

Title (en)

CURRENT CONVERSION METHOD AND DEVICE, VEHICLE COMPRISING SUCH A DEVICE

Title (de)

STROMUMWANDLUNGSVERFAHREN UND -VORRICHTUNG, FAHRZEUG MIT SOLCH EINER VORRICHTUNG

Title (fr)

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

Publication

EP 3375086 A1 20180919 (FR)

Application

EP 16809481 A 20161108

Priority

- FR 1560796 A 20151112
- FR 2016052887 W 20161108

Abstract (en)

[origin: WO2017081398A1] The present invention relates to current conversion method for an electrical device comprising: - a three-phase electric motor (245), - two three-phase inverters (225, 235), each inverter being controlled by modulation of at least six non-zero space vectors (or SVM: acronym for "Space Vector Modulation"), the output voltage of each inverter being given by a space vector termed the "reference space vector" which comprises, for each inverter, a step of modulating the space vectors by a space-vectors activation sequence (260, 265) comprising at least two switching intervals in which three adjacent space vectors are used. The present invention also relates to a device (20) for current conversion and to a vehicle implementing such a method.

IPC 8 full level

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