

(43) International Publication Date
7 February 2013 (07.02.2013)(51) International Patent Classification:
G01R 21/00 (2006.01)(21) International Application Number:
PCT/IN2012/000531(22) International Filing Date:
30 July 2012 (30.07.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/514,103 2 August 2011 (02.08.2011) US

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Madhav Dutta Garden Lane, Kolkata 700010, West Bengal
(IN).(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, BN, 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, 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:

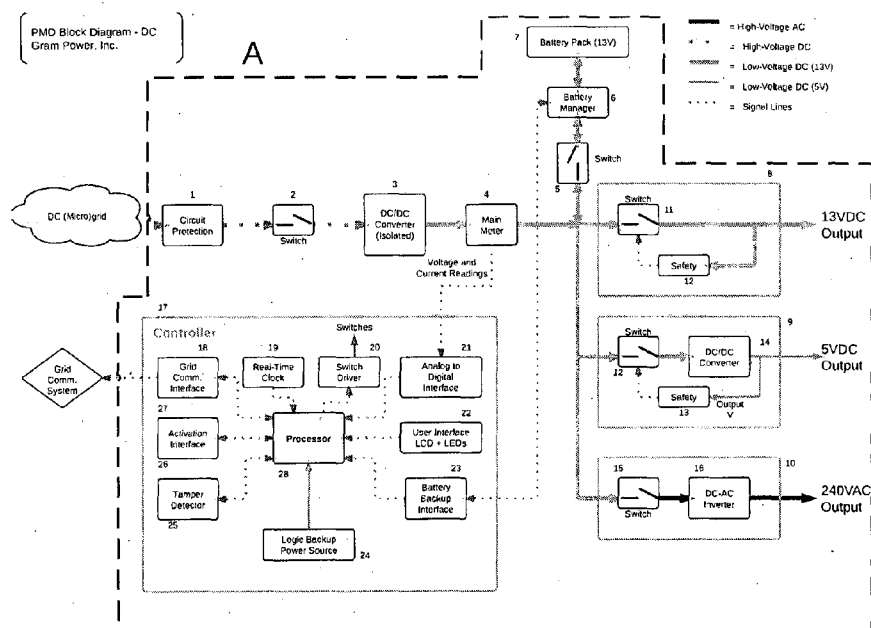
— with international search report (Art. 21(3))

— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

11 April 2013

(54) Title: POWER MANAGEMENT DEVICE AND SYSTEM



(57) Abstract: An intelligent user-side power management device (PMD) that is comprised of an optional energy storage unit and can interface with a utility grid or microgrid to eliminate power theft and efficiently provide clean energy to the users of the grid while helping the grid to do smart demand response management, particularly for renewable energy based grids that need to efficiently manage the slack due to the large variability in power generation through these energy sources.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IN2012/000531

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G01R 21/00 (2012.01)

USPC - 700/286

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - G01R 21/00, 22/00; G06Q 50/06 (2012.01)

USPC - 700/286, 291, 295; 702/57, 61

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
CPC - G06F 17/5036; G06Q 50/06; G01R 19/2513; G01R 21/133; H02J 3/00; H02J 13/0086

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PatBase, Orbit.com, Google Patents, Google

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X -- Y	US 2011/0185303 A1 (KATAGI et al) 28 July 2011 (28.07.2011) entire document	11-13, 16-20, 24-26 ----- 14-15, 21-23
Y	US 7,925,906 B2 (RANGANATHAN et al) 12 April 2011 (12.04.2011) entire document	14-15, 23
Y	US 6,169,391 B1 (LEI) 02 January 2001 (02.01.2001) entire document	21-22
A	US 2009/0281673 A1 (TAFT) 12 November 2009 (12.11.2009) entire document	1-27
A	US 2009/0102424 A1 (TIEN et al) 23 April 2009 (23.04.2009) entire document	1-27
A	US 2011/0084553 A1 (ADEST et al) 14 April 2011 (14.04.2011) entire document	1-27
A	US 2009/0189445 A1 (STRIZKI) 30 July 2009 (30.07.2009) entire document	1-27

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Date of the actual completion of the international search

31 January 2013

Date of mailing of the international search report

20 FEB 2013

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents

P.O. Box 1450, Alexandria, Virginia 22313-1450

Facsimile No. 571-273-3201

Authorized officer:

Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300

PCT OSP: 571-272-7774