

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
05 June 2025 (05.06.2025)



(10) International Publication Number
WO 2025/117932 A1

(51) International Patent Classification:

A61B 5/274 (2021.01) A61B 5/251 (2021.01)
A61B 5/282 (2021.01)

SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, KM, ML, MR, NE, SN, TD, TG).

(21) International Application Number:

PCT/US2024/058043

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))

(22) International Filing Date:

02 December 2024 (02.12.2024)

Published:

— with international search report (Art. 21(3))

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/605,431 01 December 2023 (01.12.2023) US
18/962,578 27 November 2024 (27.11.2024) US

(71) Applicant: KPR U.S., LLC [US/US]; 7000 Cardinal Place,
Dublin, Ohio 43017 (US).

(72) Inventors: BEAULIEU, Kevin; c/o KPR U.S., LLC, 7000
Cardinal Place, Dublin, Ohio 43017 (US). GARSTKA, Er-
ick; c/o KPR U.S., LLC, 7000 Cardinal Place, Dublin, Ohio
43017 (US). CHU, Michael; c/o KPR U.S., LLC, 7000 Car-
dinal Place, Dublin, Ohio 43017 (US). LAWLOR, Gar-
rett; c/o KPR U.S., LLC, 7000 Cardinal Place, Dublin, Ohio
43017 (US).

(74) Agent: CHESSER, Wilburn L. et al.; ArentFox Schiff,
1717 K Street, N.W., Washington, District of Columbia
20006-5344 (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,
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,

(54) Title: ECG ELECTRODE WITH RETENTION FEATURE

(57) Abstract: A biomedical electrode, and in particular an electrocardiogram (ECG) electrode, has one or more retention features for retaining a connector of a lead wire on the electrode. A retention member of a stud of the electrode includes a first retainer for engaging and retaining a first type of connector to the stud and a second retainer for engaging and retaining a second type of connector to the stud, where the first and second types of connectors having different connection methods.

WO 2025/117932 A1