Title (en)

Cylinder head for a multi-cylinder internal combustion engine

Title (de)

Zylinderkopf einer Mehrzylinder-Brennkraftmaschine

Title (fr)

Culasse pour un moteur à combustion interne à plusieurs cylindres

Publication

EP 0979937 A3 20001129 (DE)

Application

EP 99112076 A 19990623

Priority

DE 19836441 A 19980812

Abstract (en)

[origin: DE19836441C1] The internal combustion engine cylinder head has integral bolt bores (6) in its periphery positioned in the partition wall and external wall joints defining a closed coolant chamber. The upper edges of the joint areas adjacent to the bores are cut away (8) to prevent transmission of loads through the bore walls while preserving sealing.

IPC 1-7

F02F 1/38

IPC 8 full level

F02F 1/38 (2006.01)

CPC (source: EP)

F02F 1/38 (2013.01)

Citation (search report)

- [PAD] DE 19713246 A1 19981001 - DAIMLER BENZ AG [DE]
- [A] GB 281484 A 19271208 - COVENTRY CLIMAX ENG LTD, et al
- [AD] DE 3513126 A1 19861030 - DAIMLER BENZ AG [DE]

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19836441 C1 19991111; DE 59907998 D1 20040122; EP 0979937 A2 20000216; EP 0979937 A3 20001129; EP 0979937 B1 20031210; US 6109233 A 20000829

DOCDB simple family (application)

DE 19836441 A 19980812; DE 59907998 T 19990623; EP 99112076 A 19990623; US 37019599 A 19990809