



US 20080081972A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2008/0081972 A1**

Debrecezy (43) **Pub. Date: Apr. 3, 2008**

(54) **SYMMETRIC LED ARRAY FOR PULSE OXIMETRY**

Publication Classification

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(51) **Int. Cl.**
A61B 5/00 (2006.01)
(52) **U.S. Cl.** **600/323; 600/310**

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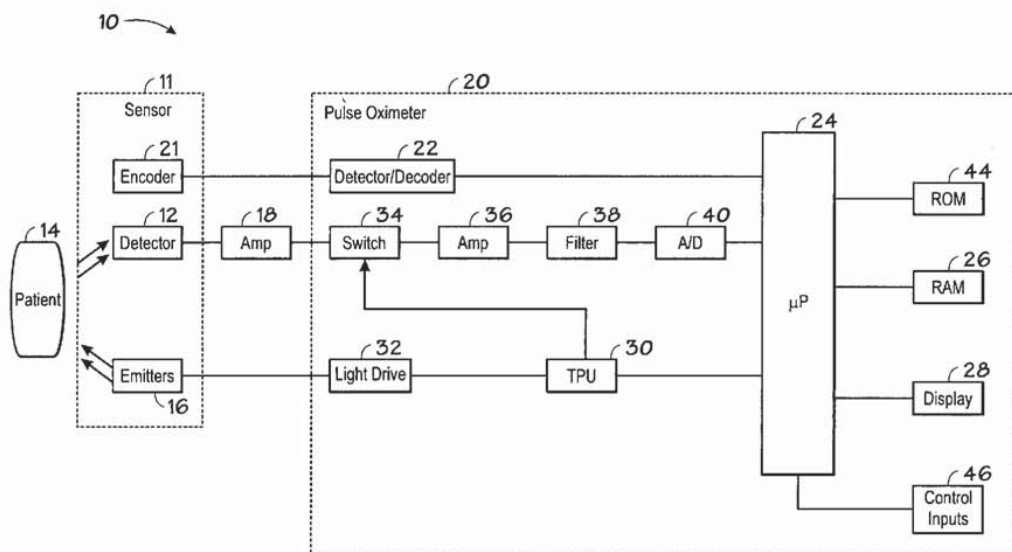
(57) **ABSTRACT**

There is provided a sensor for pulse oximeter systems. The sensor comprises a first source of electromagnetic radiation configured to operate at a first wavelength, a second source of electromagnetic radiation configured to operate at a second wavelength, and a third source of electromagnetic radiation configured to operate at a third wavelength. The emission spectra of the first and third sources of electromagnetic radiation overlap at their half power level or greater and correspond to a center wavelength in the range of 650 to 670 nm.

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(21) Appl. No.: **11/541,287**

