

Title (en)

METHOD AND DEVICE FOR CHARGING A BATTERY

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUFLADEN EINER BATTERIE

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR CHARGER UNE BATTERIE

Publication

EP 2556576 A2 20130213 (DE)

Application

EP 11707138 A 20110223

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Abstract (en)

[origin: WO2011124411A2] The invention relates to a method for charging a battery (2), in particular a lithium ion battery, comprising the following steps: charging the battery (2) with a constant charging current (IL) in a first phase (I), charging the battery (2) with a constant charging voltage (UL) in a subsequent second phase (II), terminating the charging in accordance with a predefinable limit value of the charging current (IL) in the second phase (II). The following steps are implemented: comparing a guide voltage (UF) which is predefined for adjusting the constant voltage with a least one stored switch-off value which is determined in accordance with the limit value, and terminating the charging when the guide voltage (UF) reaches the switch-off value. The invention further relates to a device for charging a battery.

IPC 8 full level

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Citation (search report)

See references of WO 2011124411A2

Citation (examination)

- US 2006087290 A1 20060427 - NISHIDA JUNJI [JP], et al
- US 2009096427 A1 20090416 - YANG KEN [US]

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