



(51) International Patent Classification:

C12M 1/38 (2006.01) *G01N 21/17* (2006.01)
C12M 1/34 (2006.01) *G01N 31/22* (2006.01)
C12Q 1/68 (2006.01)

(21) International Application Number:

PCT/IB2015/001424

(22) International Filing Date:

10 April 2015 (10.04.2015)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/978,486 11 April 2014 (11.04.2014) 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, 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, 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: DEVICES AND KITS FOR MEASURING BIOLOGICAL RESULTS

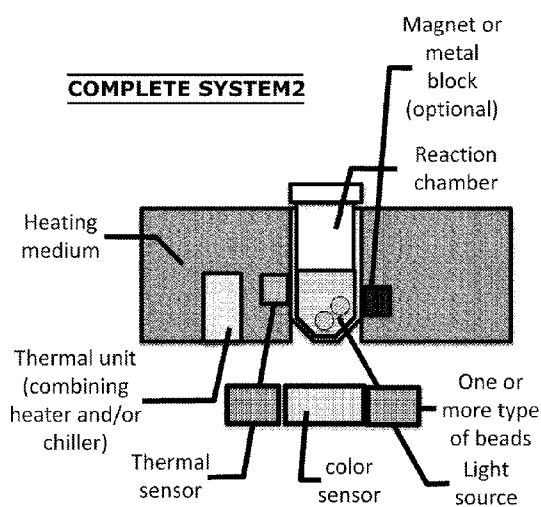


FIG. 51

- In this example, the heating medium is heated by an active thermal unit
- Inside the reaction chamber, there can be a dye in solution which indicate if the starting pH is within range
- Magnetic block can be used in the sample prep step
- The light source is turned on, and the color of the bead is read by the color sensor

(57) **Abstract:** The present invention relates to a kit and a device for measuring nucleic acid amplification through colour differentiation wherein said kit contains at least one pH indicator dye, one or more contained amplification reagents. The kit and device of the present invention also are used to detect, measure and/or record enzymatic reactions that result in pH changes. The kit and device provide a mechanism to detect pH change by utilizing a pH indicator dye, thus making it observable with the un-aided eye. The kit contains a device for carrying out said reactions. The device contains at least one container, reagents, a pH indicator, a heating or cooling means where needed and a magnetic component.





— *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))*

(88) **Date of publication of the international search report:**
7 April 2016