

Title (en)
SOLENOID VALVE COMPRISING A PLUG-IN/ROTATIVE CONNECTION

Title (de)
MAGNETVENTIL MIT STECK-DREHVERBINDUNG

Title (fr)
ELECTROVANNE A RACCORD TOURNANT A DOUILLE

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Application
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Abstract (en)
[origin: WO03006817A2] The invention relates to a solenoid valve for a fuel injector for injecting fuel into the combustion chamber of an internal combustion engine, said valve comprising an injector (1), which contains an electromagnet (19). The latter is used to actuate an armature assembly of the solenoid valve (18) for relieving the pressure in a control chamber (3), thus causing a nozzle needle or tappet assembly (2) in the injector (1) to carry out an opening or closing movement. The armature assembly contains a first and a second armature part. The first armature part (30, 45.2) and the second armature part (36, 45.1) are joined together by a plug-in/rotative connection (31, 38; 47), whereby one of the armature parts (30, 45.2; 36, 45.1) is encompassed by an armature guide (41), which contains rotational locking elements (42, 43, 52).

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