

Title (en)
FUEL INJECTION VALVE

Title (de)
KRAFTSTOFFEINSPRITZVENTIL

Title (fr)
INJECTEUR DE CARBURANT

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Abstract (en)
[origin: WO2011023467A1] The invention relates to a fuel injection valve for injecting fuel into a combustion chamber of an internal combustion engine, having a nozzle needle (1) which is guided, such that it can perform a stroke movement, in a central bore (2) of a nozzle body (3) in order to open up or close off at least one injection opening (4), wherein the nozzle needle (1) interacts, by means of an encircling sealing region (5) formed on the combustion-chamber-side end thereof, with a sealing seat (6) that runs conically and is formed on the combustion-chamber-side end of the nozzle body (3). According to the invention, the sealing seat (6) that runs conically has an opening angle (α_1) of between 30° and 50°, preferably of between 40° and 50°.

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