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(54) Title: METHODS AND DEVICES FOR PERFORMING AN ANALYTICAL MEASUREMENT

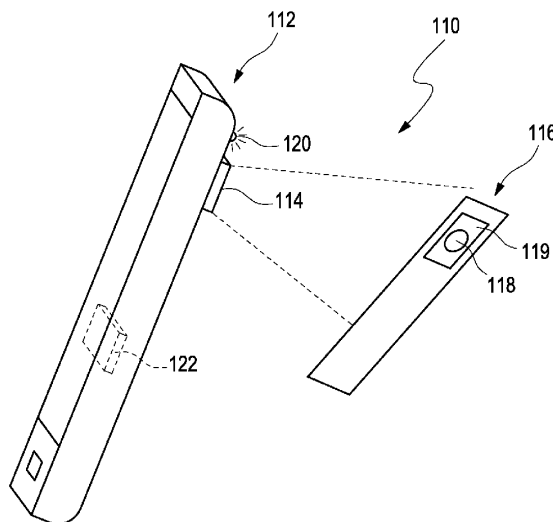


Fig. 1

(57) Abstract: A method of performing an analytical measurement based on a color formation reaction in an optical test strip (116) by using a mobile device (112) having a camera (114) as well as a computer program including computer-executable instructions for performing the method are disclosed. Further disclosed are a mobile device and a tit for performing an analytical measurement. The method comprises step a): providing an optical test strip (116) having a test field (118) without having a sample applied thereto; step b): capturing at least one first image of at least part of the test field (118) of the optical test strip (116) without having a sample applied thereto by using the camera (114) with at least one image acquisition setting of the camera (114), specifically with a set of acquisition settings of the camera (114); step c): applying a sample, specifically a drop, of bodily fluid to the test field (118) of the optical test strip (116); step d): waiting for a predetermined minimum amount of time; step e): capturing at least one second image of at least part of the

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WO 2020/094594 A1

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test field (118) of the optical test strip (116) having the sample of bodily fluid applied thereto by using the camera (114) with the one or more image acquisition settings of the camera (114), wherein the image acquisition settings of the camera (114) are the same image acquisition settings of the camera (114) as used in step b); and step f): determining an analytical measurement result value by using the first and the second image of the optical test field (118) of the optical test strip (116), specifically by comparing the at least two images.