

Title (en)
Device and method for the fabrication of an engine block

Title (de)
Vorrichtung und Verfahren für die Herstellung eines Motorblocks

Title (fr)
Dispositif et procédé pour la fabrication d'un bloc moteur

Publication
EP 1002602 B1 20040929 (DE)

Application
EP 99110195 A 19990526

Priority
DE 19853803 A 19981121

Abstract (en)
[origin: US6363995B1] A device for manufacturing an engine block has a casting mold with mold parts and cylinder liners. The mold parts have a seat with seat surfaces for each cylinder liner, and the opposed ends of the cylinder liner are seated in the seat surfaces. The cylinder liners become connected to the material cast in the casting mold and are removed together with the cast material from the mold parts after casting. The seat surfaces are conical and inclined at an incline angle relative to the cross-sectional plane of the cylinder liner seated in the seat such that the opposed ends of the cylinder liner remain seated at the seat surfaces upon heat expansion of the cylinder liner during preparation of the casting mold for casting and during casting.

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B22D 19/00

IPC 8 full level
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CPC (source: EP US)
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Cited by
DE102004047841A1; US6527040B2; US6533020B2; US6615901B2; US6527039B2; US6598655B2

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US 43863699 A 19991112; AT 99110195 T 19990526; DE 19853803 A 19981121; DK 99110195 T 19990526; EP 99110195 A 19990526; ES 99110195 T 19990526; SI 9930710 T 19990526