

Title (en)
FUEL PUMP

Title (de)
KRAFTSTOFFPUMPE

Title (fr)
POMPE À CARBURANT

Publication
EP 2742231 B1 20150617 (EN)

Application
EP 12735582 A 20120719

Priority
• EP 11176843 A 20110808
• EP 2012064209 W 20120719
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Abstract (en)
[origin: EP2557306A1] A fuel pump (1) is provided for pressurising fuel in a high-pressure fuel injection system. The fuel pump (1) comprises a pump head (7), a pumping element (8), a frame (12) and a casing (3). The pump head (7) has a pumping chamber (7a) that is arranged to receive fuel to be pressurised. The pumping element (8) is arranged to reciprocate responsive to movement of a driving element (10), the pumping element (8) defining, in part, the pumping chamber (7a) so that, in use, as the pumping element (8) reciprocates, a force, transferred from the driving element (10), is applied to the fuel within the pumping chamber (7a) to pressurise the fuel. The frame (12) is arranged to support the driving element (10) and the pump head (7). The casing (3) defines an internal volume (5) for containing fluid, wherein at least a part of the frame (12), at least a part of the drive element (10), and at least a part of the pumping element are received in the casing.

IPC 8 full level
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