(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
27 September 2007 (27.09.2007)

PCT

(10) International Publication Number
WO 2007/108819 A1

(51) International Patent Classification:
H04B 1/16 (2006.01)

(21) International Application Number:
PCT/US2006/029486

(22) International Filing Date: 27 July 2006 (27.07.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/785,078 22 March 2006 (22.03.2006) US

(71) Applicant *(for all designated States except US)*: **FIREFLY POWER TECHNOLOGIES, INC.** [US/US]; 114 North Saint Clair Street, P.O. Box 601, Ligonier, PA 15658 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **GREENE, Charles, E.** [US/US]; 10115 Frankstown Road, Pittsburgh, PA 15235 (US). **HARRIST, Daniel, W.** [US/US]; 400 Branch Street, Carnegie, PA 15106 (US). **SHEARER, John, G.** [US/US]; 22 Caven Road, Ligonier, PA 15658 (US).

(74) Agent: **SCHWARTS, Ansel, M.**; Attorney at Law, 201 N. Craig Street, Suite 304, Pittsburgh, PA 15213 (US).

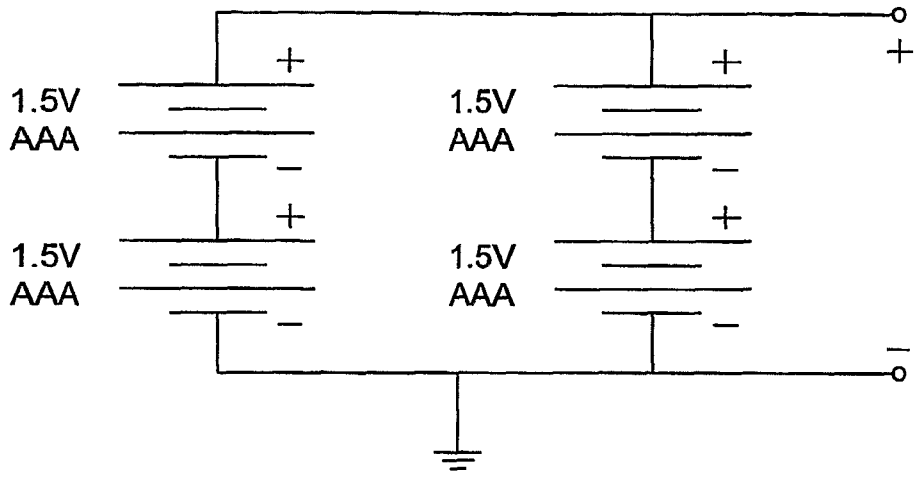
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) **Title:** METHOD AND APPARATUS FOR IMPLEMENTATION OF A WIRELESS POWER SUPPLY



(57) **Abstract:** An apparatus, for wirelessly powering a device having an enclosure for a charge storage component, includes a wireless power supply which fits into the enclosure. The apparatus includes an antenna connected to the wireless power supply. A battery. A cell phone cover for a cell phone. A headphone. A wireless power adapter for a DC jack. Alternatively, the apparatus includes a substrate having discrete components and integrated circuits disposed in the device. A method for wirelessly powering a device having an enclosure for a charge storage component.

WO 2007/108819 A1