

Title (en)
FUEL INJECTION SYSTEM OF AN INTERNAL COMBUSTION ENGINE

Title (de)
KRAFTSTOFFEINSPRITZSYSTEM EINER BRENNKRAFTMASCHINE

Title (fr)
SYSTÈME D'INJECTION DE CARBURANT D'UN MOTEUR À COMBUSTION INTERNE

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Application
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Abstract (en)
[origin: WO2012062508A2] The invention relates to a fuel injection system of an internal combustion engine, comprising a high pressure fuel pump (3), wherein a metering device (7) is connected upstream of the high pressure region (5) of said high pressure fuel pump and said metering device (7) feeds a fuel quantity conveyed from a supply tank (2) in metered quantities to the high-pressure region (5) via a feed line (8). A zero delivery line (18) branches from the feed line (8) and in the region of a constriction (20) of a Venturi throttle (19) opens into a return line (14), wherein furthermore the Venturi throttle (19) comprises a respective filter (22, 23) in an intake (21) and/or in a junction portion leading into the constriction (20).

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