

Title (en)  
FUEL INJECTION VALVE

Title (de)  
BRENNSTOFFEINSPRITZVENTIL

Title (fr)  
SOUPAPE D'INJECTION DE CARBURANT

Publication  
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Application  
**EP 09780220 A 20090707**

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Abstract (en)  
[origin: WO2010023012A1] The invention relates to a fuel injection valve (1), particularly used as injector for fuel injection units of air compressed, self igniting internal combustion engines, comprises a nozzle body (2) with a valve seat surface (7) and a nozzle needle (3) interacting with the valve seat surface (7) as a sealing seat in order to control a fuel flow to an injection hole (15) located downstream of the sealing seat of the nozzle body (2). The injection hole (15) is rounded at an inflowing region (16). The injection hole (15) further comprises a tapering and a cutting edge (29) at an outer region of the hole (18). Thus high efficiency atomization of fuel close to the nozzle is possible.

IPC 8 full level  
**F02M 61/18** (2006.01)

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