

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
24 March 2022 (24.03.2022)



(10) International Publication Number
WO 2022/060889 A2

(51) International Patent Classification:
G16B 25/20 (2019.01) *C12Q 1/68* (2018.01)
G16B 35/00 (2019.01)

(21) International Application Number:
PCT/US2021/050532

(22) International Filing Date:
15 September 2021 (15.09.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/078,999 16 September 2020 (16.09.2020) US
63/079,004 16 September 2020 (16.09.2020) US
63/079,007 16 September 2020 (16.09.2020) US
63/079,029 16 September 2020 (16.09.2020) US
63/079,034 16 September 2020 (16.09.2020) US
63/079,035 16 September 2020 (16.09.2020) US
63/213,447 22 June 2021 (22.06.2021) US

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(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: METHODS AND SYSTEMS FOR BARCODE ERROR CORRECTION

(57) Abstract: Methods and systems for designing large sets of barcodes that ensure robust and efficient error correction capabilities are described. Also described are methods for assigning barcodes to target analytes that minimize optical crowding in *in situ* detection applications. Furthermore, methods for performing barcode error correction and for performing barcode-assisted image registration and alignment are also described.

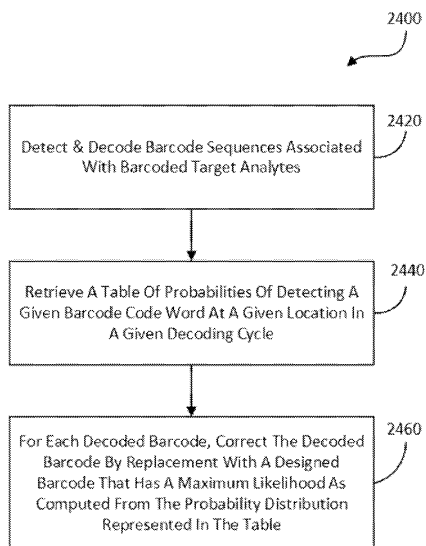


FIG. 24

WO 2022/060889 A2

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