

Title (en)
CYLINDER HEAD

Title (de)
ZYLINDERKOPF

Title (fr)
CULASSE

Publication
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Application
EP 11738970 A 20110726

Priority
• DE 102010033710 A 20100806
• EP 2011003733 W 20110726

Abstract (en)
[origin: WO2012016659A1] A cylinder head (1) for an internal combustion engine is described, comprising at least one inlet valve and at least one exhaust valve per cylinder, wherein an inlet valve and/or an exhaust valve for each cylinder is arranged on each side of a longitudinal centre axis (L) of the cylinder head (1), and the valves of a cylinder are grouped around an injector (5) located approximately in the centre of the cross-sectional area of the cylinder, and comprising levers which act on valve stems (6) and are actuated by a camshaft and/or by push rods (8), wherein an injector trough (9) running in the direction of the longitudinal centre axis (L) is provided, from which injector trough (9) bores (10) for accommodating the injectors (5) branch off, and coolant structures are arranged substantially directly in the region of the injector and the bottom of the cylinder head.

IPC 8 full level
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F02F 1/242 (2013.01); **F02M 53/043** (2013.01); **F02M 61/14** (2013.01); **F02F 1/40** (2013.01); **F02M 2200/85** (2013.01)

Citation (search report)
See references of WO 2012016659A1

Citation (examination)
• AT 6654 U1 20040126 - AVL LIST GMBH [AT]
• JP 2009062836 A 20090326 - TOYOTA MOTOR CORP
• AT 501008 A2 20060515 - AVL LIST GMBH [AT]
• WO 2008122544 A1 20081016 - AVL LIST GMBH [AT], et al

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