

Title (en)

BRUSHLESS DIRECT-CURRENT ELECTRIC MOTOR FOR A MOTOR VEHICLE WIPER SYSTEM

Title (de)

BÜRSTENLOSER GLEICHSTROMMOTOR FÜR EINE KRAFTFAHRZEUGWISCHERANLAGE

Title (fr)

MOTEUR ÉLECTRIQUE À COURANT CONTINU SANS BALAIS POUR SYSTÈME D'ESSUYAGE DE VÉHICULE AUTOMOBILE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2021018496A1] The invention relates to a geared motor (1) comprising a first brushless electric motor part (2) having a stator (5), a rotor (4) and a drive shaft (8), a second part (3) having an output shaft (11) and a reduction gear mechanism (M) and an electronic part (16). The reduction gear mechanism (M) comprises an output shaft (11), a worm (9) and a toothed wheel (10) designed to be engaged by the worm (9) and to drive the output shaft (11) in rotation. The geared motor (1) comprises at least one rolling guide bearing (12) disposed on the drive shaft (8) and a multipolar magnet (15) for measuring the position of the rotor (4). The rolling bearing (12) is disposed between the measurement magnet (15) and the worm (9) such that the electric motor (2) can be controlled depending on the measurement of the position of the rotor (4).

IPC 8 full level

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