

Title (en)
FUEL INJECTOR

Title (de)
KRAFTSTOFFINJEKTOR

Title (fr)
INJECTEUR DE CARBURANT

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Application
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Abstract (en)
[origin: WO2009156211A1] The invention relates to a fuel injector (10) for internal combustion engines. The fuel injector (10) comprises a control chamber (28), which is loaded with fuel under a system pressure. The pressure in the control chamber (28) can be relieved by a control valve, especially a solenoid valve (22). The solenoid valve (22) comprises a magnetic assembly (70) having a magnetic core (72) and a magnetic coil (74). A quantity controlled to flow from the control chamber (34) into a return (84) flows around the magnetic coil (74) at least partially and cools it.

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