

Title (en)  
THROTTLE ON A VALVE NEEDLE OF A FUEL INJECTION VALVE FOR INTERNAL COMBUSTION ENGINES

Title (de)  
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Title (fr)  
ÉTRANGLEMENT AU NIVEAU DU POINTEAU D'UNE SOUPAPE D'INJECTION DE CARBURANT POUR MOTEURS À COMBUSTION INTERNE

Publication  
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Application  
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Abstract (en)  
[origin: WO2009010348A1] The invention relates to a fuel injection valve for internal combustion engines, having a valve body (1), in which a pressure chamber (5) is configured, in which a valve needle (3) is disposed in a longitudinally displaceable manner, interacting with a sealing surface (11) having a valve seat (7) configured on the valve needle (3). The valve seat (7) delimits the pressure chamber (5), thus enabling or interrupting a fuel flow to at least one injection opening (8) by means of the interaction of the valve needle (3) with the valve seat (7). To this end, the fuel flow to the injection openings (8) occurs between the valve needle (3) and the wall of the pressure chamber (5), wherein a sharp-edged gap throttle (15) is formed between the valve needle (3) and the wall of the pressure chamber (5).

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