

Title (en)

ELECTRICAL MACHINE COMPRISING A ROTOR PROVIDED WITH A WINDING FOR FACILITATING COMMUTATION AND RELATED STARTER

Title (de)

ELEKTRISCHE MASCHINE MIT EINEM ROTOR MIT EINER WICKLUNG ZUR EINFACHEREN KOMMUTIERUNG UND ZUGEHÖRIGER STARTER

Title (fr)

MACHINE ELECTRIQUE COMPORTANT UN ROTOR MUNI D'UN BOBINAGE PERMETTANT DE FACILITER LA COMMUTATION, ET DEMARREUR ASSOCIE

Publication

EP 2564494 A1 20130306 (FR)

Application

EP 11720560 A 20110420

Priority

- FR 1053227 A 20100427
- FR 2011050904 W 20110420

Abstract (en)

[origin: WO2011135233A1] The invention relates to a machine having a wound rotor (102) comprising a manifold (112) that includes a set of blades (131) and longitudinal notches (133). Said rotor (102) also comprises a winding (108) formed of a set of conductors (134) that each comprise two arms (135.1, 135.2), connected together by a base (136). In accordance with the invention, the curve, representing the electromotive force (EMF) generated by the rotor (102) on the basis of the angle of rotation of the rotor, is linear and steep in a switching region, and the notches (133) are angularly shifted relative to the blades (131) so that each notch (133) is located opposite a junction between two blades. The invention also relates to the related starter fitted with said machine.

IPC 8 full level

H02K 23/32 (2006.01); **H02K 23/38** (2006.01)

CPC (source: EP KR US)

H02K 3/48 (2013.01 - US); **H02K 23/32** (2013.01 - EP KR US); **H02K 23/38** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2011135233A1

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 2959360 A1 20111028; FR 2959360 B1 20130118; CN 102948050 A 20130227; CN 102948050 B 20151125; EP 2564494 A1 20130306; KR 20130079366 A 20130710; US 2013134822 A1 20130530; US 9350208 B2 20160524; WO 2011135233 A1 20111103

DOCDB simple family (application)

FR 1053227 A 20100427; CN 201180031698 A 20110420; EP 11720560 A 20110420; FR 2011050904 W 20110420; KR 20127027967 A 20110420; US 201113641524 A 20110420