

Title (en)
FUEL INJECTOR ON AN INTERNAL COMBUSTION ENGINE

Title (de)
INJEKTOR ZUR KRAFTSTOFFEINSPRITZUNG AN EINER BRENNKRAFTMASCHINE

Title (fr)
INJECTEUR POUR INJECTER DU CARBURANT SUR UN MOTEUR A COMBUSTION INTERNE

Publication
EP 1797314 B1 20080416 (DE)

Application
EP 05766805 A 20050718

Priority
• EP 2005053430 W 20050718
• DE 102004046888 A 20040928

Abstract (en)
[origin: US2008093481A1] An injector having an injector body to which a fuel line is connected for delivering fuel at high pressure. A filter bore is formed in the body and a fuel filter is disposed, through which filter the delivered fuel flows. A sealing seat is formed in the filter bore against which seat the end of the fuel line is pressed upon fastening of the fuel line to the injector body. The filter bore discharges at the outside of the injector body. The sealing seat is disposed with its longitudinal axis inclined to the longitudinal axis of the filter bore, and in the injector body, a bore extending at least approximately coaxially to the sealing seat is provided, into which the end region of the fuel line plunges. By the end region, plunging into the bore, of the fuel line, an outer end region of the filter bore, discharging at the outside of the injector body, is separated from an inner end region, subjected to high pressure, of the filter bore, and the fuel filter is disposed in the inner end region of the filter bore.

IPC 8 full level
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