

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
01 October 2020 (01.10.2020)



(10) International Publication Number
WO 2020/197406 A1

- (51) **International Patent Classification:**
B60L 53/16 (2019.01) *H01R 136/66* (2006.01)
- (21) **International Application Number:**
PCT/NO2020/050081
- (22) **International Filing Date:**
23 March 2020 (23.03.2020)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
20190387 22 March 2019 (22.03.2019) NO
- (71) **Applicant:** EASEE AS [NO/NO]; Professor Olav Hanssens vei 7A, 4021 Stavanger (NO).
- (72) **Inventors:** NÆSJE, Kjetil; Askeveien 8, 4314 Sandnes (NO). HELMIKSTØL, Jonas; Gosenstubben 53, 4041 Hafslsfjord (NO). MØLGAARD, Steffen; Adjunkt Hauglands gate 26, 4022 STAVANGER (NO). STENGEL, Ola; Forusvågen 83, 4033 Stavanger (NO).
- (74) **Agent:** HÅMSØ PATENTBYRÅ AS; P.O. Box 171, 4301 SANDNES (NO).
- (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, 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))

(54) **Title:** CIRCUIT BOARD FOR AN ELECTRIC VEHICLE CHARGING STATION

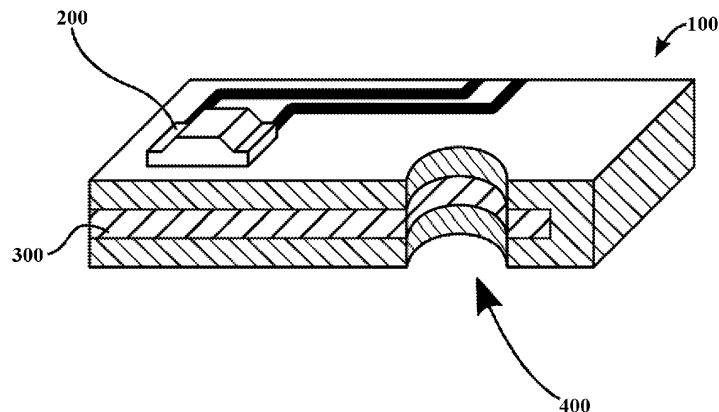


Fig. 3

(57) **Abstract:** Disclosed is a circuit board (100) for an electric vehicle charging station (1), comprising a temperature sensor (200) and a conductive track (300) having a terminal (300T) for transferring electrical power between the conductive track (300) and the exterior of the charging station (1). The temperature sensor (200) and the conductive track (300) are separated by at least one insulation layer (120, 121, 122) so that the temperature of the conductive track (300) is measurable by the temperature sensor (200) through the at least one insulation layer (120, 121, 122).



WO 2020/197406 A1