

Title (en)
ELECTRIC MOTOR VEHICLE VACUUM PUMP ARRANGEMENT

Title (de)
ELEKTRISCHE KFZ-VAKUUMPUMPEN-ANORDNUNG

Title (fr)
AGENCEMENT DE POMPE À VIDE DE VÉHICULE AUTOMOBILE ÉLECTRIQUE

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Abstract (en)
[origin: WO2014135202A1] The invention relates to an electric motor vehicle vacuum pump arrangement (10) with a composite (18) of a rotary pump assembly (40) and a coaxial drive engine (20), which has a rotor chamber (36) with an engine rotor (22) and a stator chamber (37) with an engine stator (24). The arrangement (10) further has a separate sound-proof housing (12) which houses the composite (18) in a radially and axially spaced manner and which has a suction connection (11) and a pressure connection (76). Furthermore, a gas-tight annular damping arrangement (50) is provided radially between the sound-proof housing (12) and the composite (18), and the drive engine (20) has a ventilation inlet (33) and a ventilation outlet (47) such that an axial forced ventilation is carried out past the damping arrangement (50) and through the rotor chamber (36) and/or the stator chamber (37).

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