

Title (en)

CIRCUIT ARRANGEMENT AND METHOD FOR OPERATION OF AN ELECTRIC MOTOR IN A DC SUPPLY NETWORK

Title (de)

SCHALTUNGSANORDNUNG UND VERFAHREN ZUM BETREIBEN EINES ELEKTROMOTORS AN EINEM GLEICHSPANNUNGSNETZ

Title (fr)

ENSEMBLE CIRCUIT ET PROCEDE POUR FAIRE FONCTIONNER UN MOTEUR ELECTRIQUE SUR UN RESEAU A TENSION CONTINUE

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Application

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Abstract (en)

[origin: WO2004057751A1] The invention relates to a circuit arrangement and a method for operation of an electric motor in a DC supply network, in particular for the operation of a DC motor with a permanent magnet magnetisation in the DC network on a motor vehicle, which comprises a rotational position sensor (32), for recording the rotational position of the rotor (20) and an electronic commutation controller (30), for switching the current in the armature winding of the stator (12), depending on the position of the rotor (20). According to the invention, the rotational position sensor (32) is positioned relative to the stator, corresponding to an early commutation and the actual commutation point is determined by a delay correction, determined by separate measurement for each motor (10), which is adjustable in the electronic commutation controller (30).

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