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(54) Title: METHOD OF PERFORMING AT LEAST ONE ANALYTICAL MEASUREMENT BY USING A MOBILE DEVICE

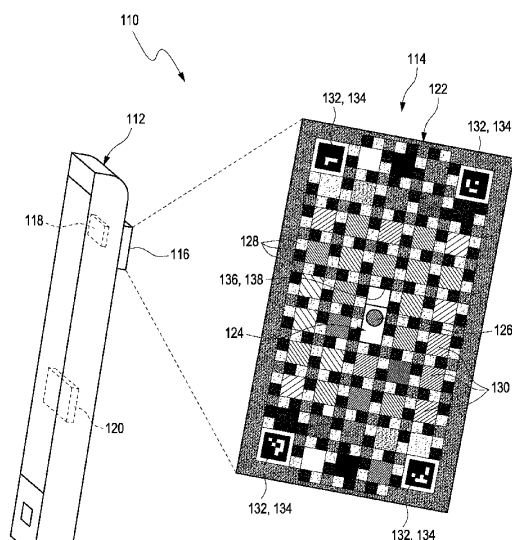


Fig. 1

(57) Abstract: A method of performing at least one analytical measurement is disclosed. The method comprises using a mobile device (112) having at least one camera (116). The method further comprises: i) capturing, by using the camera (116), a time series of images of at least a part of at least one medical article (114); ii) deriving, from the time series of images, image-derived position information on a relative position of the mobile device (112) and the medical article (114), thereby generating a first time series of position information; iii) capturing, by using at least one sensor device (118) of the mobile device (112), measurement information on the relative position of the mobile device (112) and the medical article (114); iv) deriving, from the measurement information, measurement-derived position information on the relative position of the mobile device (112) and the medical article (114), thereby generating a second time series of position information; v) generating an augmented time series of position information by combining the first time series of position information and the second time series of position information; and vi) providing guidance to a user, based on the augmented time series of position information, for changing the relative position of the mobile device (112) and the medical article (114) in order to have the user bring the mobile device (112) into at least one relative target position of the mobile device (112) and the medical article (114). Further, a mobile device (112), a kit (110) for performing at least one analytical measurement, a computer program and a computer-readable storage medium is disclosed.

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