

Title (en)
FUEL PUMP

Title (de)
KRAFTSTOFFPUMPE

Title (fr)
POMPE A CARBURANT

Publication
EP 3001026 B1 20171206 (DE)

Application
EP 15186842 A 20150925

Priority
DE 102014014475 A 20140927

Abstract (en)
[origin: CN105464869A] Provided is a fuel pump, in particular a high-pressure fuel pump of a common rail fuel system, which has a pump piston guided in a pump cylinder, wherein in the region of a gap of the pump cylinder, in which the pump piston out is guided, an incoming groove used for lubrication and used for cooling fule in necessary and coupled to the position above a first pressure level through at least one first incoming hole, and an outgoing groove coupled to the position below a second pressure level through at least one outgoing hole are formed, wherein an intermediate incoming groove is formed in the region of the gap of the pump cylinder between the upper incoming groove and the lower outgoing groove which is coupled to the fist pressure level through at least one incoming hole, a first guiding sheet used for the pump piston is arranged between an upper edge of the lower outgoing groove and a lower edge of the upper incoming groove, and a second guiding sheet used for the pump piston is arranged between an upper edge of the intermediate incoming groove and the lower edge of the upper incoming groove.

IPC 8 full level
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