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Mendelson

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(54) PULSE OXIMETER AND METHOD OF OPERATION

(75) Inventor: Yitzhak Mendelson, Worcester, MA

(US)

- (73) Assignee: Cybro Medical, Ltd., Haifa (IL)
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(30) Foreign Application Priority Data

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(58)	Field of Searc	ch 600/310, 322,

600/323, 330, 336

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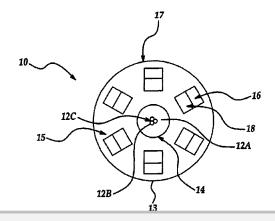
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Primary Examiner—Eric F. Winakur (74) Attorney, Agent, or Firm—Howard & Howard

(57) ABSTRACT

A sensor for use in an optical measurement device and a method for non-invasive measurement of a blood parameter. The sensor includes sensor housing, a source of radiation coupled to the housing, and a detector assembly coupled to the housing. The source of radiation is adapted to emit radiation at predetermined frequencies. The detector assembly is adapted to detect reflected radiation at least one predetermined frequency and to generate respective signals. The signals are used to determine the parameter of the blood.

5 Claims, 6 Drawing Sheets





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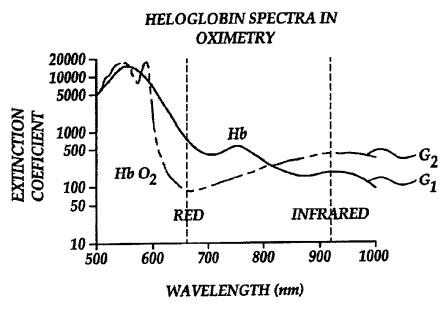
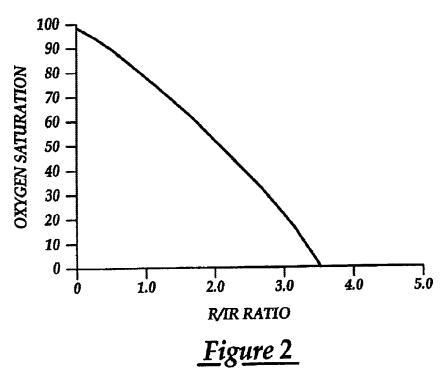


Figure 1

CALIBRATION OF A PULSE OXIMETER





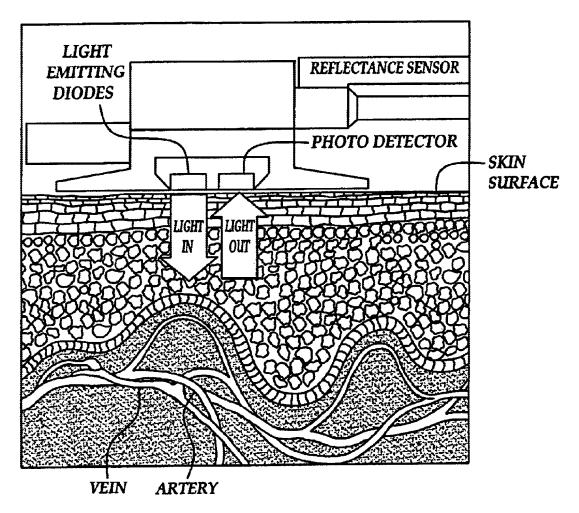
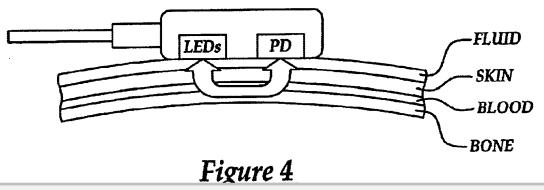


Figure 3





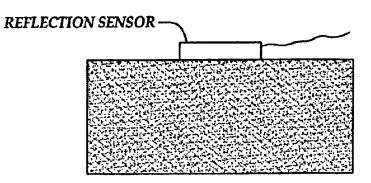
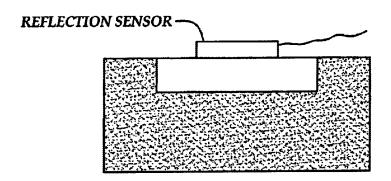
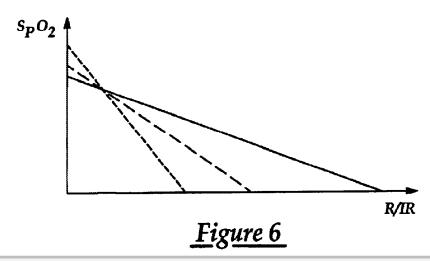


Figure 5A



<u>Figure 5B</u>





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