

Title (en)
VANE-CELL PUMP

Title (de)
FLÜGELZELLENPUMPE

Title (fr)
POMPE A PALETTES

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Application
EP 01915385 A 20010320

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Abstract (en)
[origin: US2003012665A1] The invention relates to a vane-cell pump comprising a pump rotor (20), provided with a radially displaceable rotor blade (22). Said pump rotor is mounted in a pump stator (12) which can be pivoted inside a pump bearing house (10) around a stationary pivotal axis (34) in a radial position with regard to said pump rotor. A control device (30) is associated with the pump stator (12) for automatic pressure adjustment. Said control device has an actuating member protruding on the outside, therefrom, perpendicular to the pivotal axis thereof. The actuating member forms a pivoting piston (38) in a guide element (10) of the pumpbearing housing (10) which is directly impinged upon by a pumping medium. The pivotable piston can pivot in a direction against the action of a pressure spring (50).

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