

Title (en)
ELECTRIC MOTOR OF VEHICLE ANCILLARY UNIT

Title (de)
KFZ-HILFSAGGREGAT-ELEKTROMOTOR

Title (fr)
MOTEUR ÉLECTRIQUE DE AUXILIAIRE GÉNÉRALE DU VÉHICULE

Publication
EP 3155708 A1 20170419 (DE)

Application
EP 14730861 A 20140613

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Abstract (en)
[origin: WO2015188873A1] The invention relates to a motor vehicle auxiliary power unit electric motor (10) comprising a motor rotor (40) comprising a plurality of rotor coils (45), a mechanical commutator (48) for energizing the rotor coils (45), and a permanent magnetic motor stator (30) with a plurality of magnet poles. The motor stator (30) consists of a homogeneous stator body (32) formed as one-piece, which consists of permanent magnetic particles in a plastic composite, wherein the stator body (32) has a motor section (60) and an axially delimiting retaining section (62) in the region of the motor rotor (40) comprising the rotor coils (45). The stator body wall thickness (A) of the motor section (60) is greater than the stator body wall thickness (B) of the retaining section (62).

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