



(51) International Patent Classification:

G01N 33/15 (2006.01) G01N 33/53 (2006.01)
G01N 30/02 (2006.01) G01N 33/573 (2006.01)
G01N 21/78 (2006.01)

(21) International Application Number:

PCT/IB2014/002637

(22) International Filing Date:

28 August 2014 (28.08.2014)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/873,463 4 September 2013 (04.09.2013) US
61/919,881 23 December 2013 (23.12.2013) US

(71) Applicant: **CREDO BIOMEDICAL PTE LTD.**
[SG/SG]; 51 Science Park Road #02-16, The Aries Science
Park II, Singapore 117586 (SG).

(72) Inventors: **CHUNG-PEI, Ou**; 15 Kim Yam Road, #03-05,
Singapore 239328 (SG). **KAUSHAL, Sagar**; 625 Ang Mo
Kio Avenue 9, #08-92, Singapore 560625 (SG). **RAH-
MAN, Abdur Rub, Abdur**; 26 Bukit Batok Street 52,
#09-02, Singapore 859247 (SG). **WINSTON, Wong**; 189a
Rivervale Drive, #17-1020, Singapore 541189 (SG). **KAO,
Steven, Chang-chi**; 66 Chestnut Avenue, #23-12, Singa-
pore 679520 (SG). **CATIA, Marques**; 89 Rangoon Road,
#03-03, Singapore 218275 (SG).

(74) Agent: **SPRUSON & FERGUSON (ASIA) PTE LTD**;
P.O. Box 1531, Robinson Road Post Office, Singapore
903031 (SG).

(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, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, 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, SM, ST, SV, SY, TH, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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).

Published:

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

[Continued on next page]

(54) Title: ASSAY TEST DEVICE, KIT AND METHOD OF USING

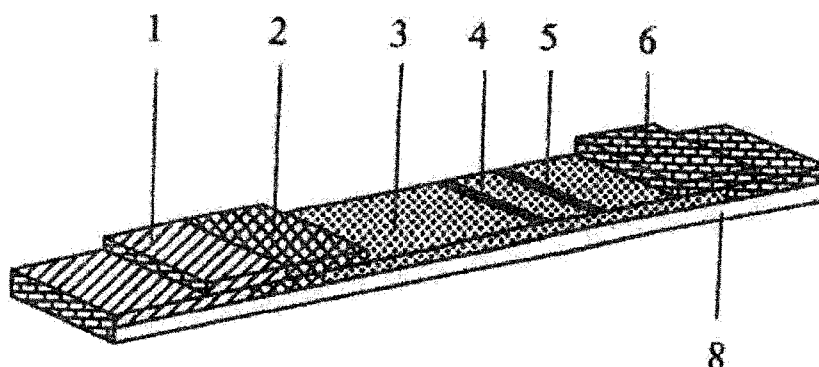


FIG. 4

(57) Abstract: The present invention relates to assay test devices, and methods and kits for use to monitor, sense, read and display results by using devices with printed electronics, such as batteries, reading devices, and other circuitry and/or using colorimetric means for testing by using a sensitive indicator pH dye, or both.



(88) Date of publication of the international search report:

13 August 2015