

Title (en)
Cylinder head for internal combustion engine

Title (de)
Zylinderkopf für eine Brennkraftmaschine

Title (fr)
Culasse pour moteur à combustion

Publication
EP 0816661 B1 20021113 (DE)

Application
EP 97110112 A 19970620

Priority
DE 19627371 A 19960706

Abstract (en)
[origin: EP0816661A1] The cylinder head comprises a ceiling (2) which is parallel to a base (1), longitudinal outer walls (3,4) and side walls, a control chamber (12), gas exchange channels (8) and a cooling water chamber. The cooling water chamber is arranged between the cylinder head base and a control chamber (12) abutting on the cylinder head ceiling and containing at least one camshaft. The cooling water chamber is partitioned from the control chamber by a twin-deck. Inflow apertures (15,16) are arranged in the cylinder head base between the base and the twin-deck. The inflowing cooling water circulates from the inflow apertures out of temperature-loaded areas of the gas exchange channels and mixes with a longitudinal and cross flow of the cooling water.

IPC 1-7
F02F 1/40

IPC 8 full level
F02F 1/40 (2006.01); **F02F 1/24** (2006.01)

CPC (source: EP)
F02F 1/40 (2013.01); **F02F 2001/247** (2013.01)

Cited by
EP1258623A3; DE102004005749B4; DE10026376B4; DE10048582B4; CN109667743A; US6729272B2

Designated contracting state (EPC)
DE FR GB IT PT

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