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**Porch et al.**

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(54) **IN-VIVO MONITORING WITH MICROWAVES**

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CPC ..... **A61B 5/14532** (2013.01); **A61B 5/0082**  
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(58) **Field of Classification Search**

None  
See application file for complete search history.

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(57) **ABSTRACT**

A blood glucose monitor for non-invasive, in-vivo characterization of a blood glucose level in a living body, the monitor comprising: a microwave resonator having a resonant response to input microwaves and designed such that said response will experience a perturbation by a living body in proximity or contact with the resonator; and detection means for detecting changes in said resonant response from which said level can be characterized.

**11 Claims, 3 Drawing Sheets**

