

Title (en)

METHOD AND APPARATUS FOR REGULATING CHARGING OF ELECTROCHEMICAL CELLS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR REGULIERUNG DES AUFLADENS VON ELEKTROCHEMISCHEN ZELLEN

Title (fr)

PROCEDE ET APPAREIL DE REGULATION DE LA CHARGE DE CELLULES ELECTROCHIMIQUES

Publication

**EP 1559154 A2 20050803 (EN)**

Application

**EP 03777983 A 20031027**

Priority

- US 0334363 W 20031027
- US 42162402 P 20021025

Abstract (en)

[origin: WO2004038831A2] A rechargeable electrochemical cell is provided having a pressure-responsive apparatus for determining a charge termination point. In particular, a reversible pressure-responsive switch may be disposed in a cap at the open end of a rechargeable metal hydride cell. The reversible pressure-responsive switch may also contain a vent system for releasing the cell internal pressure. Additionally, a rechargeable cell is used combination with a charging source that can supply constant voltage, constant current, alternating current, or voltage that varies between a minimum threshold and a maximum threshold. Components of the switch are preferably made of a material that facilitates predictable switch activity.

IPC 1-7

**H01M 2/34**; **H01M 10/34**; **H01M 10/44**; **H01M 2/12**; **H01M 2/08**

IPC 8 full level

**H01M 10/34** (2006.01); **H01M 10/44** (2006.01); **H01M 50/574** (2021.01)

IPC 8 main group level

**H01M** (2006.01)

CPC (source: EP US)

**H01M 10/345** (2013.01 - EP); **H01M 10/441** (2013.01 - EP); **H01M 10/445** (2013.01 - EP); **H01M 50/574** (2021.01 - EP US); **H01M 50/578** (2021.01 - EP); **H01M 50/325** (2021.01 - EP); **Y02E 60/10** (2013.01 - EP)

Citation (search report)

See references of WO 2004038831A2

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