

Title (en)
ADJUSTABLE PUMP

Title (de)
VERSTELLPUMPE MIT EINEM MENGENREGLER UND EINEM DRUCKVENTIL.

Title (fr)
POMPE À CYLINDRÉE VARIABLE

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Application
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Abstract (en)
[origin: WO2010006705A2] The invention relates to a variable displacement pump having a cam ring which can be adjusted as a function of the pressure in a first adjusting pressure chamber and in a second adjusting pressure chamber, and having a flow rate regulator which is designed as a slide valve with a flow rate regulating piston which has a plurality of control edges and which is acted on with a differential pressure prevailing upstream and downstream of a hydraulic resistance, and having a pressure valve. The invention is characterized in that the pressure valve is designed as a slide valve with a pressure regulating piston which has a pressure control edge and which is acted on, on a pressure control surface, with the pressure prevailing upstream or if appropriate downstream of the hydraulic resistance in the high-pressure region.

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