

Title (en)

METHOD AND DEVICE FOR OPTIMIZING SPACE VECTOR PULSE WIDTH MODULATION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR OPTIMIERUNG EINER RAUMZEIGERPULSWEITENMODULATION

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR L'OPTIMISATION D'UNE MODULATION DE LARGEUR D'IMPULSION À VECTEUR SPATIAL

Publication

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Application

EP 09772248 A 20090529

Priority

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Abstract (en)

[origin: WO2010000548A2] The invention relates to a method for optimizing space-vector pulse width modulation. A voltage (U_z) is connected to a load (1) by combining discrete switching states of a plurality of switches (T1, T2, T3, T4, T5, T6) to control the load (1), the load (1) being switched zero voltage by two of the switching states (0, 7). The method according to the invention is characterized in that least one of the zero voltage switching states (0, 7) is omitted during a pulse width modulation period, thereby increasing the maximum control degree.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2010000548A2

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EP 1748543 A1 20070131 - BOSCH GMBH ROBERT [DE]

Cited by

DE102017206023A1; WO2018184814A1

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