



US 20150119725A1

(19) **United States**

(12) **Patent Application Publication**  
**MARTIN et al.**

(10) **Pub. No.: US 2015/0119725 A1**

(43) **Pub. Date: Apr. 30, 2015**

(54) **SYSTEM AND METHOD FOR OBTAINING BODILY FUNCTION MEASUREMENTS USING A MOBILE DEVICE**

**Publication Classification**

(51) **Int. Cl.**  
*A61B 5/021* (2006.01)  
*A61B 5/02* (2006.01)  
*A61B 5/04* (2006.01)  
(52) **U.S. Cl.**  
CPC ..... *A61B 5/021* (2013.01); *A61B 5/04012* (2013.01); *A61B 5/02028* (2013.01)

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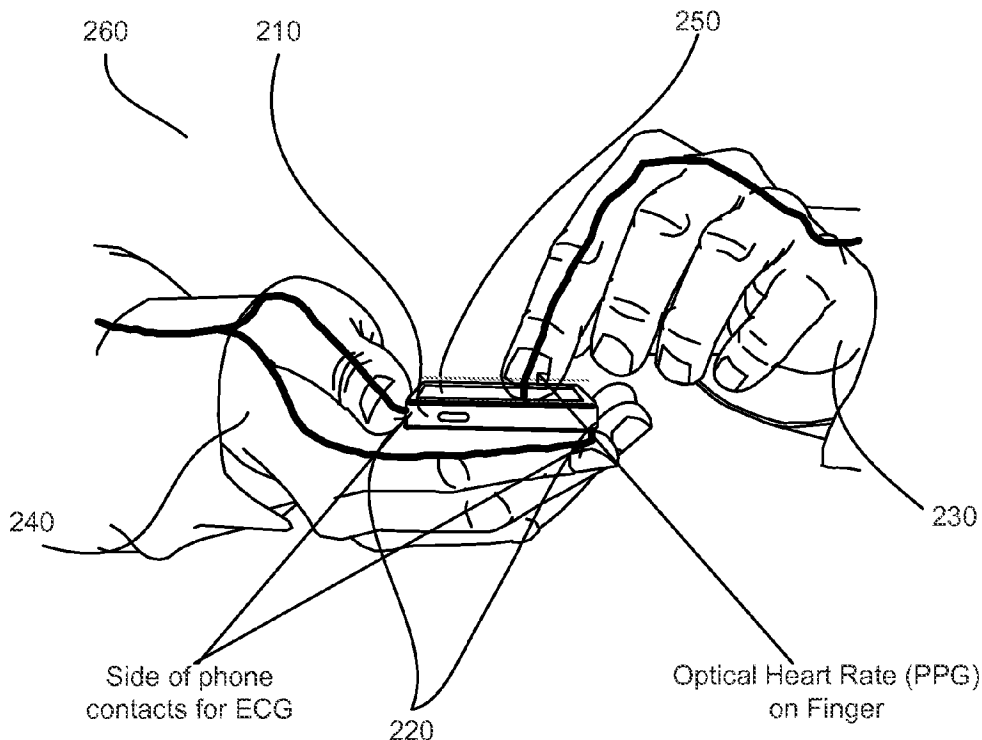
(21) Appl. No.: **14/278,062**

(22) Filed: **May 15, 2014**

**Related U.S. Application Data**

(60) Provisional application No. 61/895,995, filed on Oct. 25, 2013.

(57) **ABSTRACT**  
Methods, systems, computer-readable media, and apparatuses for obtaining at least one bodily function measurement are presented. A mobile device includes an outer body sized to be portable for user, a processor contained within the outer body, and a plurality of sensors physically coupled to the outer body. The sensors are configured to obtain a first measurement indicative of blood volume and a second measurement indicative of heart electrical activity in response to a user action. A blood pressure measurement is determined based on the first measurement and the second measurement. The sensors also include electrodes where a portion of a user's body positioned between the electrodes completes a circuit and a measurement to provide at least one measure of impedance associated with the user's body. A hydration level measurement is determined based on the measure of impedance.



