

Title (en)  
ELECTRIC MOTOR VEHICLE VACUUM PUMP

Title (de)  
ELEKTRISCHE-KFZ-VAKUUMPUMPE

Title (fr)  
POMPE À VIDE ÉLECTRIQUE DE VÉHICULE AUTOMOBILE

Publication  
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Application  
**EP 15794896 A 20151112**

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Abstract (en)  
[origin: WO2017080599A1] The invention relates to an electric motor vehicle vacuum pump (10) with a brushless, electronically commutated, sensorless drive motor (13), wherein the electric motor vehicle vacuum pump (10) has a pump housing (12) which forms a pump chamber (16) and a pump rotor (18) compressively rotating in the pump chamber (16). The pump rotor (18) is rotatable in a forward and a backward direction of rotation. The electric motor vehicle vacuum pump (10) additionally has a forward outlet opening (47) and a separate backward outlet opening (46) which connect the pump chamber (16) to a pump outlet (49), wherein a check valve (281, 282) opening in the outlet direction is provided between outlet opening (46, 47) and pump outlet (49). The electric motor vehicle vacuum pump (10) additionally has a forward inlet opening (46) and a separate backward inlet opening (47) which connect the pump chamber (16) to a pump inlet (48), wherein a check valve (301, 302) opening in the inlet direction is provided between the inlet opening (46) and the pump inlet (48).

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