

Title (en)

SOLENOID VALVE FOR A FUEL INJECTOR AND FUEL INJECTOR

Title (de)

MAGNETVENTIL FÜR EINEN KRAFTSTOFF-INJEKTOR SOWIE KRAFTSTOFF-INJEKTOR

Title (fr)

VANNE MAGNÉTIQUE POUR UN INJECTEUR DE CARBURANT ET INJECTEUR DE CARBURANT

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Application

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Abstract (en)

[origin: WO2010000527A1] The invention relates to a solenoid valve, especially a servo valve, for a fuel injector for injecting fuel into a combustion chamber of an internal combustion engine, comprising a magnet armature (2) which can be adjusted relative to a magnet assembly (3) comprising a magnetic core (6) mounted in a support body (4), said magnetic core comprising in a coil cavity (9) an electric coil (10) having at least two coil contact pins (14, 15), wherein a through-opening (21, 22) axially penetrating the magnetic core (6) is associated with each coil contact pin (14, 15). According to the invention, at least one of the through-openings (21, 22) is designed as a fuel return channel (23, 24). The invention also relates to a fuel injector.

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