

Title (en)

APPARATUS FOR INJECTING FUEL INTO THE COMBUSTION CHAMBER OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VORRICHTUNG ZUM EINSPRITZEN VON KRAFTSTOFF IN DEN BRENNRAUM EINER BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF D'INJECTION DE CARBURANT DANS LA CHAMBRE DE COMBUSTION D'UN MOTEUR À COMBUSTION INTERNE

Publication

EP 2409012 B1 20140430 (DE)

Application

EP 10710156 A 20100316

Priority

- AT 2010000079 W 20100316
- AT 4252009 A 20090317

Abstract (en)

[origin: WO2010105282A1] In an apparatus for injecting fuel into the combustion chamber of an internal combustion engine, comprising an injection nozzle (5) having an axially displaceable nozzle pin (17), to which the pressure present in a control space (13) filled with fuel can be applied in the axial direction so as to control the opening and closing movement of said pin, wherein the pressure in the control space (13) is controlled by way of a solenoid valve (7) opening or closing at least one inlet or outlet duct (14) for fuel, wherein a magnetic coil (28) interacts with an armature (27) and a valve closing member that can be pressed against a valve seat (15) is coupled to the armature (27), wherein the armature (27) is disposed in an armature space (19) into which the inflow and/or outflow channel (14) opens, the magnetic coil (28) is covered on the armature space side by a metal protective plate (30).

IPC 8 full level

F02M 47/02 (2006.01); **F02M 63/00** (2006.01)

CPC (source: AT EP KR US)

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