

Title (en)

BATTERY CHARGING DEVICE, METHOD FOR OPERATING SUCH A BATTERY CHARGING DEVICE AND POWER CONVERTER

Title (de)

BATTERIELADEGERÄT, VERFAHREN ZUM BETREIBEN EINES SOLCHEN BATTERIELADEGERÄTS UND STROMWANDLER

Title (fr)

APPAREIL CHARGEUR DE BATTERIE, PROCEDE DE FONCTIONNEMENT DE CET APPAREIL CHARGEUR DE BATTERIE ET TRANSFORMATEUR DE COURANT

Publication

EP 1935084 A1 20080625 (DE)

Application

EP 06774772 A 20060908

Priority

- AT 2006000374 W 20060908
- AT 16552005 A 20051011

Abstract (en)

[origin: WO2007041729A1] The invention describes a battery charging device (1) with active rectification, having at least one control apparatus (1a), a rectifier (2), a bridge circuit (5), a transformer (6) and an output rectifier or a synchronous rectifier (7) with an output filter. On the secondary side, for each secondary winding (13, 14) a current sensor (10, 11) or, in the case of one secondary winding, at least one or two current sensors (10, 11) is/are provided which is/are connected to an evaluation unit (12) for transmitting a signal (15), which corresponds to the current value, in particular an actual voltage value, and the evaluation unit (12) is designed to drive the synchronous rectifier (7), in particular to switch switching elements off in the zero crossing.

IPC 8 full level

H02M 3/335 (2006.01); **H02J 7/02** (2006.01)

CPC (source: EP US)

H01F 30/12 (2013.01 - EP US); **H02J 7/02** (2013.01 - EP US); **H02M 3/28** (2013.01 - EP); **H01F 27/40** (2013.01 - EP); **H02J 2207/20** (2020.01 - EP US); **Y02B 40/00** (2013.01 - EP)

Citation (search report)

See references of WO 2007041729A1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007041729 A1 20070419; AT 502244 A4 20070215; AT 502244 B1 20070215; EP 1935084 A1 20080625

DOCDB simple family (application)

AT 2006000374 W 20060908; AT 16552005 A 20051011; EP 06774772 A 20060908