

Title (en)
VARIABLE SPEED DEVICE

Title (de)
VORRICHTUNG MIT VARIABLER GESCHWINDIGKEIT

Title (fr)
ENSEMBLE FONCTIONNANT À RÉGIME VARIABLE

Publication
EP 2676362 A1 20131225 (FR)

Application
EP 12706701 A 20120216

Priority
• FR 1151281 A 20110216
• IB 2012050717 W 20120216

Abstract (en)
[origin: CN102647139A] The present invention provides a synchronous alternator comprising a coil wound rotor and an ASSEMBLY OPERATING a converter VARIABLE REGIME especially with a variable speed, power or power factor, comprising: a synchronous alternator (10) comprising a rotor coil (15) supplied with DC current via a voltage (Vf), especially by means of a dynamo (11) or direct generation via rings and collectors, and delivering an output voltage (US); and a converter (20) comprising a rectifier (21) for rectifying the voltage (US) of the alternator, the rectifier possibly being a pulse-width modulation rectifier or a diode-comprising rectifier and optionally followed by a DC/DC converter, the supply voltage (Vf) of the rotor coil being controlled by the output voltage (US) of the alternator.

IPC 8 full level
H02P 9/30 (2006.01); **F03D 7/04** (2006.01); **H02K 7/18** (2006.01); **H02K 19/28** (2006.01); **H02P 9/48** (2006.01)

CPC (source: EP KR US)
F03D 7/04 (2013.01 - KR); **H02K 19/28** (2013.01 - EP US); **H02P 9/08** (2013.01 - US); **H02P 9/14** (2013.01 - US);
H02P 9/30 (2013.01 - EP KR US); **H02P 9/305** (2013.01 - EP US); **H02P 9/48** (2013.01 - EP KR US); **H02K 7/1838** (2013.01 - EP US);
Y02E 10/72 (2013.01 - EP US)

Citation (search report)
See references of WO 2012110979A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
FR 2971648 A1 20120817; FR 2971648 B1 20161014; CN 102647139 A 20120822; CN 102647139 B 20161207; EP 2676362 A1 20131225; JP 2014506113 A 20140306; JP 2017093296 A 20170525; JP 2019149936 A 20190905; KR 20140051825 A 20140502; US 2013313828 A1 20131128; US 9431943 B2 20160830; WO 2012110979 A1 20120823

DOCDB simple family (application)
FR 1151281 A 20110216; CN 201210035643 A 20120216; EP 12706701 A 20120216; IB 2012050717 W 20120216; JP 2013554043 A 20120216; JP 2017034049 A 20170224; JP 2019113086 A 20190618; KR 20137021635 A 20120216; US 201313955788 A 20130731