

(43) International Publication Date
26 February 2015 (26.02.2015)

- (51) International Patent Classification:
G01R 11/32 (2006.01) *G01R 21/00* (2006.01)
- (21) International Application Number:
PCT/AU2014/000831
- (22) International Filing Date:
22 August 2014 (22.08.2014)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
2013903207 23 August 2013 (23.08.2013) AU
- (71) Applicant: **ECRTECH HOLDINGS PTY LTD**
[AU/AU]; c/- Fisher Adams Kelly, Level 29, 12 Creek
Street, Brisbane, Queensland 4000 (AU).
- (72) Inventors: **CAMPEANU, Thomas**; c/- Fisher Adams
Kelly, Level 29, 12 Creek Street, Brisbane, Queensland
4000 (AU). **CAMPEANU, Ron**; c/- Fisher Adams Kelly,
Level 29, 12 Creek Street, Brisbane, Queensland 4000
(AU).
- (74) Agent: **FISHER ADAMS KELLY**; Level 29, 12 Creek
Street, Brisbane, Queensland 4001 (AU).

(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, IR, IS, JP, KE, KG, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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, ST, 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, KM, ML, MR, NE, SN, TD, TG).

Published:

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

(54) Title: ELECTRICAL POWER MEASUREMENT SYSTEM AND METHOD

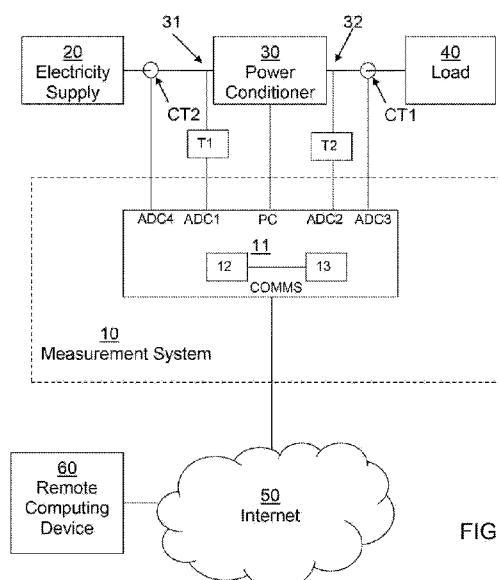


FIG. 1

(57) Abstract: A method of measuring electrical power including the steps of measuring a first electrical input variable at an input to a power conditioner connected to an electricity supply, measuring one or more electrical output variables at an output of the power conditioner, calculating a second electrical input variable at the input to the power conditioner according to the one or more electrical output variables measured at the output and the first electrical input variable measured at the input, calculating an estimated power according to the measured first electrical input variable and the calculated second electrical input variable, and sending the estimated power via a data interface.