

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
26 August 2010 (26.08.2010)

PCT

(10) International Publication Number
WO 2010/096682 A8(51) International Patent Classification:
H02J 13/00 (2006.01) **G05F 1/70** (2006.01)(US). **WISEMAN, Kurt, W.** [US/US]; 1830 Vistazo Street West, Tiburon, CA 94920 (US).(21) International Application Number:
PCT/US2010/024780(74) Agents: **VINCENT, Lester, J.** et al.; Blakely, Sokoloff, Taylor & Zafman LLP, 1279 Oakmead Parkway, Sunnyvale, CA 94085-4040 (US).(22) International Filing Date:
19 February 2010 (19.02.2010)

(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, RO, RS, RU, 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.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/153,940 19 February 2009 (19.02.2009) US
61/165,167 31 March 2009 (31.03.2009) US
61/263,239 20 November 2009 (20.11.2009) US
12/708,514 18 February 2010 (18.02.2010) US(71) Applicant (for all designated States except US):
XSLENT ENERGY TECHNOLOGIES, LLC [US/US]; 7428 Redwood Boulevard, Suite 102, Novato, CA 94945 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MATAN, Stefan** [BG/US]; 487 Lea Court, Novato, CA 94945 (US). **WESTBROCK, William, B., JR.** [US/US]; 533 Wakerobin Lane, San Rafael, CA 94903 (US). **HORTON, Fred, C.** [US/US]; 5467 Pepperwood Road, Santa Rosa, CA 95409 (US). **KLEMM, Joseph, M.** [US/US]; 2060 Oak Ridge Drive, Santa Clara, CA 95425 (US). **MARRONE, Frank, P.** [US/US]; 101 Oakbrooke Lane, Cloverdale, CA 95425 (US). **MCKINLEY, Arnold, F.** [US/US]; 342 Lowell Avenue, Mill Valley, CA 94941

(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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, 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:
27 January 2011

[Continued on next page]

(54) Title: POWER TRANSFER MANAGEMENT FOR LOCAL POWER SOURCES OF A GRID-TIED LOAD

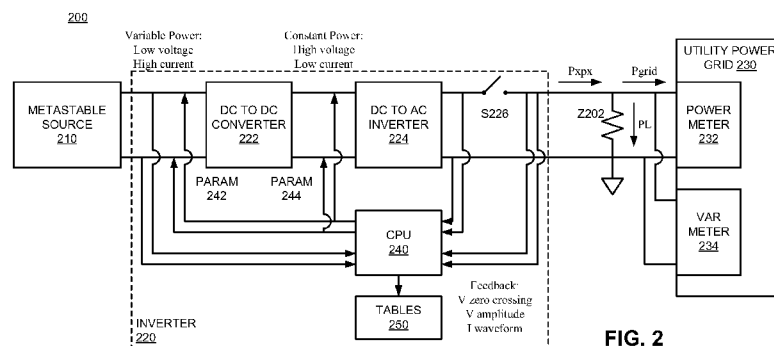


FIG. 2

(57) Abstract: A power transfer system provides power factor conditioning of the generated power. Power is received from a local power source, converted to usable AC power, and the power factor is conditioned to a desired value. The desired value may be a power factor at or near unity, or the desired power factor may be in response to conditions of the power grid, a tariff established, and/or determinations made remotely to the local power source. Many sources and power transfer systems can be put together and controlled as a power source farm to deliver power to the grid having a specific power factor characteristic. The farm may be a grouping of multiple local customer premises. AC power can also be conditioned prior to use by an AC to DC power supply for more efficient DC power conversion.



(48) Date of publication of this corrected version:

8 March 2012

Previous Correction:

see Notice of 22 December 2011

(15) Information about Corrections:

see Notice of 8 March 2012