

Title (en)

PROCESS FOR CASTING AN ALUMINIUM-ALLOY ENGINE PART, IN PARTICULAR A CYLINDER HEAD.

Title (de)

VERFAHREN ZUM GIESSEN EINES MOTORENTEILS AUS ALUMINIUMLEGIERUNG, INSBESONDERE EINES ZYLINDERKOPFES.

Title (fr)

PROCEDE DE MOULAGE D'UNE PIECE DE MOTEUR EN ALLIAGE D'ALUMINIUM, EN PARTICULIER D'UNE CULASSE DE CYLINDRE.

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Abstract (en)

[origin: WO9218269A1] In engine parts made of aluminium alloy, components such as the cylinder-head valve-seat rings which are made of high-strength materials must be held rigidly in place. Machining them is long. The invention proposes a process for casting an aluminium-alloy engine part using a casting mould made up of one or more parts. In this process, the components, in particular the valve-seat rings, which have to be rigidly joined to the engine part, and which are made of a different material, whose melting point is at least as high as that of the engine material, are introduced into the mould, before the mould is assembled, at points indicated by suitable marks, the mould assembled, and the motor part itself then cast.

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