

Title (en)
FUEL INJECTOR

Title (de)
KRAFTSTOFFINJEKTOR

Title (fr)
INJECTEUR DE CARBURANT

Publication
EP 1979605 B1 20090624 (DE)

Application
EP 06830145 A 20061127

Priority
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• DE 102006003040 A 20060123

Abstract (en)
[origin: US2008283627A1] A fuel injector for internal combustion engines, the injector a nozzle needle axially guided for movement in a nozzle body to opens or close off at least one spray hole for a fuel injection, having a valve piston is guided so as to be axially moveable in a holding body and controls the opening and closing movement of the nozzle needle, having a valve piece in which the valve piston delimits a control space which is connected to a high-pressure side and which is connected by means of a control valve to a low-pressure side, and having a leakage oil return line which discharges leakage oil out of the region of the holding body. The leakage oil return line runs at least partially in the valve piece.

IPC 8 full level
F02M 47/02 (2006.01)

CPC (source: EP US)
F02M 47/027 (2013.01 - EP US); **F02M 55/002** (2013.01 - EP US); **F02M 2200/28** (2013.01 - EP US); **F02M 2200/304** (2013.01 - EP US);
F02M 2547/003 (2013.01 - EP US)

Designated contracting state (EPC)
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