

Title (en)
MOTOR VEHICLE VACUUM PUMP

Title (de)
KFZ-VAKUUMPUMPE

Title (fr)
POMPE A VIDE DE VÉHICULE AUTOMOBILE

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Application
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Priority
EP 2015071848 W 20150923

Abstract (en)
[origin: WO2017050362A1] The invention relates to motor vehicle vacuum pump (10), comprising a pump chamber (12), in which a pump rotor (11) rotates in a compressing manner, and an outlet chamber (14), into which the compressed gas escapes from the pump chamber (12). The vacuum pump (10) has a separating wall (22), which separates the pump chamber (12) from the outlet chamber (14), and at least one outlet valve (201, 202) in the separating wall (22), which is designed as a check valve and through which the compressed gas escapes from the pump chamber (12) into the outlet chamber (14). The outlet valve (201, 202) is formed by a valve opening (241, 242) in the separating wall (22), a valve seat (30), which is provided around the valve opening (241, 242), and a leaf spring (401, 402) as a valve body. The valve seat (30) is formed in a raised manner. The radial overlap (U) of the valve seat (30) and the leaf spring (401, 402) is less than 1.5 mm, and the radial overhang (UH) of the leaf spring (401, 402) is greater than 1.0 mm.

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