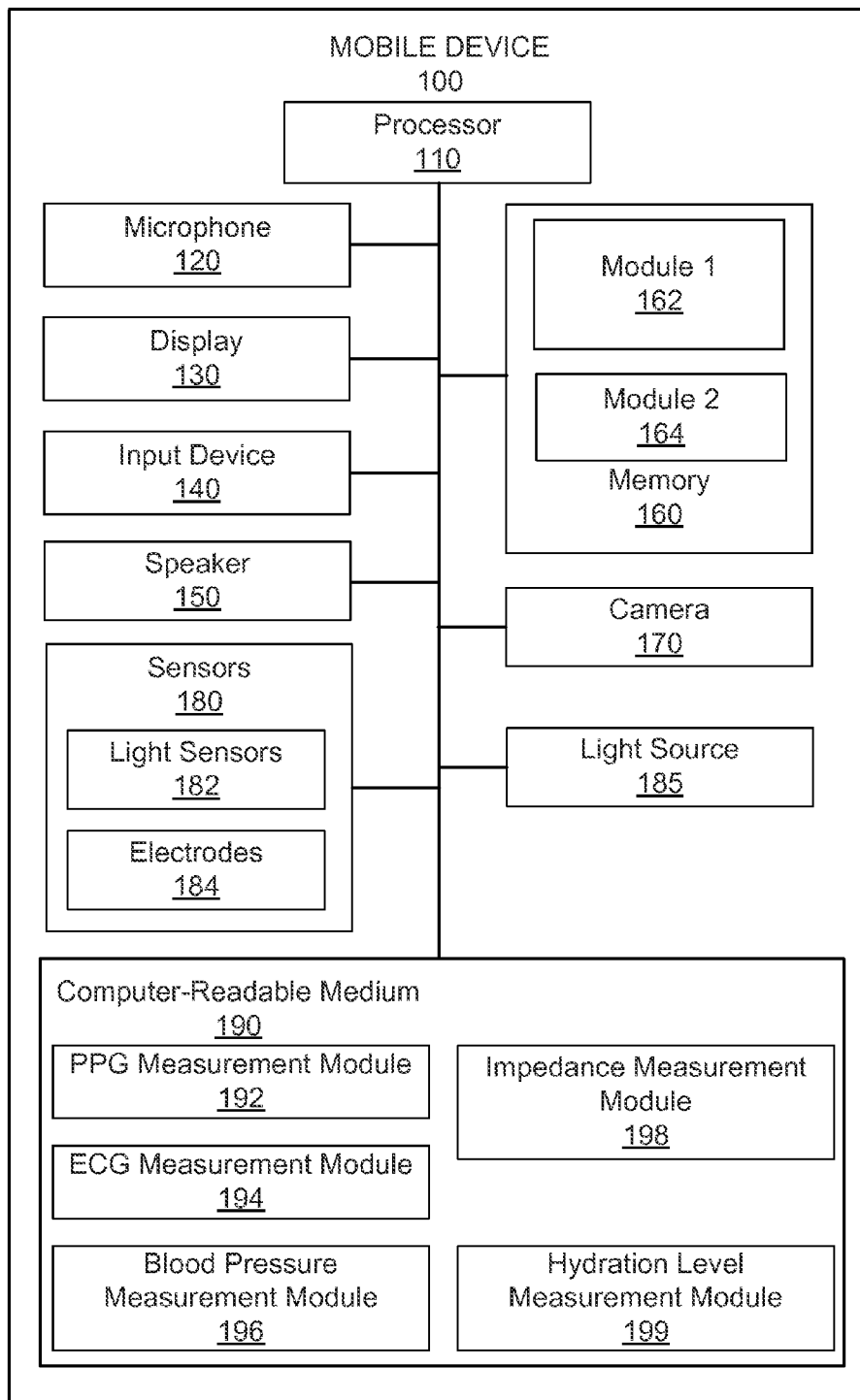


FIG. 1

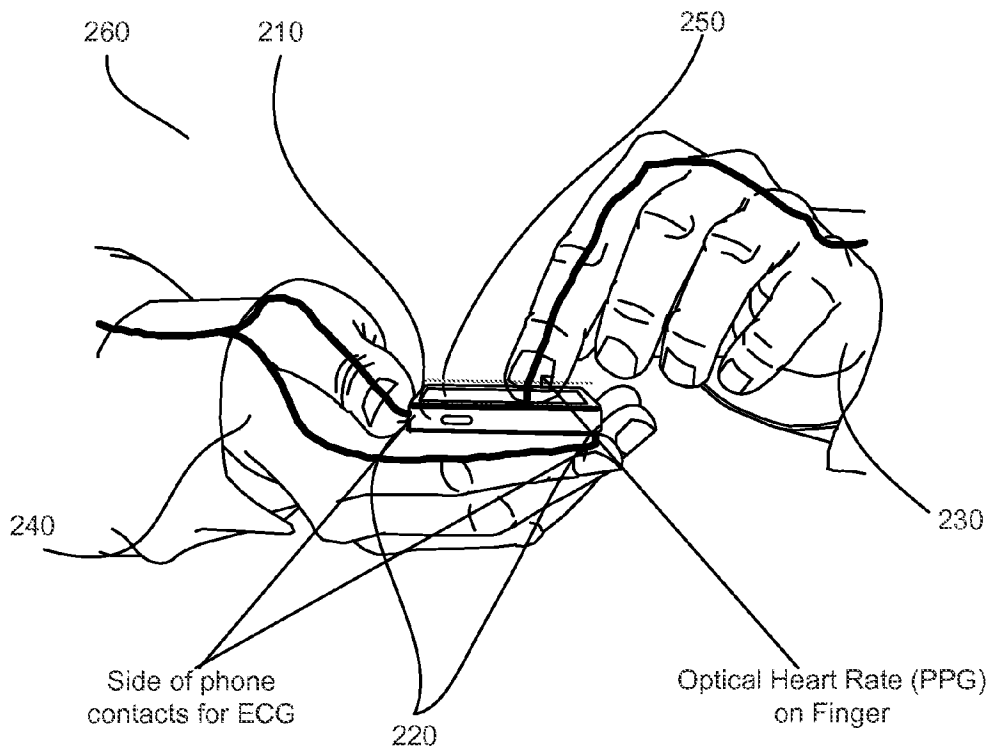


