

Title (en)

POWER-CONVERSION METHOD AND DEVICE AND VEHICLE COMPRISING SUCH A DEVICE

Title (de)

STROMUMWANDLUNGSVERFAHREN UND -VORRICHTUNG SOWIE FAHRZEUG MIT SOLCH EINER VORRICHTUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DE CONVERSION DE COURANT ET VÉHICULE COMPORTANT UN TEL DISPOSITIF

Publication

EP 3243270 A1 20171115 (FR)

Application

EP 16702170 A 20160106

Priority

- FR 1550045 A 20150106
- FR 2016050012 W 20160106

Abstract (en)

[origin: CA2972945A1] The present invention relates to a power-conversion method (10) for a vehicle comprising: a three-phase electric motor, - two three-phase inverters, each inverter being controlled via modulation of at least six spatial vectors, the output voltage of each inverter being given by a spatial vector referred to as "reference spatial vector". Said method comprises the following steps: - applying (11) an activation sequence to the spatial vectors of one inverter, - applying (12) an activation sequence to the spatial vectors of the other inverter, - subtracting (13) the reference spatial vector of one inverter from the reference spatial vector of the other inverter and - supplying (14) the electric motor with electric power, the voltage inducing the electric power being relative to the vector resulting from the subtraction.

IPC 8 full level

H02P 27/08 (2006.01); **H02M 7/5387** (2007.01)

CPC (source: EP KR US)

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Citation (search report)

See references of WO 2016110643A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

FR 3031423 A1 20160708; FR 3031423 B1 20181130; AU 2016205951 A1 20170706; CA 2972945 A1 20160714; CN 108124501 A 20180605; EP 3243270 A1 20171115; JP 2018506253 A 20180301; KR 20180020941 A 20180228; RU 2017127568 A 20190207; US 2018026567 A1 20180125; WO 2016110643 A1 20160714

DOCDB simple family (application)

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