2013.01 - KR); **B22D 17/229** (2013.01 - EP US)

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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)  
**DE 102005054616 B3 20061109**; AU 2006314739 A1 20070524; BR PI0618566 A2 20110906; BR PI0618566 B1 20140729; CA 2625622 A1 20070524; CN 101365551 A 20090211; CN 101365551 B 20110713; EP 1948374 A1 20080730; EP 1948374 B1 20130424; ES 2421158 T3 20130829; JP 2009515708 A 20090416; JP 5566027 B2 20140806; KR 101270229 B1 20130531; KR 20080067673 A 20080721; PL 1948374 T3 20130930; RU 2008123849 A 20091227; RU 2412779 C2 20110227; SI 1948374 T1 20130830; UA 95089 C2 20110711; US 2008296471 A1 20081204; US 7975751 B2 20110712; WO 2007057238 A1 20070524; ZA 200803348 B 20091028

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