



- (51) **International Patent Classification:**  
*H02J 17/00* (2006.01) *H02J 7/02* (2006.01)
- (21) **International Application Number:**  
PCT/US2011/067258
- (22) **International Filing Date:**  
23 December 2011 (23.12.2011)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**  
61/428,055 29 December 2010 (29.12.2010) US
- (71) **Applicant (for all designated States except US):** **PROTEUS BIOMEDICAL, INC.** [US/US]; 2600 Bridge Parkway, Suite 101, Redwood City, California 94065 (US).
- (72) **Inventors; and**
- (75) **Inventors/Applicants (for US only):** **WHITWORTH, Adam** [US/US]; 1900 Aberdeen Lane, Mountain View, California 94043 (US). **NILAY, Jani** [IN/US]; 370 Elan Village Lane, Apt 207, San Jose, California 95051 (US).
- (74) **Agent:** **FIELD, Bret E.**; Bozicevic, Field & Francis LLP, 1900 University Avenue, Ste 200, East Palo Alto, California 94303 (US).

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

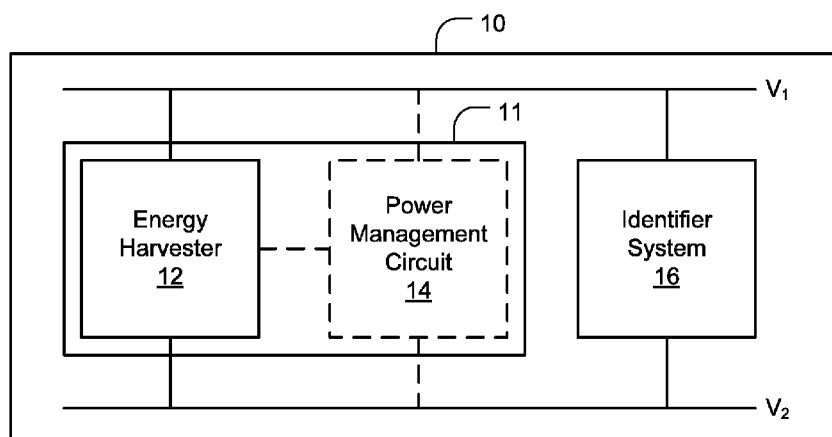
(84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— with international search report (Art. 21(3))

(88) **Date of publication of the international search report:**  
22 November 2012

(54) **Title:** WIRELESSS ENERGY SOURCES FOR INTEGRATED CIRCUITS



**FIG. 1**

(57) **Abstract:** A system comprising a control device and a wireless energy source electrically coupled to the control device is disclosed. The wireless energy source comprises an energy harvester to receive energy at an input thereof in one form and to convert the energy into a voltage potential difference to energize the control device. Also disclosed, is the system further comprising a partial power source. Also disclosed, is the system further comprising a power source.