

Title (en)

DRIVE INVERTER HAVING AN ABNORMAL TORQUE INVERSION DETECTOR

Title (de)

ANTRIEBSINVERTER MIT DETEKTOR FÜR ABNORMALE DREHMOMENTINVERSION

Title (fr)

ONDULEUR DE PILOTAGE AVEC DÉTECTEUR D'ONDULATION ANORMALE DE COUPLE

Publication

EP 2794337 A1 20141029 (FR)

Application

EP 12810251 A 20121219

Priority

- FR 1162163 A 20111221
- EP 2012076223 W 20121219

Abstract (en)

[origin: WO2013092755A1] The invention relates to an inverter for driving an electric motor installed in a road vehicle, said inverter comprising: at least one sensor for measuring a voltage and current within the inverter; storage means for recording the values measured during one mechanical revolution of the electric motor; means for calculating, following the electric motor revolution, a mean electrical power on the basis of the recorded values and current electrical powers; means for calculating the mean value of a difference based on the current electrical powers and the mean electrical power; and means for correcting the torque inversion in the event the value of the difference is greater than a predetermined threshold.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2013092755A1

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DOCDB simple family (publication)

WO 2013092755 A1 20130627; CN 104024026 A 20140903; CN 104024026 B 20160622; EP 2794337 A1 20141029; FR 2985113 A1 20130628; FR 2985113 B1 20140124; JP 2015502736 A 20150122; US 2014361612 A1 20141211

DOCDB simple family (application)

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