

Title (en)
VACUUM PUMP

Title (de)
VAKUUMPUMPE

Title (fr)
POMPE À VIDE

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Abstract (en)
[origin: WO2008125155A1] The invention relates to a vacuum pump comprising a crucible-shaped housing, a rotor mounted eccentrically rotatably in the housing, a blade (20) supported displaceably perpendicular to the rotational axis in the rotor, the blade having the blade tips thereof resting against an internal circumferential surface delimiting a working space, thus dividing the working space into a suction space (32) and a pressure space (34), and the suction space being provided with an air inlet opening and the pressure space being provided with an air outlet opening, wherein the air outlet opening is provided with an outlet valve and the outlet valve (40) has a leaf spring (44) clamped on one side as a closing element, wherein the spring characteristic curve of the leaf spring changes from the clamped location (50) in the direction of the free end (62).

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