

Title (en)
Cylinder head gasket

Title (de)
Zylinderkopfdichtung

Title (fr)
Joint de culasse

Publication
EP 1510681 B1 20080305 (DE)

Application
EP 04001060 A 20040120

Priority
US 64736303 A 20030825

Abstract (en)
[origin: EP1510681A1] Flow guidance components connect to coolant passages, both designed to form a coolant flow path into coolant cavities. In addition they produce a directed flow at the outlet end of the flow path. The guidance component has e.g. a tube, nozzle or blade formation, producing a directed jet. The sealing plate is multi-layered and includes a low alloy steel layer which is formed to direct the flow.

IPC 8 full level
F02F 11/00 (2006.01); **F01P 3/02** (2006.01); **F01P 7/14** (2006.01)

CPC (source: EP US)
F01P 3/02 (2013.01 - EP US); **F02F 11/002** (2013.01 - EP US); **F01P 2007/143** (2013.01 - EP US)

Cited by
DE102015215083A1; EP3396141A1; DE102010052830A1; US8857387B2

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1510681 A1 20050302; **EP 1510681 B1 20080305**; DE 502004006384 D1 20080417; US 2005046119 A1 20050303;
US 6976683 B2 20051220

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EP 04001060 A 20040120; DE 502004006384 T 20040120; US 64736303 A 20030825