(22) Filed: **Sep. 29, 2006**



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APL1008



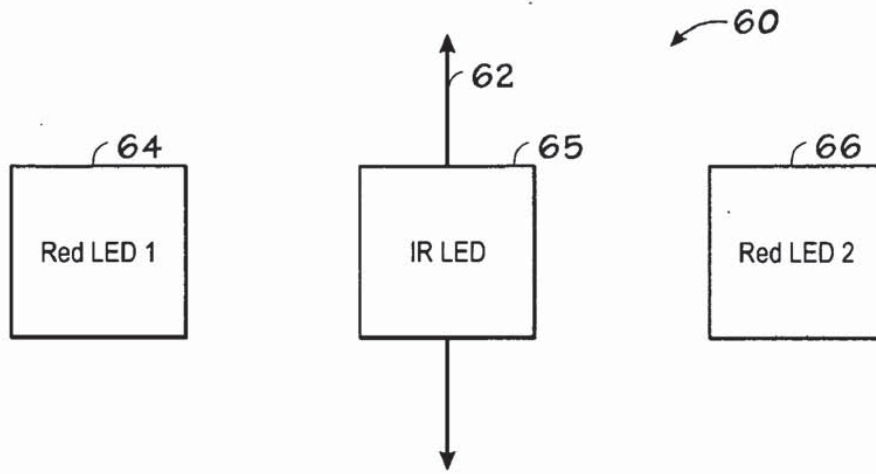


FIG. 2

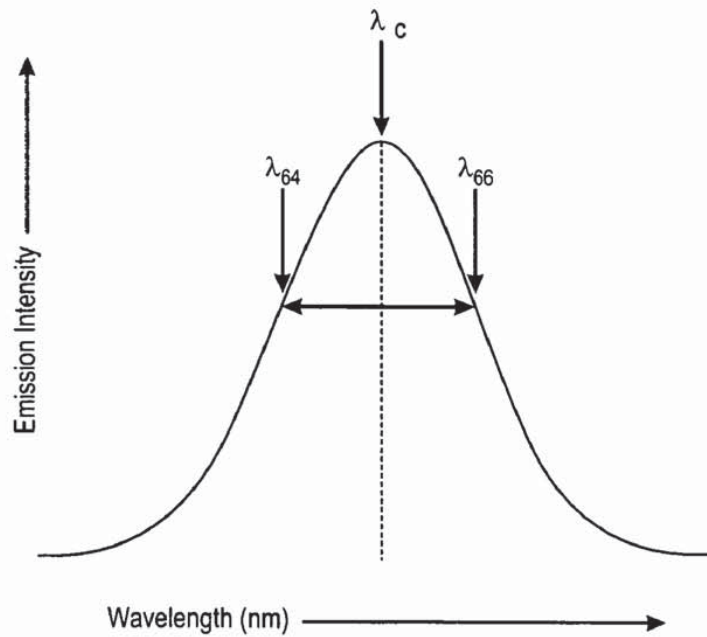


FIG. 3

