

Title (en)

Process to manufacture an internal combustion engine block comprising cylinder bore liners

Title (de)

Verfahren zum Giessen eines Motorblock mit Zylinderlaufbuchsen

Title (fr)

Procédé de fabrication de bloc moteur comportant des chemises rapportées

Publication

**EP 1681115 A1 20060719 (FR)**

Application

**EP 06300018 A 20060109**

Priority

FR 0550101 A 20050111

Abstract (en)

The process for making an i.c. engine block from a light alloy such as aluminium alloy consists of forming a mould cavity (10) with at least one sleeve (7) positioned in it to form an engine cylinder and for filling the cavity, the molten alloy being fed into the cavity through both the interior and exterior of the sleeve. The mould cavity is filled under pressure, with the molten alloy fed into it through the surface that corresponds to the base of the engine block, and with the sleeve held by an inner support (9) that leaves at least one passage for pouring the alloy that forms the upper part of the block.

IPC 8 full level

**B22D 17/00** (2006.01); **B22D 19/00** (2006.01)

CPC (source: EP)

**B22D 17/00** (2013.01); **B22D 19/0009** (2013.01)

Citation (search report)

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