

Title (en)
METHOD OF DETECTING A FAULT IN A PERMANENT-MAGNET ALTERNATOR AND POWER SUPPLY DEVICE COMPRISING A DETECTION MODULE

Title (de)
VERFAHREN ZUR FESTSTELLUNG EINES DEFEKTS BEI EINEM PERMANENTMAGNETGENERATOR UND STROMVERSORGUNGSVORRICHTUNG MIT EINEM DETEKTIONSMODUL

Title (fr)
PROCEDE DE DETECTION DE PANNE D'UN ALTERNATEUR A AIMANT PERMANENT ET DISPOSITIF D'ALIMENTATION COMPORTANT UN MODULE DE DETECTION

Publication
EP 2596374 A1 20130529 (FR)

Application
EP 11735864 A 20110718

Priority
• FR 1055871 A 20100719
• EP 2011062250 W 20110718

Abstract (en)
[origin: WO2012010557A1] Method of detecting a fault in an alternator (50) providing a three-phase electric current to a load (100), the method comprising the steps of: - determining a duty ratio of each of the phases at the output of the alternator, - determining a phase shift between the phases at the output of the alternator, - determining a presence of a fault as a function of the phase shift and of a comparison of the duty ratios. Power supply device for the implementation of this method.

IPC 8 full level
G01R 31/34 (2006.01)

CPC (source: EP US)
G01R 31/34 (2013.01 - US); **G01R 31/343** (2013.01 - EP US); **G01R 31/008** (2013.01 - EP US)

Citation (search report)
See references of WO 2012010557A1

Designated contracting state (EPC)
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FR 2962810 A1 20120120; FR 2962810 B1 20120713; CN 103026249 A 20130403; CN 103026249 B 20150401; EP 2596374 A1 20130529; US 2013187678 A1 20130725; US 8692572 B2 20140408; WO 2012010557 A1 20120126

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