

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.

IPC 8 full level

**F02M 51/06** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

**F02M 51/0603** (2013.01); **F02M 61/12** (2013.01); **F02M 2200/703** (2013.01)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 1898083 A1 20080312**; **EP 1898083 B1 20100512**; DE 102006041073 A1 20080306; DE 502007003705 D1 20100624

DOCDB simple family (application)

**EP 07112013 A 20070709**; DE 102006041073 A 20060901; DE 502007003705 T 20070709