

Title (en)
A FUEL INJECTOR FOR AN INTERNAL COMBUSTION PISTON ENGINE

Title (de)
BRENNSTOFFEINSPRITZVORRICHTUNG FÜR EINEN HUBKOLBENMOTOR

Title (fr)
INJECTEUR DE CARBURANT POUR MOTEUR À COMBUSTION INTERNE

Publication
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Application
EP 14824862 A 20141219

Priority
FI 2014051031 W 20141219

Abstract (en)
[origin: WO2016097463A1] Invention relates to a fuel injector (10) for an internal combustion piston engine comprising an injector body (12) provided with a fuel space (14) in the body (12), a fuel inlet (16) for admission of pressurized fuel into the fuel space (14), at least one nozzle orifice (18) through which fuel may be injected into a cylinder (20) of the engine, an injector needle arrangement (22), the a first end (21) of which is arranged in co-operation with the nozzle orifice (18) for opening or closing the orifice (18), a spring element (24) forcing the injector needle arrangement (22) towards a position closing the nozzle orifice (18), and a piezoelectric actuator (26) arranged to control the position of the injector needle arrangement (22) so as to control opening and closing of a flow communication from the fuel space (14) through the at least one nozzle orifice (18).

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
See references of WO 2016097463A1

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