

(43) International Publication Date
27 May 2022 (27.05.2022)



(10) International Publication Number
WO 2022/106604 A1

(51) International Patent Classification:

A61B 5/1486 (2006.01) ***B05D 5/02*** (2006.01)
B05D 1/26 (2006.01) ***A61B 5/145*** (2006.01)
G01N 27/327 (2006.01)

(21) International Application Number:

PCT/EP2021/082273

(22) International Filing Date:

19 November 2021 (19.11.2021)

(25) **Filing Language:** English

(26) **Publication Language:** English

(30) Priority Data:

20209219.3 23 November 2020 (23.11.2020) EP

(71) Applicant (for all designated States except DE, US): **F. HOFFMANN-LA ROCHE AG** [CH/CH]; Grenzacherstrasse 124, 4070 Basel (CH).

(71) Applicant (for DE only): ROCHE DIABETES CARE GMBH [DE/DE]; Sandhofer Strasse 116, 68305 Mannheim (DE).

(71) **Applicant (for US only): ROCHE DIABETES CARE, INC.** [US/US]; 9115 Hague Road, Indianapolis, Indiana 46250 (US).

(72) **Inventors: BABIC, Branislav**; c/o Roche Diabetes Care GmbH, Sandhofer Strasse 116, 68305 Mannheim (DE).

STECK, Alexander; c/o Roche Diabetes Care GmbH,
Sandhofer Strasse 116, 68305 Mannheim (DE).

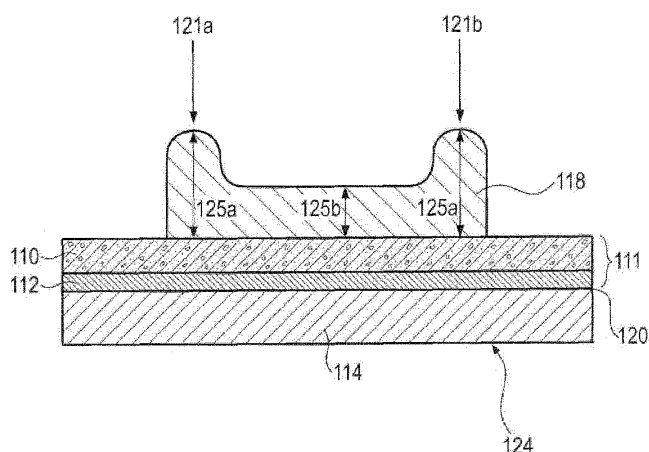
(74) **Agent: GEIS, Vanessa;** Roche Diabetes Care GmbH,
Patent Department, Sandhofer Strasse 116, 68305
Mannheim (DE).

(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, 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).

(54) Title: WORKING ELECTRODE FOR AN ANALYTE SENSOR

Figure 1



(S7) Abstract: A method for the preparation of a working electrode comprises application of a sensing material in several steps. Further, an analyte sensor comprises the working electrode and is used for detecting at least one analyte in a sample.

[Continued on next page]

WO 2022/106604 A1

Declarations under Rule 4.17:

- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
- *of inventorship (Rule 4.17(iv))*

Published:

- *with international search report (Art. 21(3))*
- *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*