

Title (en)
ROTATING ELECTRIC MACHINE, IN PARTICULAR FOR THE STARTER OF AN AUTOMOTIVE VEHICLE

Title (de)
ELEKTRISCHE ROTATIONSMASCHINE, IM BESONDERN FÜR DEN STARTER EINES AUTOMOBILS

Title (fr)
MACHINE ELECTRIQUE TOURNANTE, EN PARTICULIER POUR UN DEMARREUR DE VEHICULE AUTOMOBILE

Publication
EP 2102965 A1 20090923 (FR)

Application
EP 07858757 A 20071130

Priority

- FR 2007052424 W 20071130
- FR 0655537 A 20061215
- FR 0655548 A 20061215
- FR 0655552 A 20061215
- FR 0757122 A 20070822

Abstract (en)
[origin: WO2008074954A1] The invention relates to a DC electric rotating machine mainly for the starter of an automotive vehicle, said machine including: a stator having a magnetised structure with permanent magnetisation and extending along the circumference of the stator; a rotor; a set of brushes adapted for the electric supply of the rotor y switching the electric current in sections of the rotor; the machine being characterised in that the magnetised structure (5) of the stator includes at least one sector, between two consecutive magnetic poles (N; S) of said structure, having a magnetisation vector that varies in an essentially sinusoidal manner upon displacement on the stator circumference, and in that the angular deviation of the neutral line is selected so as to improve the switching during the operation of the machine.

IPC 8 full level
H02K 1/17 (2006.01); **H02K 15/03** (2006.01); **H02K 23/04** (2006.01)

CPC (source: EP US)
H02K 1/17 (2013.01 - EP US); **H02K 7/10** (2013.01 - US); **H02K 13/10** (2013.01 - US); **H02K 23/04** (2013.01 - EP US);
H02K 15/03 (2013.01 - EP US)

Citation (search report)
See references of WO 2008074954A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2008074954 A1 20080626; EP 2102965 A1 20090923; US 2010127590 A1 20100527; US 2016065008 A1 20160303;
US 9130418 B2 20150908

DOCDB simple family (application)
FR 2007052424 W 20071130; EP 07858757 A 20071130; US 201514847958 A 20150908; US 51547007 A 20071130