

Title (en)

ELECTRIC MACHINE, ESPECIALLY AN ALTERNATOR FOR MOTOR VEHICLES

Title (de)

ELEKTRISCHE MASCHINE, VORZUGSWEISE DREHSTROMGENERATOR FÜR KRAFTFAHRZEUGE

Title (fr)

MACHINE ELECTRIQUE, DE PREFERENCE ALTERNATEUR TRIPHASE POUR VEHICULES AUTOMOBILES

Publication

**EP 1454401 A2 20040908 (DE)**

Application

**EP 02802615 A 20021108**

Priority

- DE 0204170 W 20021108
- DE 10154870 A 20011108

Abstract (en)

[origin: WO03039936A2] The invention relates to an electric machine, preferably an alternator (10) for motor vehicles, comprising a current redresser unit (11) on an end plate (23) of the machine, in which a circulating fan (28) is arranged. The current redresser module is heat-conductingly fixed to a heat-conducting, annular section (23a) of the end plate (23) and the annular section surrounds an area (23b) of the end plate (23) which is provided with openings (27) through which cooling air suctioned by the fan (28) flows. The minus and plus diodes of each diode bridge of the current redresser unit are respectively arranged with an input-sided connection part added therebetween between a common plus and minus connection plate (15,17) and form the current redresser unit therewith.

IPC 1-7

**H02K 11/04**

IPC 8 full level

**H02K 9/02** (2006.01); **H02K 5/20** (2006.01); **H02K 9/06** (2006.01); **H02K 11/04** (2016.01)

CPC (source: EP US)

**H02K 5/207** (2021.01 - EP US); **H02K 11/05** (2016.01 - EP US)

Citation (search report)

See references of WO 03039936A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**WO 03039936 A2 20030515**; **WO 03039936 A3 20030814**; BR 0213933 A 20040831; DE 10154870 A1 20030626; EP 1454401 A2 20040908; JP 2005508130 A 20050324; US 2004232783 A1 20041125

DOCDB simple family (application)

**DE 0204170 W 20021108**; BR 0213933 A 20021108; DE 10154870 A 20011108; EP 02802615 A 20021108; JP 2003541998 A 20021108; US 48565304 A 20040203