

Title (en)
Cooling structure for fuel injection valve

Title (de)
Kühlanordnung für Brennstoffeinspritzventil

Title (fr)
Structure de refroidissement pour injecteur de carburant

Publication
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Application
EP 04003676 A 20040218

Priority
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Abstract (en)
[origin: EP1455083A2] An object of the present invention is to provide a cooling structure (4) for a fuel injection valve (3) that is capable of actively releasing the heat of a nozzle portion (3B) of the fuel injection valve (3) to a low temperature portion (9) of a cylinder head (1), and thus suppressing the generation of deposits on an injection hole (7) of the fuel injection valve (3). A heat conducting member (8), which is capable of thermal conduction between the nozzle portion (3B) of the fuel injection valve (3) and the low temperature portion (9) of the cylinder head (1), is provided on an outer peripheral portion of the fuel injection valve (3). <IMAGE>

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CPC (source: EP)
F02M 53/04 (2013.01); **F02M 61/14** (2013.01)

Citation (search report)
• [Y] US 6186123 B1 20010213 - MAIER MARTIN [DE], et al
• [X] EP 0828075 A1 19980311 - TOYOTA MOTOR CO LTD [JP], et al
• [A] US 2175450 A 19391010 - PARCIVAL THEGE EDVIN OSSIAN
• [XY] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 25 12 April 2001 (2001-04-12)

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