

Title (en)

ALTERNATIVE FUEL INJECTOR FOR DUAL FUEL SYSTEMS

Title (de)

ALTERNATIVES BRENNSTOFFEINSPRITZVENTIL FÜR ZWEISTOFFSYSTEME

Title (fr)

VARIANTE D'INJECTEUR DE CARBURANT POUR SYSTÈMES À BICARBURANT

Publication

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Application

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Abstract (en)

[origin: WO2008040581A1] The present invention finds application in fuel systems for internal combustion engines using gaseous fuel and relates to an alternative fuel injector for dual fuel systems in which a coil bobbin (5) adapted to generate an electromagnetic field for actuating a movable member has a cavity (55) with a cylindrical extension (10a) of said movable member or shutter (10) directly fitted therein; a disk part (10b) of said movable member being adapted to abut either against the fuel hole (100) or against the bobbin (5) depending on whether the electromagnetic field is imparted or not. The disk part (10b) of said shutter (10) abuts against said bobbin (5) while leaving a gap with the support (15) of the bobbin (5) for preventing magnetic bonding.

IPC 8 full level

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