

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
30 January 2025 (30.01.2025)



(10) International Publication Number
WO 2025/022106 A1

(51) International Patent Classification:
H01R 4/66 (2006.01)

(21) International Application Number:
PCT/GB2024/051927

(22) International Filing Date:
22 July 2024 (22.07.2024)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2311401.0 25 July 2023 (25.07.2023) GB
2403587.5 12 March 2024 (12.03.2024) GB

(71) Applicant: **KINGSMILL INDUSTRIES (UK) LIMITED** [GB/GB]; 4 Plymouth Avenue, Pinxton Derbyshire NG16 6NS (GB).

(72) Inventors: **THORPE, David**; 4 Plymouth Avenue, Pinxton Derbyshire NG16 6NS (GB). **KHERIF, Omar**; 4 Plymouth Avenue, Pinxton Derbyshire NG16 6NS (GB).

(74) Agent: **SWINDELL & PEARSON LIMITED**; 48 Friar Gate, Derby Derbyshire DE1 1GY (GB).

(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, 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))

(54) Title: PREFABRICATED EARTH ELECTRODE

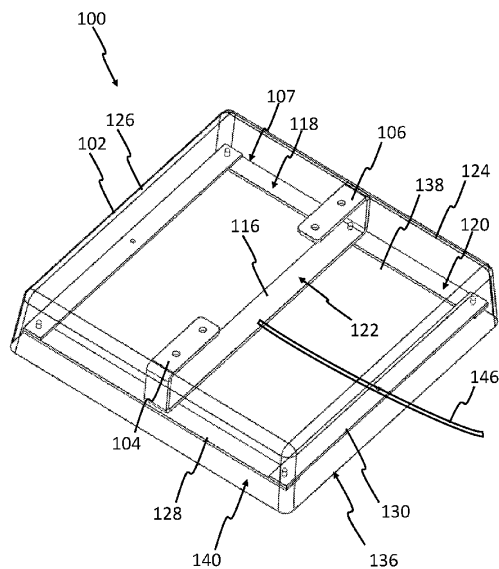


FIG. 6

(57) Abstract: A prefabricated earth electrode comprising a cementitious body and a first terminal electrically connected to elongate conductors within the cementitious body, wherein the elongate conductors define a plurality of parallel electrical paths each electrically connected to the first terminal.

WO 2025/022106 A1