

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 A1 20080730 (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)

Citation (search report)
See references of WO 2007057238A1

Cited by
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