

Title (en)

Liquid cooled transfer flow cylinder head for in-line combustion engines

Title (de)

Flüssigkeitsgekühlter Querstrom-Zylinderkopf für Brennkraftmaschinen mit in Reihe angeordneten Zylindern

Title (fr)

Culasse à courant transversal refroidi par liquide pour des moteurs avec ses cylindres rangés en ligne

Publication

**EP 1126151 B1 20071031 (DE)**

Application

**EP 01100319 A 20010104**

Priority

DE 10007151 A 20000217

Abstract (en)

[origin: DE10007151A1] The cylinder head (1) has a coolant chamber (6) between a cylinder head base (3) and a cover wall (4). The cover wall has a recess (11) between diametrically opposite helical columns (7) and neighboring shaft tubes (9). The recess is in connection with the cylinder head base via a cross wall (10) between the columns. Wall sections of the recess, which rise in direction from the cross wall to the cover wall, are formed to act as flow guide faces.

IPC 8 full level

**F02F 1/42** (2006.01); **F02F 1/24** (2006.01); **F02F 1/38** (2006.01); **F02F 1/40** (2006.01)

CPC (source: EP US)

**F02F 1/242** (2013.01 - EP US); **F02F 1/40** (2013.01 - EP US); **F02F 1/4214** (2013.01 - EP US); **F02F 2200/06** (2013.01 - EP US)

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DE ES FR GB IT SE

DOCDB simple family (publication)

**EP 1126151 A2 20010822**; **EP 1126151 A3 20020731**; **EP 1126151 B1 20071031**; DE 10007151 A1 20010823; DE 50113178 D1 20071213; ES 2292501 T3 20080316; US 2001015183 A1 20010823; US 6508221 B2 20030121

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**EP 01100319 A 20010104**; DE 10007151 A 20000217; DE 50113178 T 20010104; ES 01100319 T 20010104; US 73072900 A 20001207