

Title (en)  
FUEL INJECTION VALVE

Title (de)  
BRENNSTOFFEINSPRITZVENTIL

Title (fr)  
SOUPAPE D'INJECTION DE CARBURANT

Publication  
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Application  
**EP 08804639 A 20080924**

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Abstract (en)  
[origin: WO2009053196A1] The fuel injection valve according to the invention is characterized in that said valve has an excitable actuator in the form of an electromagnetic circuit having a magnetic coil (1), an outer magnetic circuit component (11), and a movable armature (27) for activating a valve closing body (24), which interacts with a valve seat (30) provided on a valve seat body (29). The outer cup-shaped magnetic circuit component (11) has a component base (12). A disk-shaped cover part (14) is inserted into the outer magnetic circuit component (11) on the side opposite of the component base (12). The coil space for the magnetic coil (1) is limited by the outer magnetic circuit component (11), the cover part (14), and toward the interior by a thin-walled sleeve body (2). The fuel injection valve is particularly suitable for use in fuel injection systems of mixture-compressing, spark-ignited internal combustion engines.

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