

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 À CARBURANT HAUTE PRESSION POUR SYSTÈME D'INJECTION DE CARBURANT D'UN MOTEUR À COMBUSTION INTERNE

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Application

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Abstract (en)

[origin: WO2022063521A1] The invention relates to a high-pressure fuel pump (22) for a fuel injection system (10) of an internal combustion engine, said fuel pump comprising a pump housing (40) and a pump cover (42) which is mounted on the pump housing (40) and which, together with the pump housing (40), delimits a low-pressure chamber (44), wherein a recess (58) is formed in the pump housing (40), in which recess a pressure-limiting valve (56) is located, wherein the recess (58) is fluidically connected to the low-pressure chamber (44) via a channel (72), wherein the channel (72) has the same or a larger cross-section at its end facing the low-pressure chamber (44) than at its end facing the recess (58).

IPC 8 full level

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