

Title (en)  
MOTOR VEHICLE VACUUM PUMP

Title (de)  
KRAFTFAHRZEUG-VAKUUMPUMPE

Title (fr)  
POMPE À VIDE DE VÉHICULE AUTOMOBILE

Publication  
**EP 4182561 A1 20230524 (EN)**

Application  
**EP 20742218 A 20200714**

Priority  
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Abstract (en)  
[origin: WO2022012745A1] The present invention is directed to a motor vehicle vacuum pump (10) comprising - a pumping unit (26) with a rotatable pump rotor (28), the pump rotor (28) being configured to pump fluid from a suction side (30) to a discharge side (32) of the pumping unit (26) during pump operation, - a pump housing (14) with a housing discharge opening (24), the housing discharge opening (24) being fluidically connected with the discharge side (32) of the pumping unit (26), and - a separate deflection element (44) which is attached to the pump housing (14) and which defines a deflection channel (48), the deflection channel (48) being fluidically connected with the housing discharge opening (24) and being configured to deflect the fluid flow which is discharged out of the housing discharge opening (24). The separate deflection element (44) allows the spatial orientation of an atmosphere-sided discharge opening to be easily adapted to different installation orientations so that liquid accumulation in the discharge flow path is reliably prevented. This provides a durable and versatile motor vehicle vacuum pump (10).

IPC 8 full level  
**F04C 29/12** (2006.01)

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