

Title (en)

Liquid-cooled cylinder head for a combustion engine

Title (de)

Flüssigkeitsgekühlter Zylinderkopf für eine Brennkraftmaschine

Title (fr)

Tête de cylindre refroidie par du liquide pour un moteur à combustion interne

Publication

EP 1884647 B1 20090429 (DE)

Application

EP 07013424 A 20070710

Priority

DE 102006036422 A 20060804

Abstract (en)

[origin: EP1884647A2] The head (1) has a dome (6) surrounded by a cooling agent channel (2) and spaced from a gusset area (5) formed by exhaust duct walls (3, 4), where the channel has an inflow opening (2') arranged between the walls and other inflow openings. The channel is extended over a combustion chamber and between the walls based on the opening (2'), and is extended over the chamber and radially around the walls based on the latter openings. The channel is extended towards an inlet side of the head based on the dome. A flow guiding rib (7) extended in the direction of the dome is arranged in the gusset area.

IPC 8 full level

F02F 1/40 (2006.01)

CPC (source: EP)

F02F 1/40 (2013.01); **F02F 1/4214** (2013.01)

Cited by

CN107061041A; CN107667214A; AT517127B1; CN103352768A; JP2015520331A; CN104854333A; EP2861857A4; US8869758B1; US8662028B2; WO2010122095A1; WO2012038033A1; WO2016176710A1; US10634088B2; US10655559B2

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