

Title (en)
ELECTRIC GENERATOR HAVING PERMANENT MAGNETS AND FITTED WITH A MAGNETIC FLUX COLLECTOR

Title (de)
ELEKTRISCHER GENERATOR MIT PERMANENTMAGNETEN UND MIT EINEM MAGNETFLUSSKOLLEKTOR

Title (fr)
GÉNÉRATEUR ÉLECTRIQUE À AIMANTS PERMANENTS DOTÉ D'UN COLLECTEUR DE FLUX MAGNÉTIQUE

Publication
EP 3114759 A1 20170111 (FR)

Application
EP 15711065 A 20150305

Priority
• FR 1451794 A 20140305
• EP 2015054657 W 20150305

Abstract (en)
[origin: WO2015132352A1] Alternator (1) comprising an induction part (2) and an armature part (3) which can move with respect to one another:
- the induction part (2) comprises first and second series of magnets (5a, 5b) disposed in such a way as to form an alternation of magnets of first series and second series of magnets; - the armature part (3) comprising a core (9) and a coil (11) surrounding said core (9). The armature part (3) has a first collector (10) comprising teeth (10a) spaced apart in such a way that, during the relative displacement of the armature part (3) with respect to the induction part (2) according to said direction of displacement (4), the alternator (1) alternately adopts distinct first and second configurations in the first configuration, the teeth (10a) of the first collector (10) are opposite magnets (6) belonging to the first series of magnets (5a), and in the second configuration these teeth (10a) being opposite magnets belonging exclusively to the second series of magnets (5b).

IPC 8 full level
H02K 35/00 (2006.01); **F03B 13/18** (2006.01); **H02K 41/03** (2006.01)

CPC (source: CN EP US)
F03B 13/10 (2013.01 - EP US); **F03B 13/188** (2013.01 - EP US); **H02K 1/08** (2013.01 - US); **H02K 35/00** (2013.01 - CN EP US); **H02K 41/031** (2013.01 - EP US); **F05B 2220/7064** (2013.01 - EP US); **H02K 41/031** (2013.01 - CN); **Y02E 10/20** (2013.01 - EP US); **Y02E 10/30** (2013.01 - EP US)

Citation (search report)
See references of WO 2015132352A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2015132352 A1 20150911; CA 2941630 A1 20150911; CN 106688169 A 20170517; EP 3114759 A1 20170111; FR 3018405 A1 20150911; FR 3018405 B1 20171103; JP 2017509302 A 20170330; US 2017077793 A1 20170316; ZA 201606390 B 20180530

DOCDB simple family (application)
EP 2015054657 W 20150305; CA 2941630 A 20150305; CN 201580023804 A 20150305; EP 15711065 A 20150305; FR 1451794 A 20140305; JP 2016555759 A 20150305; US 201515123567 A 20150305; ZA 201606390 A 20160915