

Title (en)

METHOD AND DEVICE FOR OPTIMIZED RECHARGING OF AN ELECTRIC BATTERY

Title (de)

VERFAHREN UND VORRICHTUNG ZUR OPTIMIERTEN WIEDERAUFLADUNG EINER ELEKTRISCHEN BATTERIE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE RECHARGE OPTIMISÉE DE BATTERIE ÉLECTRIQUE

Publication

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Application

**EP 12767031 A 20120906**

Priority

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Abstract (en)

[origin: WO2013034854A2] The invention relates to a method of optimized recharging of the electric battery (BAT) of at least one electrical system (VE) by an electrical recharging device (TE), in which the electric battery is recharged (400) during at least one time interval ( $\Delta T_{chg(i)}$ ) by applying a charging power level ( $P_{k(i)}$ ) associated with this time interval, this time interval ( $\Delta T_{chg(i)}$ ) belonging to an available charging time period ( $T_d$ ) initiated by the connecting of the recharging system of the electric battery to the electrical recharging device, and the charging power level ( $P_{k(i)}$ ) being determined (300) as a function of a charging curve (TLC) associated with the electrical recharging device and of the residual electrical energy ( $E_{in}$ ) contained in the electric battery upon the connecting of the electric battery charging system to the electrical recharging device. The invention also relates to a device (TE) for optimized recharging implementing such a method, as well as to an optimized recharging system (SE) comprising such an optimized recharging device.

IPC 8 full level

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