



- (51) International Patent Classification:
G01R 22/10 (2006.01)
- (21) International Application Number:
PCT/US2023/018017
- (22) International Filing Date:
10 April 2023 (10.04.2023)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
17/720,023 13 April 2022 (13.04.2022) US
- (71) Applicant: **LANDIS+GYR INNOVATIONS, INC.**
[US/US]; 30000 Mill Creek Avenue, Suite 100, Alpharetta,
Georgia 30022 (US).
- (72) Inventors: **STENBERG, David**; 2800 Duncan Road,
Lafayette, Indiana 47904 (US). **BOBICK, David A.**; 2004
Longspur Drive, West Lafayette, Indiana 47906 (US).
- (74) Agent: **HOLMES, Brenda O.** et al.; Kilpatrick Townsend
& Stockton LLP, Suite 2800, 1100 Peachtree Street NE,
22nd Floor - IP Docketing, Atlanta, Georgia 30309 (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, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,
KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,
MA, MD, MG, MK, MN, MU, 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, ST, SV, SY, TH,

(54) Title: CONTINUOUS WAVEFORM STREAMING

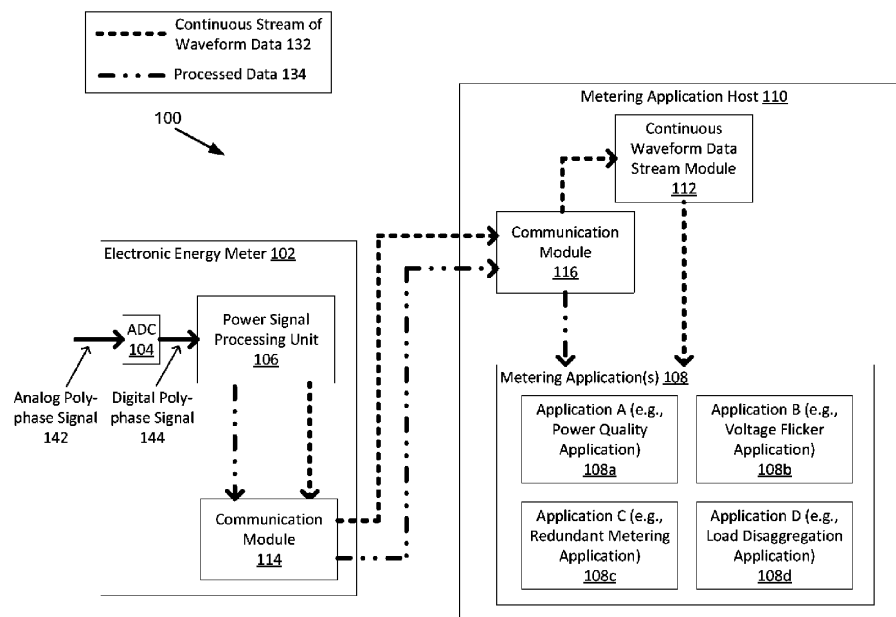


FIG. 1

(57) Abstract: A method for operating an electricity metering system is provided. The metering system includes an electronic energy meter and a metering application host. The method includes: receiving, by the electronic energy meter, an analog signal associated with power delivered using alternating current (AC); converting, by the electronic energy meter, the analog signal to a digital signal; generating, by the electronic energy meter, processed data and a continuous stream of waveform data; receiving, by a continuous waveform data stream module of the metering application host, the continuous stream of waveform data; requesting, by a first metering application hosted by the metering application host, at least a first portion of the continuous stream of waveform data; and transferring, by the continuous waveform data stream module, the at least a first portion of the continuous stream of waveform data to the first metering application.

[Continued on next page]

TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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))*
- *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))*