

Title (en)
LIQUID RING VACUUM PUMP

Title (de)
FLÜSSIGKEITSRING-VAKUUMPUMPE

Title (fr)
POMPE À VIDE À ANNEAU LIQUIDE

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Application
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Abstract (en)
[origin: WO2013076176A1] The invention relates to a liquid-ring vacuum pump comprising a pump casing (18) and a shaft (19) eccentrically mounted in the pump casing (18). An impeller (21) and a rotor (20) of a drive motor (20, 24) are connected to the shaft (19). A disk cam (22) is arranged parallel to the impeller (21). According to the invention, a first main bearing (22) for the shaft (19) is arranged between the impeller (21) and the rotor (20) of the drive motor, on the plane of the disk cam (22). The impeller (21) is arranged between the first main bearing (22) and a second main bearing (26). The arrangement of the bearings according to the invention prevents the shaft (19) from bending, thus allowing the leakage gap between the impeller (21) and the disk cam (22) to be kept small.

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• US 2145644 A 19390131
• WO 9708808 A1 19970306 - SULZER ELECTRONICS AG [CH], et al

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