

Title (en)

VANE-CELL PUMP

Title (de)

FLÜGELZELLENPUMPE

Title (fr)

POMPE A CELLULES SEMI-ROTATIVE

Publication

EP 0910746 B1 20030305 (DE)

Application

EP 98920506 A 19980409

Priority

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Abstract (en)

[origin: WO9846884A1] A vane-cell pump has a rotor that receives a plurality of radially movable vanes, a lifting ring which surrounds the rotor and forms at least one suction and one pressure region, and at least one compression plate which forms a lateral delimiting surface of the suction and pressure regions. When the vane-cell pump is in operation, a pressure is applied to the side of the compression plate opposite to the suction and pressure regions. The vane-cell pump is characterised in that the surface (17; 19) of the compression plate (13; 15) which faces the rotor (5) has a concave shape in the unpressurised state of the vane-cell pump (1).

IPC 1-7

F04C 2/344; F04C 15/00

IPC 8 full level

F04C 2/344 (2006.01); **F04C 15/00** (2006.01)

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