

Title (en)
Motor vehicle vacuum pump

Title (de)
Kraftfahrzeug-Vakuumpumpe

Title (fr)
Pompe à vide pour véhicule automobile

Publication
EP 2908011 B1 20171108 (DE)

Application
EP 14155617 A 20140218

Priority
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Abstract (en)
[origin: WO2015124415A1] The invention relates to a motor vehicle vacuum pump (10) with a pump chamber (12), in which a pump rotor rotates in a compressing manner, an outlet chamber (14), into which the compressed gas exits from the pump chamber (12), a separation wall (22), which separates the pump chamber (12) from the outlet chamber (14), and an outlet valve (20) formed as a non-return valve in the separation wall (22), through which the compressed gas exits from the pump chamber (12) into the outlet chamber (14). The outlet valve (20) is formed by a valve opening (24) in the separation wall (22) and a valve body (40) with a closing body (42). A valve seat (30) is provided on the outlet side of the separation wall (22) around the valve opening (24), on which seat is supported the corresponding part of the closing body (42) of the valve body (40) in its closed position. The valve seat (30) and/or the corresponding part of the closing body (42) comprises several micro-grooves (32) which are oriented in the lateral direction.

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