

Title (en)

FUEL INJECTOR WITH TWO-PIECE ARMATURE

Title (de)

KRAFTSTOFFINJEKTOR MIT ZWEIFTEILIGEM MAGNETANKER

Title (fr)

INJECTEUR DE CARBURANT AVEC INDUIT EN DEUX PIÈCES

Publication

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Application

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Abstract (en)

[origin: WO2009156208A1] The invention relates to a fuel injector (110) for injecting fuel into the combustion chamber of an internal combustion engine, especially for use in accumulator injection systems. The fuel injector (110) comprises at least one injection valve member (116) for closing or releasing at least one injection opening, said injection valve member being movably supported in an injector body (114) of the fuel injector (110). The fuel injector (110) also comprises at least one hydraulic valve (146), wherein the hydraulic valve (146) is provided to control a stroke of the injection valve member (116) via at least one control chamber (124). The hydraulic valve (146) comprises a magnetic actuator (148) having at least one magnetic coil (150) and at least one armature (154). The armature (154) comprises at least one armature plate (162), which interacts with the magnetic actuator (148), and at least one armature bolt (164), which is supported so as to be movable relative to the armature plate (162) and which controls a pressure in the control chamber (124).

IPC 8 full level

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CPC (source: EP)

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