



(51) International Patent Classification:

G01N 21/64 (2006.01) B01L 3/00 (2006.01)  
G06K 19/06 (2006.01) G01N 33/569 (2006.01)  
A61B 5/00 (2006.01) G06K 7/14 (2006.01)

(21) International Application Number:

PCT/US2024/015027

(22) International Filing Date:

08 February 2024 (08.02.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/484,447 10 February 2023 (10.02.2023) 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, 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))
- with amended claims (Art. 19(1))

Date of publication of the amended claims:

21 November 2024 (21.11.2024)

(54) Title: MEDICAL TEST RESULT REPORTING USING BARCODES

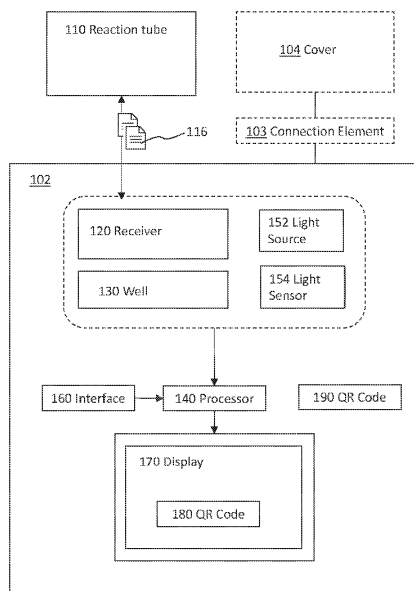


Fig. 1

(57) Abstract: Systems and methods for detecting an analyte in a sample are disclosed. A system may be operable to amplify an analyte and measure a signal associated with a quantity of the analyte, according to an embodiment. The system may be configured to display a dynamically generated barcode for communicating test results to a patient, a medical professional, or to an agency for analyzing pathogen transmission within a population. The barcode may be a dynamically generated matrix code such as QR code (e.g., a QR code presented via an LCD or other suitable display that can be customized based on, e.g., test results). The system may include a housing, which includes a well, a receiver, a light source, and a light sensor. Further, the housing may include a processor, an interface, and a display configured to display various test-related information, such as, for example, the dynamically generated barcode.