

Title (en)

ELECTRIC MOTOR COMMUTATOR AND METHOD FOR DRIVING AN ELECTRIC MOTOR COMMUTATOR

Title (de)

ELEKTROMOTOR-KOMMUTATOR UND VERFAHREN ZUM ANSTEUERN EINES ELEKTROMOTOR-KOMMUTATORS

Title (fr)

COMMULATEUR DE MOTEUR ÉLECTRIQUE ET PROCÉDÉ DE COMMANDE D'UN COMMULATEUR DE MOTEUR ÉLECTRIQUE

Publication

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Application

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Abstract (en)

[origin: WO2009007175A2] The invention is directed at an electric motor commutator (12) with a switching link (20) with a high-side semiconductor (T1) and a low-side semiconductor (T4). In addition, the commutator (12) has a pulse-width modulator (26) for driving the switching link (20). The pulse-width modulator (26) is connected to both of the semiconductors (T1, T4). The pulse-width modulator is alternately connected through to the two semiconductors (T1, T4). As a result, uniform heating of all of the switching semiconductors (T1, T4) of the switching link (20) is realized, with the result that the power loss and the thermal loading of the switching semiconductors are the same.

IPC 8 full level

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