

Title (en)

VANE-CELL PUMP

Title (de)

FLÜGELZELLENPUMPE

Title (fr)

POMPE A CELLULES SEMI-ROTATIVE

Publication

**EP 0910746 A1 19990428 (DE)**

Application

**EP 98920506 A 19980409**

Priority

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- EP 9802082 W 19980409

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)

CPC (source: EP US)

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Citation (search report)

See references of WO 9846884A1

Designated contracting state (EPC)

FR IT

DOCDB simple family (publication)

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