

Title (en)  
A rotating vane-pump or -motor.

Title (de)  
Gleitschieber-Drehkolbenpumpe oder -motor.

Title (fr)  
Pompe ou moteur rotatif à palettes.

Publication  
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Application  
**EP 82200165 A 19820211**

Priority  
NL 8100705 A 19810213

Abstract (en)  
The invention discloses designmeasures to improve the (volumetric) efficiency of known rotating vane-type pumps or -motors. A control-means (12, 14) is disclosed which mechanically controls the radial inward and outward movements of each vane (10) in its slot (9) in the rotor (11) during its rotation along the cylindrical inner-running-surface (2) of the housing (1) of the machine, in addition to the normal centrifugal force acting on the vanes (10). Additional springs urging the vanes outward and appropriate wear-resisting running- and sealing inlays (42) for the vanes sliding over the housing and the endcovers are resealed as well. So are sealingrings (22) or -plates between the rotor-end faces and the endcovers. All the above measures reducing blow-by and wear.

IPC 1-7  
**F04C 2/344; F01C 21/08; F01C 19/08**

IPC 8 full level  
**F01C 19/08** (2006.01); **F01C 21/08** (2006.01)

CPC (source: EP)  
**F01C 19/08** (2013.01); **F01C 21/08** (2013.01); **F01C 21/0836** (2013.01); **F04C 2240/801** (2013.01)

Citation (search report)

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