

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
26 June 2025 (26.06.2025)



(10) International Publication Number
WO 2025/137324 A1

(51) International Patent Classification:

G01N 27/30 (2006.01) G01N 27/327 (2006.01)
G01N 27/413 (2006.01)

(21) International Application Number:

PCT/US2024/061091

(22) International Filing Date:

19 December 2024 (19.12.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/612,299 19 December 2023 (19.12.2023) US

(71) Applicant: **PROBIUSDX, INC.** [US/US]; 48389 Fremont
Blvd., Suite 114, Fremont, California 94538 (US).

(72) Inventor: **HUI, Jeremy**; c/o ProbiusDx, Inc., 48389 Fre-
mont Blvd., Suite 114, Fremont, California 94538 (US).

(74) Agent: **STEGALL, Jason** et al.; ONE FINANCIAL CEN-
TER, Boston, Massachusetts 02111 (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,
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: PROVIDING AN ENVIRONMENTAL ACCESS/SAMPLING PORT TO A SEMICONDUCTOR DIE

(57) Abstract: A laminated substrate defines a hole there through. The laminated substrate includes a core including a first biologically inert material, and a first conductive layer adjacent to the core. A gasket includes a second biologically inert material. The gasket extends from a lower side of the laminated substrate. The gasket defines a portion of the hole. The gasket is configured to abut a sensor chip that covers an end of the hole.

WO 2025/137324 A1