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(54) **CUFF DESIGNS AND METHODS**

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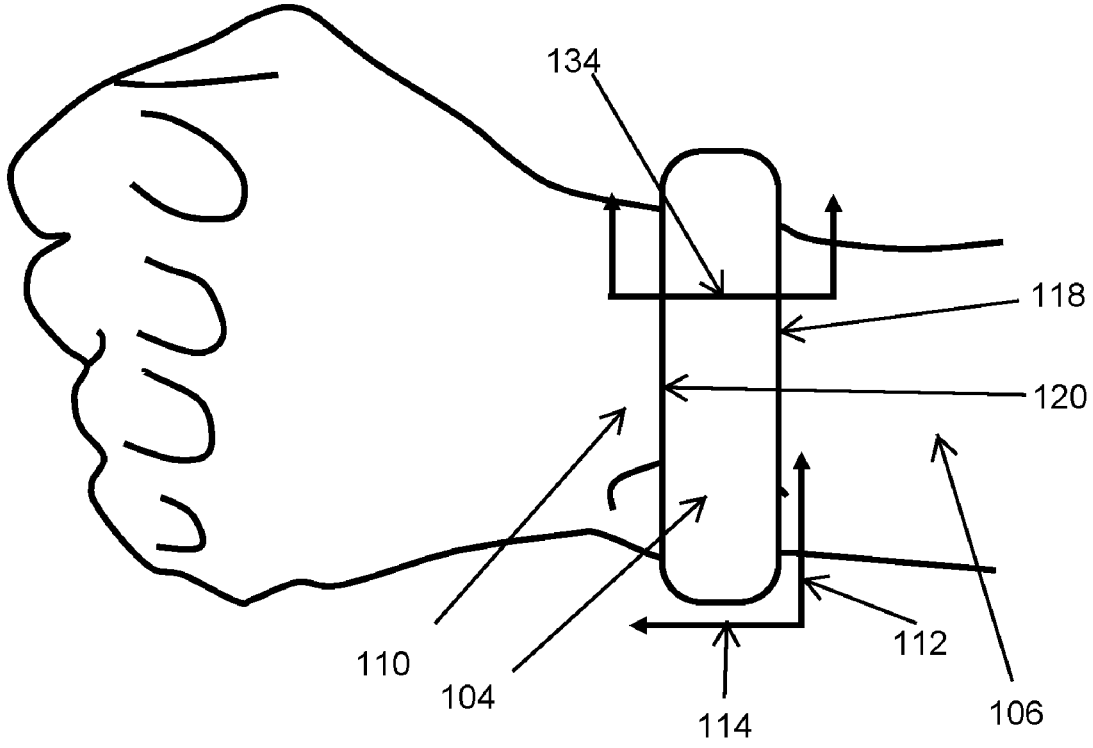
(57) **ABSTRACT**

A low-profile blood pressure measurement system and methods of use are disclosed. The system includes an expandable member or structure that has a multi-compartment structure and/or is mounted on a rigid surface or structure. The system is incorporated into a portable multi-function device, or is configured to communicate with a portable multi-function device.