FIG. 2

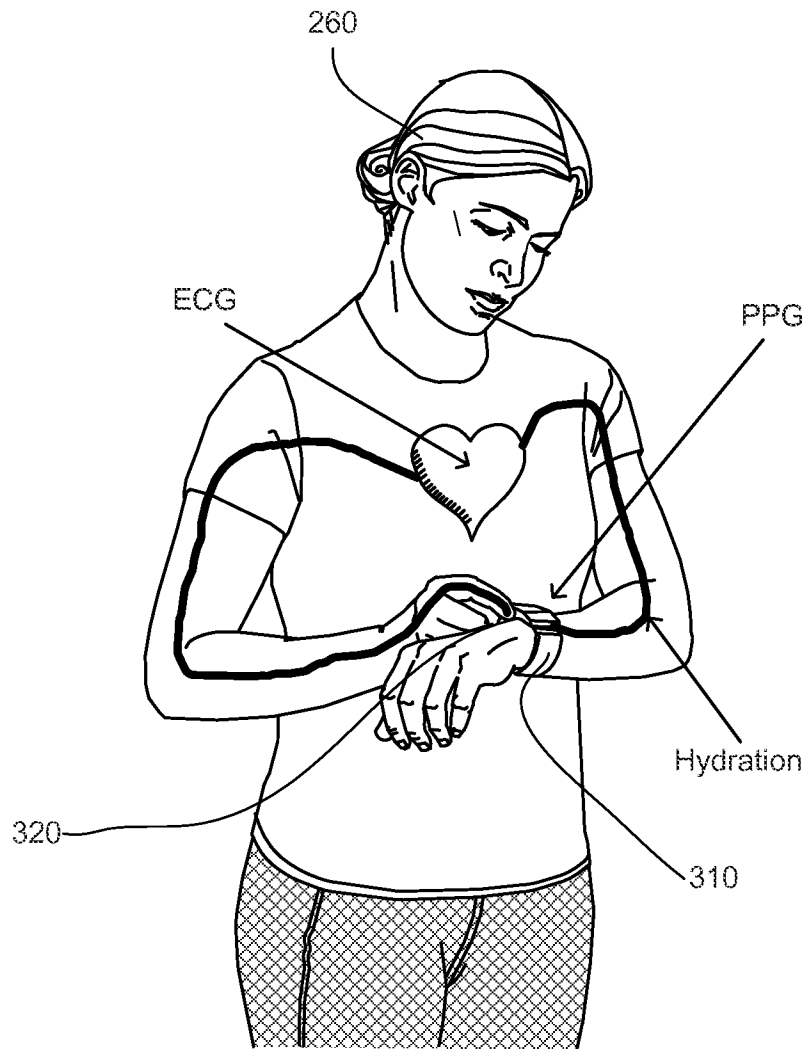


FIG. 3

