

Title (en)

HIGH PRESSURE FUEL PUMP FOR A FUEL INJECTION SYSTEM OF AN INTERNAL COMBUSTION ENGINE

Title (de)

HOCHDRUCK-KRAFTSTOFFPUMPE FÜR EIN KRAFTSTOFF-EINSPRITZSYSTEM EINER BRENNKRAFTMASCHINE

Title (fr)

POMPE A CARBURANT HAUTE PRESSION POUR SYSTEME D'INJECTION DE CARBURANT DE MOTEUR A COMBUSTION INTERNE

Publication

**EP 1910664 A1 20080416 (DE)**

Application

**EP 06763322 A 20060529**

Priority

- EP 2006062663 W 20060529
- DE 102005033634 A 20050719

Abstract (en)

[origin: WO2007009828A1] The invention relates to a high pressure fuel pump (18, 218) for a fuel injection system (12, 212) of an internal combustion engine, having a pump housing (46) in which is formed a working space (64), into which fuel can be supplied from a low pressure region (78) of the radial piston pump (18, 218), the working space (64) being delimited by a pump piston (52) which can be driven, in order to pressurize the fuel, by an external drive, in particular by a camshaft of an internal combustion engine (10, 210), wherein in order to meter the fuel quantity supplied to the working space (64), a throttle device having a variable throttle action (88, 288) is arranged on or in the pump housing (46).

IPC 8 full level

**F02M 59/36** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)

**F02M 59/34** (2013.01 - EP US); **F02M 63/0017** (2013.01 - EP US); **F02M 63/004** (2013.01 - EP US)

Citation (search report)

See references of WO 2007009828A1

Citation (examination)

US 2005115543 A1 20050602 - REMBOLD HELMUT [DE], et al

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**DE 102005033634 A1 20070125**; EP 1910664 A1 20080416; JP 2009501866 A 20090122; US 2010126474 A1 20100527; WO 2007009828 A1 20070125

DOCDB simple family (application)

**DE 102005033634 A 20050719**; EP 06763322 A 20060529; EP 2006062663 W 20060529; JP 2008521911 A 20060529; US 99595706 A 20060529