

Title (en)  
DEVICE FOR CHARGING A BATTERY

Title (de)  
VORRICHTUNG ZUM AUFLADEN EINER BATTERIE

Title (fr)  
DISPOSITIF POUR CHARGER UNE BATTERIE

Publication  
**EP 2545629 A2 20130116 (DE)**

Application  
**EP 10750123 A 20100908**

Priority  
• DE 102009045111 A 20090929  
• EP 2010063150 W 20100908

Abstract (en)  
[origin: WO2011039035A2] The invention relates to a device for charging a battery, comprising a transistor through which a charging current flows from a voltage source into the battery connected to the device, and which has a control input to which a current source is connected, said current source adjusting the control current for the transistor such that the transistor switches off when the battery reaches a pre-determined maximum charge voltage, and thereby interrupts the charging current flow. The current source adjusts the control current of the transistor during the charging such that the transistor is operated beyond its saturation.

IPC 8 full level  
**H02J 7/00** (2006.01)

CPC (source: EP US)  
**H01M 10/44** (2013.01 - EP US); **H02J 7/007182** (2020.01 - EP US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)  
See references of WO 2011039035A2

Citation (examination)  
CN 101102051 A 20080109 - EMERSON NETWORK POWER CO LTD [CN]

Cited by  
CN109004705A

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

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**DE 102009045111 A1 20110331**; EP 2545629 A2 20130116; WO 2011039035 A2 20110407; WO 2011039035 A3 20120823

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