

Title (en)

POWER SUPPLY AND METHOD FOR OPERATING THE POWER SUPPLY

Title (de)

STROMVERSORGUNG UND VERFAHREN ZUM BETREIBEN DER STROMVERSORGUNG

Title (fr)

ALIMENTATION ÉLECTRIQUE ET PROCÉDÉ DE FONCTIONNEMENT DE LADITE ALIMENTATION ÉLECTRIQUE

Publication

**EP 2577838 A1 20130410 (DE)**

Application

**EP 11720071 A 20110505**

Priority

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- EP 2011057173 W 20110505

Abstract (en)

[origin: WO2011151124A1] The invention relates to a power supply, to a controller (5), and to a power element (1), wherein a DC compensation voltage (UL) is present at a first output (OUT1) of the power element (1), to which a load (3) having variable current draw can be connected. A second output (OUT2) of the power element (1) is thereby fed through a current measurement device, wherein a rechargeable battery (4) is connected to the said second output (OUT2). A charging current (IL-) or discharge current of the rechargeable battery (4) measured by means of the current measuring device is set by controlling the DC compensating voltage (UL). The charging current or discharge current of the rechargeable battery (4) can thereby be determined even without a dedicated UPS assembly.

IPC 8 full level

**H02J 7/00** (2006.01)

CPC (source: AT EP US)

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Citation (search report)

See references of WO 2011151124A1

Citation (examination)

- DE 202008002173 U1 20080710 - BACIC ROBERT [DE]
- US 5528149 A 19960618 - CHEN ZHONG X [US]
- US 5969436 A 19991019 - CHALASANI SUBHAS C [US], et al
- GB 2310089 A 19970813 - NOKIA TELECOMMUNICATIONS OY [FI]

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DOCDB simple family (publication)

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