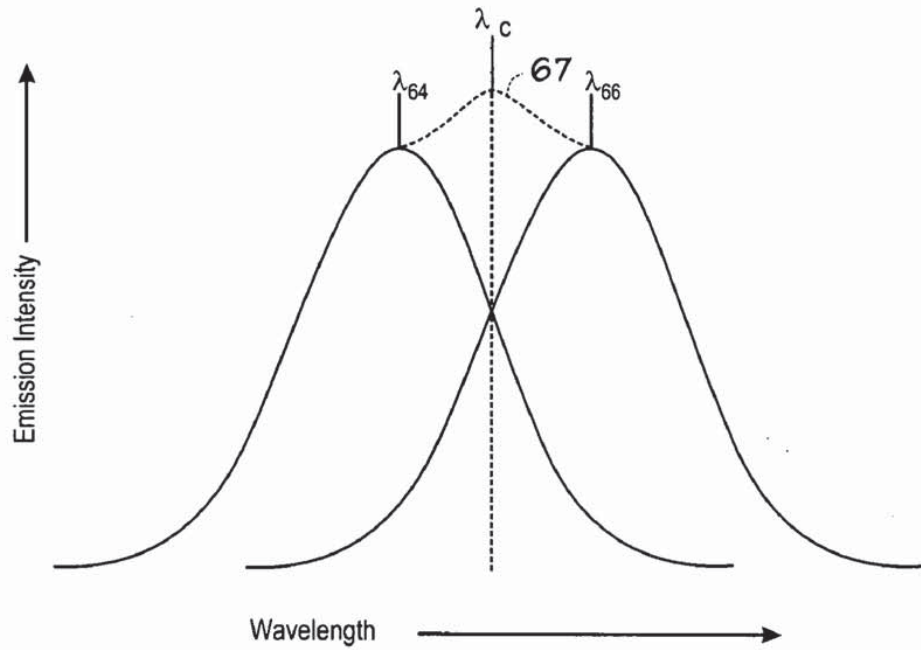


FIG. 4

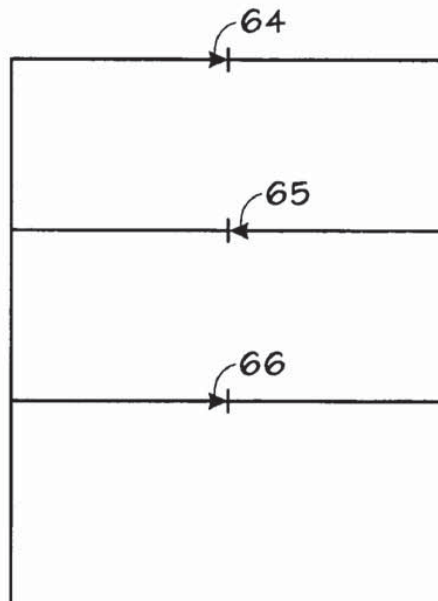


FIG. 5

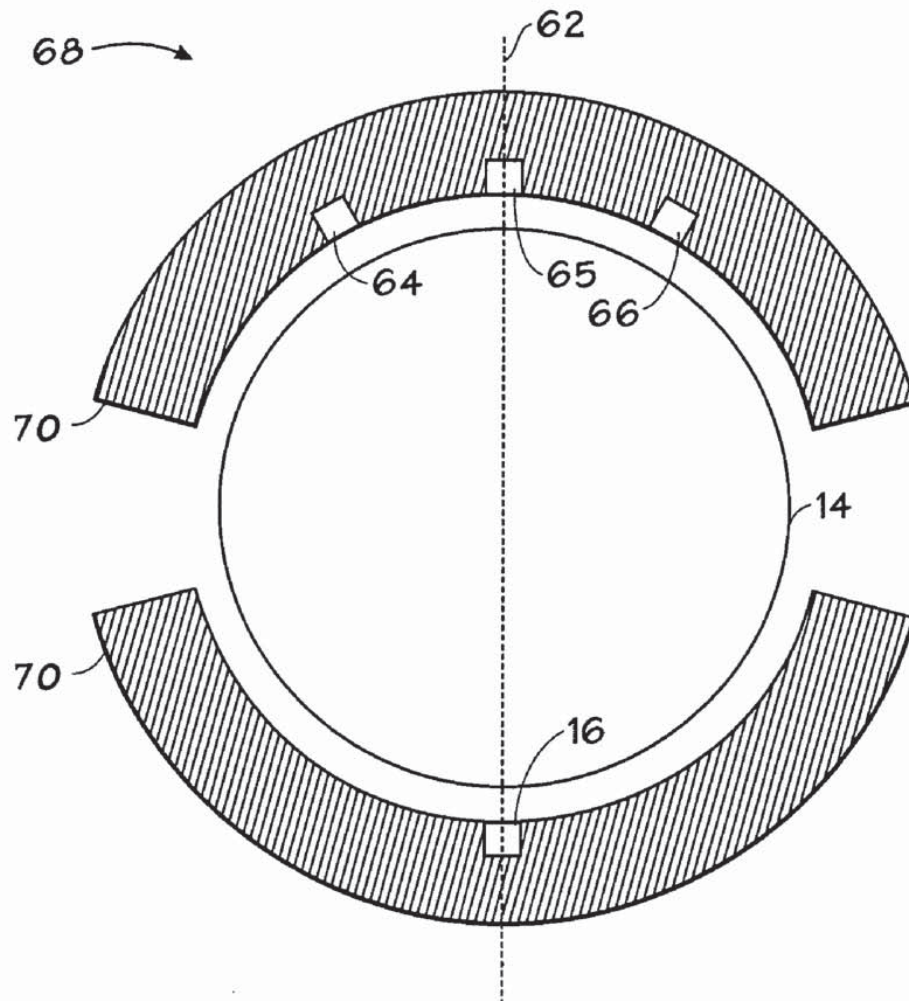


FIG. 6

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