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(12) United States Patent

Sarantos et al.

(54) HEART RATE SENSOR WITH HIGH-ASPECT-RATIO PHOTODETECTOR ELEMENT

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- (58) Field of Classification Search
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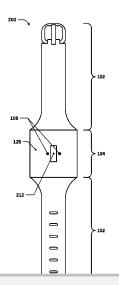
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(57) **ABSTRACT**

Heart rate sensors including high-aspect-ratio photodetector elements are discussed herein. Such high-aspect-ratio photodetector elements may provide improved signal-strength-topower-consumption performance for heart rate sensors incorporating such photodetector elements as compared with heart rate sensors incorporating, for example, square photodetector elements.

30 Claims, 14 Drawing Sheets



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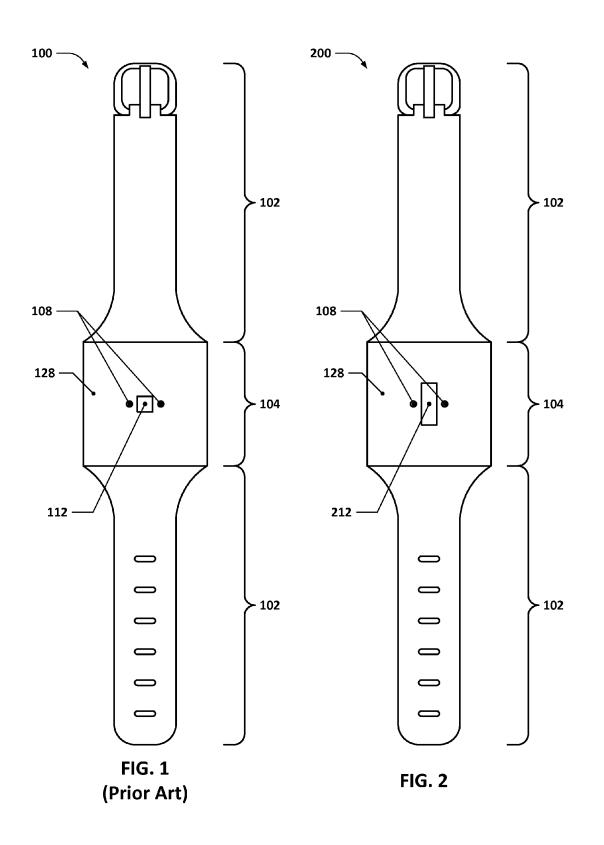
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