

Title (en)  
ELECTROMAGNETIC VALVE FOR A FUEL INJECTION DEVICE

Publication  
**EP 0504806 A3 19930113 (DE)**

Application  
**EP 92104593 A 19920317**

Priority  
DE 4108758 A 19910318

Abstract (en)  
[origin: EP0504806A2] 2.1 Electromagnetic valves are known in which a moving core of an electromagnetic coil is provided as the drive means for the electromagnetic valve, which coil, as a result of the influence of its magnetic field, also transmits a movement via the moving core to the valve element which is to be driven. Because of the minimum dimensions for the moving core, using the known electromagnetic valve it is not possible to achieve switching times which are required, in particular, in order to conform to the present-day stringent environmental requirements. 2.2 The invention provides an electromagnetic valve in which an intermediate part is arranged between the moving core and the electromagnetic coil, and the width of the moving core is smaller than the width of the electromagnetic coil. In consequence, the minimum dimensions of the moving core are smaller than in the prior art, as a result of which shorter switching times can be achieved. <IMAGE>

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IPC 8 full level  
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CPC (source: EP)  
**F02M 51/0614** (2013.01); **F02M 51/0635** (2013.01); **F02M 51/0653** (2013.01); **F02M 61/20** (2013.01); **H01F 7/088** (2013.01); **H01F 7/1638** (2013.01)

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