

Title (en)

METHOD AND CORE FOR MOULDING AN INTERNAL COMBUSTION ENGINE CYLINDER HEAD

Title (de)

KERN UND VERFAHREN ZUM FORMEN EINES BRENNKRAFTMASCHINENZYLINDERKOPFES

Title (fr)

PROCEDE ET NOYAU POUR LA REALISATION PAR MOULAGE D'UNE CULASSE DE MOTEUR A COMBUSTION INTERNE

Publication

EP 0958076 A1 19991124 (FR)

Application

EP 97932896 A 19970711

Priority

- FR 9701273 W 19970711
- FR 9609071 A 19960719

Abstract (en)

[origin: WO9803290A1] A method and a core for moulding an internal combustion engine cylinder head, wherein a metal alloy is cast in a mould containing non-meltable cores corresponding, in particular, to the hollow portions of the cylinder head, e.g. the combustion chambers (4), the intake ducts (2), the exhaust ducts (3) and the water or oil chambers, and a single integral core (1) defines both the combustion chambers (4) and the intake ducts (2).

IPC 1-7

B22D 19/00

IPC 8 full level

F02F 1/00 (2006.01); **B22C 9/10** (2006.01); **B22D 19/00** (2006.01); **F02F 1/24** (2006.01); **F02F 1/42** (2006.01)

CPC (source: EP)

B22C 9/103 (2013.01); **B22D 19/0009** (2013.01); **F02F 1/4214** (2013.01)

Citation (search report)

See references of WO 9803290A1

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

WO 9803290 A1 19980129; BR 9710505 A 19990817; DE 69719375 D1 20030403; DE 69719375 T2 20031224; EP 0958076 A1 19991124; EP 0958076 B1 20030226; ES 2192689 T3 20031016; FR 2751251 A1 19980123; FR 2751251 B1 19980821; JP 2000514898 A 20001107

DOCDB simple family (application)

FR 9701273 W 19970711; BR 9710505 A 19970711; DE 69719375 T 19970711; EP 97932896 A 19970711; ES 97932896 T 19970711; FR 9609071 A 19960719; JP 50662498 A 19970711