

Title (en)
HIGH-PRESSURE RADIAL PISTON PUMP

Title (de)
HOCHDRUCK-RADIALKOLBENPUMPE

Title (fr)
POMPE HAUTE PRESSION À PISTONS RADIAUX

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Application
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Abstract (en)
[origin: WO2010025981A1] The invention relates to a high-pressure radial piston pump for the fuel supply of an internal combustion engine, comprising a housing (1) having a drive shaft (2) that is accommodated therein, rotates about an axis and has a cam or eccentric disk (3) projecting in the radial direction by means of which multiple pistons (5) accommodated in cylinders (4) are engaged, which can be successively displaced in the radial direction by the cam or eccentric disk (3), wherein the housing (1) is equipped with a mounting flange for mounting the same to the internal combustion engine, wherein the cylinders (4) are connected via fuel lines, which are proportionately accommodated in the housing (1). The mounting flange (6) and the housing (1) are formed by separate parts. A low-pressure unit (7) is attached to the side of the housing (1) facing away from the mounting flange (6), wherein the mounting flange (6) and the low-pressure unit (7) are connected to the housing such that they can rotate relative to each other and to the housing (1) and together with the housing (1) limit annular channels (8) which concentrically surround the drive shaft (2), and wherein the fuel lines comprise lines that are proportionately formed by means of the annular channels (8).

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