

Title (en)

FUEL INJECTOR AND METHOD OF INJECTING FUEL

Title (de)

KRAFTSTOFFEINSPRITZVENTIL UND VERFAHREN ZUM EINSPRITZEN VON KRAFTSTOFF

Title (fr)

INJECTEUR DE CARBURANT ET PROCEDE D'INJECTION DE CARBURANT

Publication

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Application

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Abstract (en)

[origin: WO02084108A1] A fuel injection valve comprising a needle valve assembly (2) arranged in a valve body (1), where a valve needle (2') is arranged to control the fuel injection into a cylinder (11) of an engine from a fuel chamber (5) arranged in the valve body (1). The fuel injection valve comprises a pressure sensing chamber (6) arranged in communication with the fuel chamber (5) and pressure measuring means (7) are arranged in communication with the pressure sensing chamber (6). The invention also relates to a method for fuel injection, wherein fuel is conducted at raised pressure, controlled by a valve needle (2') arranged in the valve body (1) from a fuel chamber (5) to a cylinder (11) of an engine, and wherein fuel is conducted from the fuel chamber (5) at raised pressure via pressure reducing means (9) arranged in the valve body to the pressure sensing chamber (6), where pressure measuring means (7) are arranged to monitor the operation of the injection valve.

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