

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
22 September 2022 (22.09.2022)



(10) International Publication Number
WO 2022/194857 A1

(51) International Patent Classification:
G01R 27/20 (2006.01)

(21) International Application Number:

PCT/EP2022/056680

(22) International Filing Date:

15 March 2022 (15.03.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

202111011776 19 March 2021 (19.03.2021) IN

(71) Applicant: **DEHN SE** [DE/DE]; Hans-Dehn-Straße 1,
92318 Neumarkt i.d.OPf. (DE).

(72) Inventors: **SAINI, Sunil**; c/o DEHN INDIA, Plot No. 213,
Sector - 7 IMT, Manesar Gurugram, Haryana 122050 (IN).
ALMADI, Vikas; c/o DEHN INDIA, Plot No. 213, Sector
- 7 IMT, Manesar Gurugram, Haryana 122050 (IN). **SAINI,
Puneet**; c/o DEHN INDIA, Plot No. 213, Sector - 7 IMT,

Manesar Gurugram, Haryana 122050 (IN). **KUMAR, Anil**;
c/o DEHN INDIA, Plot No. 213, Sector - 7 IMT, Manesar
Gurugram, Haryana 122050 (IN).

(74) Agent: **PRINZ & PARTNER MBB PATENT- UND
RECHTSANWÄLTE**; Rundfunkplatz 2, 80335 München
(DE).

(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.

(54) Title: MULTI-CHANNEL AUTOMATED EARTH GROUND RESISTANCE SYSTEM AND METHOD FOR MEASURING
EARTH GROUND RESISTANCE

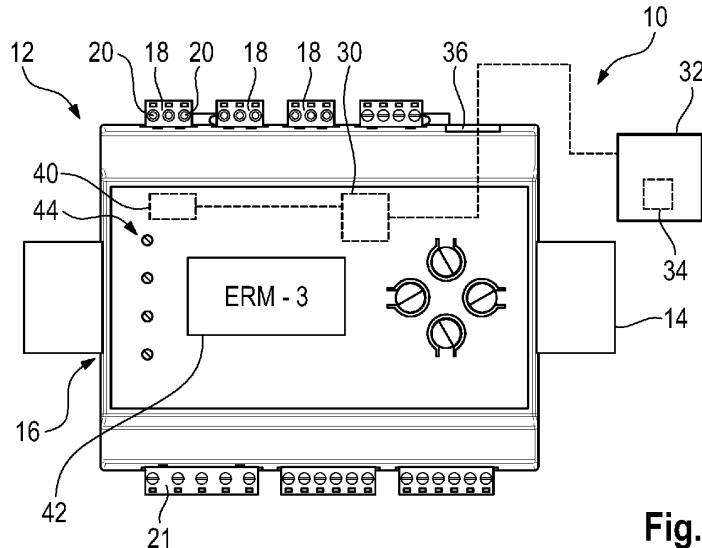


Fig. 1

(57) **Abstract:** The invention relates to a method of measuring earth ground resistance. The method comprises the steps of: - Performing an earth ground resistance measurement by means of an earth ground measurement device, thereby obtaining measurement data, - Gathering the measurement data via at least two different channels of the earth ground measurement device such that multiple measurements are performed at once, wherein each channel is configured to perform an earth ground resistance measurement, and - Uploading the measurement data automatically to a remote processing module separately formed with respect to the earth ground measurement device. Further, a system for measuring earth ground resistance is described.

[Continued on next page]

WO 2022/194857 A1

(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))