

Title (en)  
FUEL INJECTION VALVE FOR INTERNAL COMBUSTION ENGINES

Title (de)  
KRAFTSTOFFEINSPRITZVENTIL FÜR BRENNKRAFTMASCHINEN

Title (fr)  
SOUPAPE D'INJECTION DE CARBURANT DESTINEE A DES MOTEURS A COMBUSTION INTERNE

Publication  
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Application  
**EP 05797092 A 20051005**

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Abstract (en)  
[origin: WO2006040283A1] The invention relates to a fuel injection valve with a valve body (1) in which a bore (3) having a longitudinal axis (8) is configured and is limited on one end by a valve seat (11). A valve needle (5) is located inside the bore (3) so as to be longitudinally displaced and interacts with the valve seat (11) in such a manner as to open or close a flow area from a pressure chamber (19) in a controlled manner by the longitudinal movement of the valve needle (5). The valve seat (11) and the outer wall of the valve body (1) are conical and parallel to each other, thereby forming a cone area (18) having a constant wall thickness ( $D_{\text{sub}}$ )

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

CPC (source: EP)  
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