

Title (en)
Hydraulic vane cell machine

Title (de)
Hydraulische Flügelzellenmaschine

Title (fr)
Machine hydraulique à palettes

Publication
EP 3020917 B1 20200715 (DE)

Application
EP 14193256 A 20141114

Priority
EP 14193256 A 20141114

Abstract (en)
[origin: US2016138398A1] The invention specifies a hydraulic vane-type machine (1) having a stator (2) and having a rotor (3) which has multiple vanes (4), each of which vanes is radially displaceable in a guide (5) in the rotor (3), bears against an inner circumference (6) of the stator (2), and, together with the rotor (3), the stator (2) and in each case one side wall (7) at each axial end of the rotor (3), delimits working chambers whose volumes vary in the event of a rotation of the rotor (3) relative to the stator (2). It is sought to obtain a certain degree of freedom for the design of the inner circumference. For this purpose, it is provided that each vane (4) has, on its radially inner side, an abutment surface (17) which bears radially at the outside against a cam disk (15).

IPC 8 full level
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• DE 102011116869 A1 20130425 - DANFOSS AS [DK]
• EP 0247001 A2 19871125 - WALCHLI HANS

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