



- (51) International Patent Classification:
G01N 21/84 (2006.01)
- (21) International Application Number:
PCT/EP2019/064675
- (22) International Filing Date:
05 June 2019 (05.06.2019)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
18176999.3 11 June 2018 (11.06.2018) EP
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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, 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,

(54) Title: METHOD FOR EVALUATING A SUITABILITY OF LIGHTING CONDITIONS FOR DETECTING AN ANALYTE IN A SAMPLE USING A CAMERA OF A MOBILE DEVICE

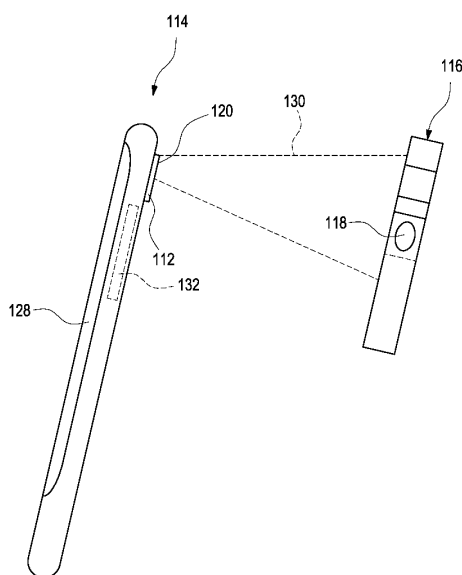


Fig. 2

(57) Abstract: A method (110) for evaluating a suitability of lighting conditions for detecting an analyte in a sample using a camera (112) of a mobile device (114) is disclosed. The method comprising the following steps: a) (117) capturing at least one first image of at least one test strip (116), wherein the test strip (116) is adapted for detecting the analyte in the sample, the test strip (116) having at least one test field (118) comprising at least one test chemical for performing an optical detection reaction in the presence of the analyte, wherein, during the capturing of the first image, an illumination source (120) of the mobile device (114) is turned off; b) (122) capturing at least one second image of the test strip (116), wherein, during the capturing of the second image, the illumination source (120) of the mobile device (114) is turned on; c) (124) comparing the first and second images captured in steps a) (117) and b) (122), thereby determining a difference in lighting conditions between the first image and the second image; and d) (126) deriving at least one suitability information from the comparison in step c) (124), wherein the suitability information comprises information on a suitability of the lighting conditions for analyte detection.

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).

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))*