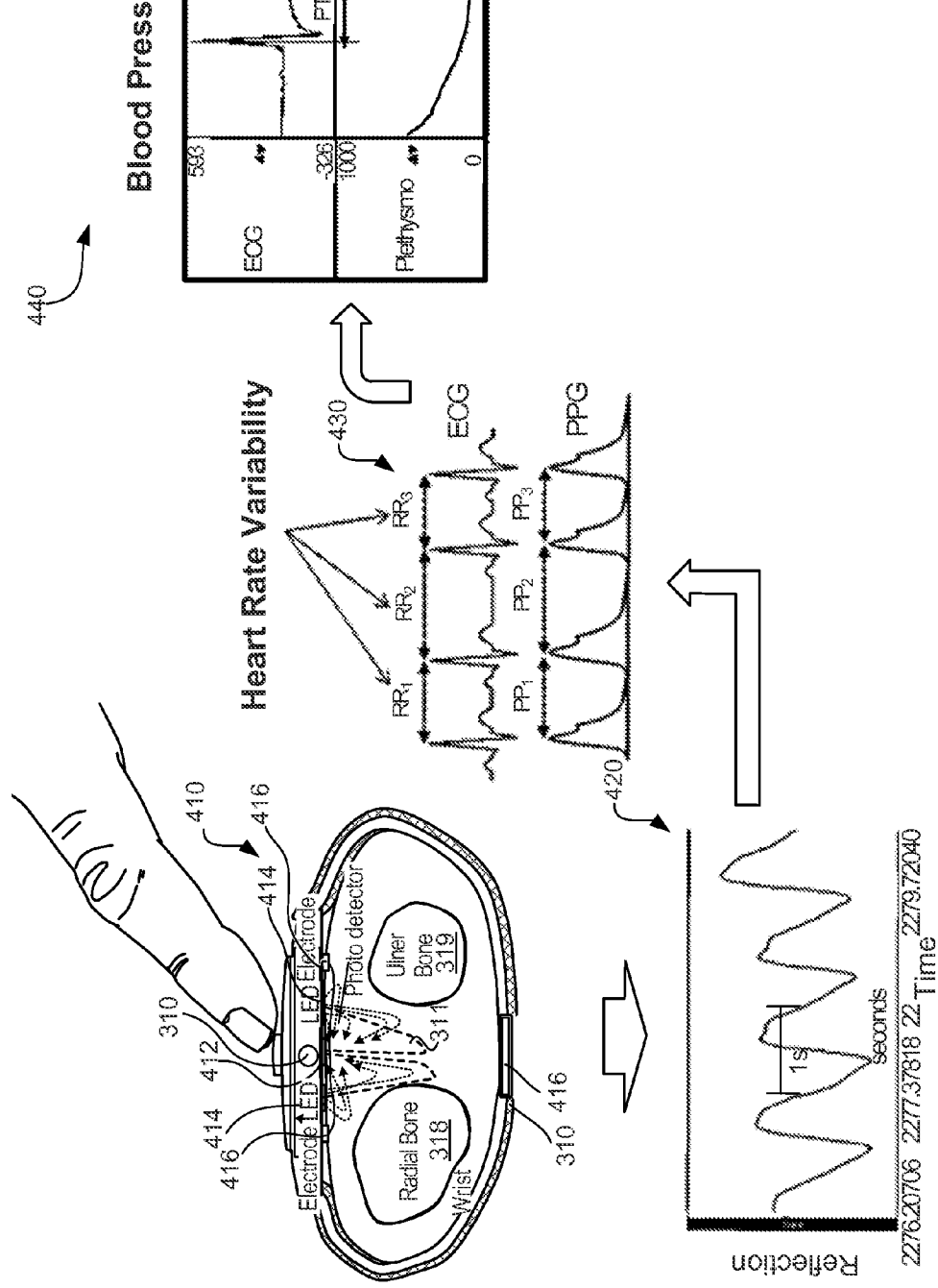


FIG. 4

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