

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
09 September 2022 (09.09.2022)



(10) International Publication Number
WO 2022/187669 A1

- (51) **International Patent Classification:**
H02J 3/00 (2006.01) *H02J 13/00* (2006.01)
- (21) **International Application Number:**
PCT/US2022/018973
- (22) **International Filing Date:**
04 March 2022 (04.03.2022)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
63/156,992 05 March 2021 (05.03.2021) US
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- (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, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,

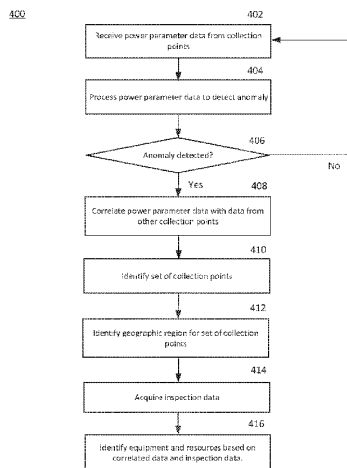
HR, HU, ID, IL, IN, IR, IS, IT, JM, JO, JP, KE, KG, KH,
KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA,
MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI,
NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU,
RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM,
ZW.

- (84) **Designated States** (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, 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))
- 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))

(54) **Title:** USING WAVEFORM DATA TO IDENTIFY AN INSPECTION ZONE FOR A RESOURCE DISTRIBUTION SYSTEM



(57) **Abstract:** Temporary outages or degradation of a resource, such as electric power, may be detected by identifying anomalies in waveform data collected by collection points. The collection points may be distributed throughout a resource distribution system and configured to communicate data to a headend system. The headend system processes the data to identify anomalies and to correlate waveform data collected by different collection points. The geographic locations of the collection points with correlated data are used to identify a geographic region. An unmanned aerial vehicle may be used to conduct an inspection of the geographic region and to collect inspection data. The inspection data may be communicated to the headend system. The waveform data and the inspection data may be used to determine the correct resources to deploy to address the cause of the anomaly.

FIG. 4

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