

Title (en)  
CYLINDER HEAD FOR A FUEL INJECTION INTERNAL-COMBUSTION ENGINE

Publication  
**EP 0210098 B1 19890125 (FR)**

Application  
**EP 86401435 A 19860627**

Priority  
FR 8510423 A 19850708

Abstract (en)  
[origin: US4757789A] The cylinder head comprises combustion chambers (3) each of which is associated at least one admission passageway (4, 5) into which opens a fuel injector (25) and which is closable, in the region of the corresponding chamber (3), by a stem-type valve (7, 8), a cylinder head cap (24) covering the elements controlling the valves, the injectors (25) being fed with fuel through pipes (28). According to the invention, the injectors (25) each open into an admission passageway (4) slightly upstream of the associated valve (7), each injector (25) extends in a sealed manner through the cylinder head cap (24) and is maintained on the latter by the fuel feed pipe (28) which is fixed to the cylinder head cap (24), and an annular spacer member (29) which is slightly flexible and not very conductive of heat is inserted between the cylinder head (1) and the cylinder head cap coaxially with each injector (25). This arrangement provides injectors (25) with optimum fuel jets, the heating of the injectors is not excessive with the fuel being fed thereto through reliable pipes.

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IPC 8 full level  
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