

Title (en)
FUEL INJECTION VALVE FOR INTERNAL COMBUSTION ENGINES

Title (de)
KRAFTSTOFFEINSPRITZVENTIL FÜR BRENNKRAFTMASCHINEN

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

Publication
EP 0770176 A1 19970502 (DE)

Application
EP 95937760 A 19951115

Priority
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• DE 4445585 A 19941220

Abstract (en)
[origin: DE4445585A1] A fuel injection valve for internal combustion engines with a valve body (1), at the combustion chamber end of which there is a chamber (9) connected to an inlet channel (5) bounded radially inwards by a spigot (11) projecting axially from the face (7) of the valve body (1) on the combustion chamber side and bearing a valve seat (15), and with a spring-loaded valve diaphragm (17) bounding the chamber (9) to the combustion chamber of the internal combustion engine to be fuelled and tensioned on the valve body (1) in its outer edge region, on which there is a valve sealing surface (19) tensioned against the valve seat (15), whereby the valve diaphragm (17) has injection apertures (25) arranged in the fuel injection flow direction behind the sealing surface (19) in the valve diaphragm (17).

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See references of WO 9619660A1

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