

Title (en)
DEVICE FOR RECTIFYING THE CURRENT OF AN ELECTRIC ROTARY MACHIN, IN PARTICULAR MOTOR VEHICLE ALTERNATOR, AND
ROTARY ELECTRIC MACHINE INCLUDING SUCH DEVICE

Title (de)
VORRICHTUNG ZUR GLEICHRICHTUNG DES STROMS EINER ELEKTRISCHEN DREHMASCHINE, INSBESONDERE EINE
KRAFTFAHRZEUG-LICHTMASCHINE UND ELEKTRISCHE DREHMASCHINE MIT EINER SOLCHEN VORRICHTUNG

Title (fr)
AGENCEMENT DE REDRESSEMENT DE COURANT POUR MACHINE ELECTRIQUE TOURNANTE, NOTAMMENT ALTERNATEUR POUR
VEHICULE AUTOMOBILE, ET MACHINE ELECTRIQUE TOURNANTE COMPORTANT UN TEL AGENCEMENT

Publication
EP 2483997 A1 20120808 (FR)

Application
EP 10773128 A 20100929

Priority
• FR 0956797 A 20090930
• FR 2010052044 W 20100929

Abstract (en)
[origin: WO2011039468A1] The invention relates to a current-rectifying arrangement (1) for a multiphase rotary electric machine having a bearing (16, 18) provided with a perforated plate (3) including a heat sink (9) having first current-rectifying elements (8), second current-rectifying elements (10) supported by the plate (3), and a connector (113) inserted between the heat sink (9) and the plate (3), each of the first current-rectifying elements (8) being mounted in a blind cooling cell (A, B, C) defined by a projecting peripheral wall (91, 92, 93) and laterally by two projecting transverse walls extending from the outer periphery to the inner periphery of the heat sink (9), each cell comprising at least one outer hole defined by the inner periphery of the cell, and a transverse passage being provided between two transverse walls opposite two consecutive cells. The rotary electric machine includes such an arrangement. The invention can be used for an automobile alternator.

IPC 8 full level
H02K 11/04 (2006.01); **H02K 5/18** (2006.01); **H02K 5/20** (2006.01)

CPC (source: EP KR US)
F16C 37/002 (2013.01 - KR); **H02K 5/18** (2013.01 - EP KR); **H02K 5/207** (2021.01 - EP KR US); **H02K 9/227** (2021.01 - EP KR US); **H02K 11/05** (2016.01 - EP KR US); **H02K 19/22** (2013.01 - KR)

Citation (search report)
See references of WO 2011039468A1

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 SE SI SK SM TR

DOCDB simple family (publication)
FR 2950753 A1 20110401; **FR 2950753 B1 20121207**; BR 112012006272 A2 20160531; CN 102549891 A 20120704;
CN 102549891 B 20150610; EP 2483997 A1 20120808; IN 2677DEN2012 A 20150904; KR 101705394 B1 20170209;
KR 20120091030 A 20120817; WO 2011039468 A1 20110407

DOCDB simple family (application)
FR 0956797 A 20090930; BR 112012006272 A 20100929; CN 201080043955 A 20100929; EP 10773128 A 20100929;
FR 2010052044 W 20100929; IN 2677DEN2012 A 20120328; KR 20127008139 A 20100929