

Title (en)
Injector for a fuel injection system

Title (de)
Injektor für eine Kraftstoffeinspritzanlage

Title (fr)
Injecteur pour une installation à injection de carburant

Publication
EP 1898083 B1 20100512 (DE)

Application
EP 07112013 A 20070709

Priority
DE 102006041073 A 20060901

Abstract (en)
[origin: EP1898083A1] The Injector (1) has an injector body (2), in which a jet needle (5) is supported in a needle section (4) for controlling an injection of fuel through an injection hole (6). A hollow piston (7) is supported in an actuator section (3), which is axially bounded by the front side of an annular coupling space (8). A rod-shaped piezo actuator (9) is coaxially arranged in the piston for controlling the pressure in coupling space, which is supported on the one side and on a base (10) of the piston on another side. A control chamber (13) is bounded by a control surface of the jet needle.

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