

[54] **MOTION ARTEFACT REJECTION SYSTEM FOR PULSE OXIMETERS**

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[30] **Foreign Application Priority Data**
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 [51] **Int. Cl.⁵** **A61B 5/00**
 [52] **U.S. Cl.** **128/633; 128/664; 128/666; 128/687**
 [58] **Field of Search** **128/633, 634, 664, 665, 128/666, 687; 356/39, 41**

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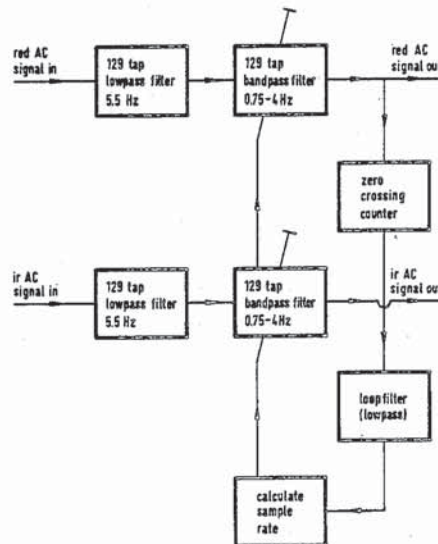
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[57] **ABSTRACT**

A pulse oximeter apparatus characterized in that it comprises a bandpass filter adapted selectively to exclude motion artefact from wanted signal is disclosed.

Also disclosed is the use of such an apparatus for the determination of pulse rate and/or arterial blood oxygen saturation.

6 Claims, 4 Drawing Sheets



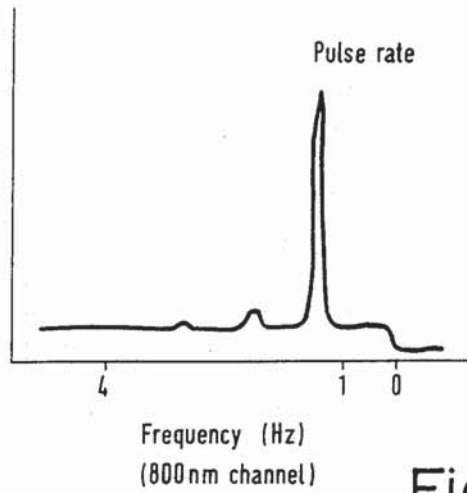


Fig.1

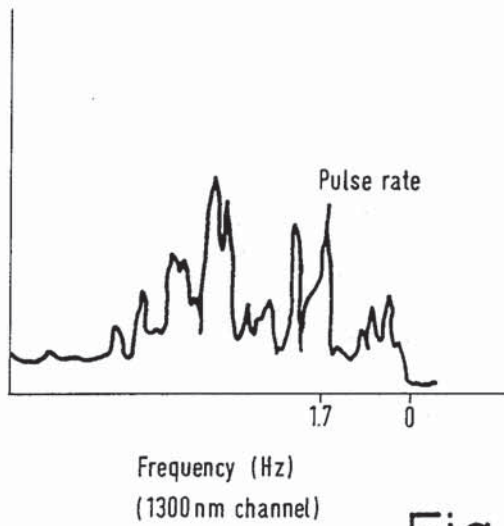


Fig.2

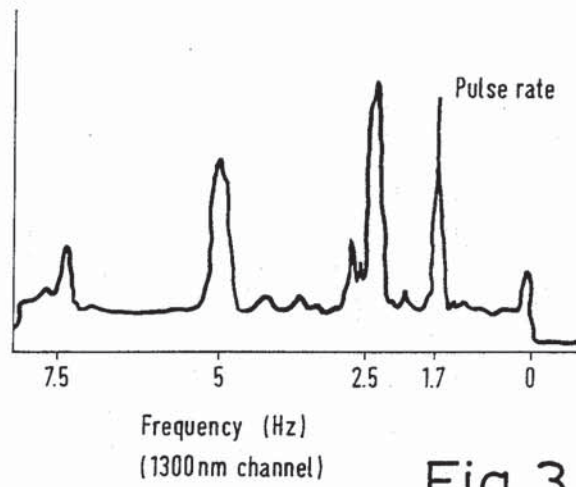


Fig. 3

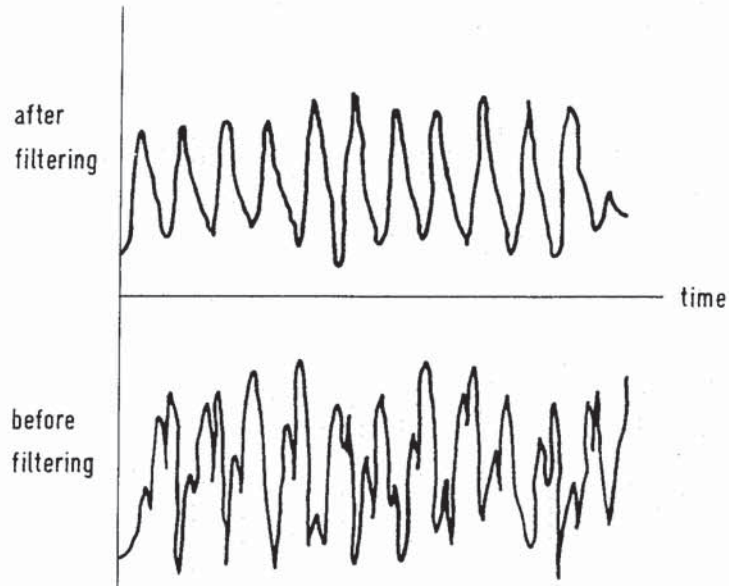


Fig. 4

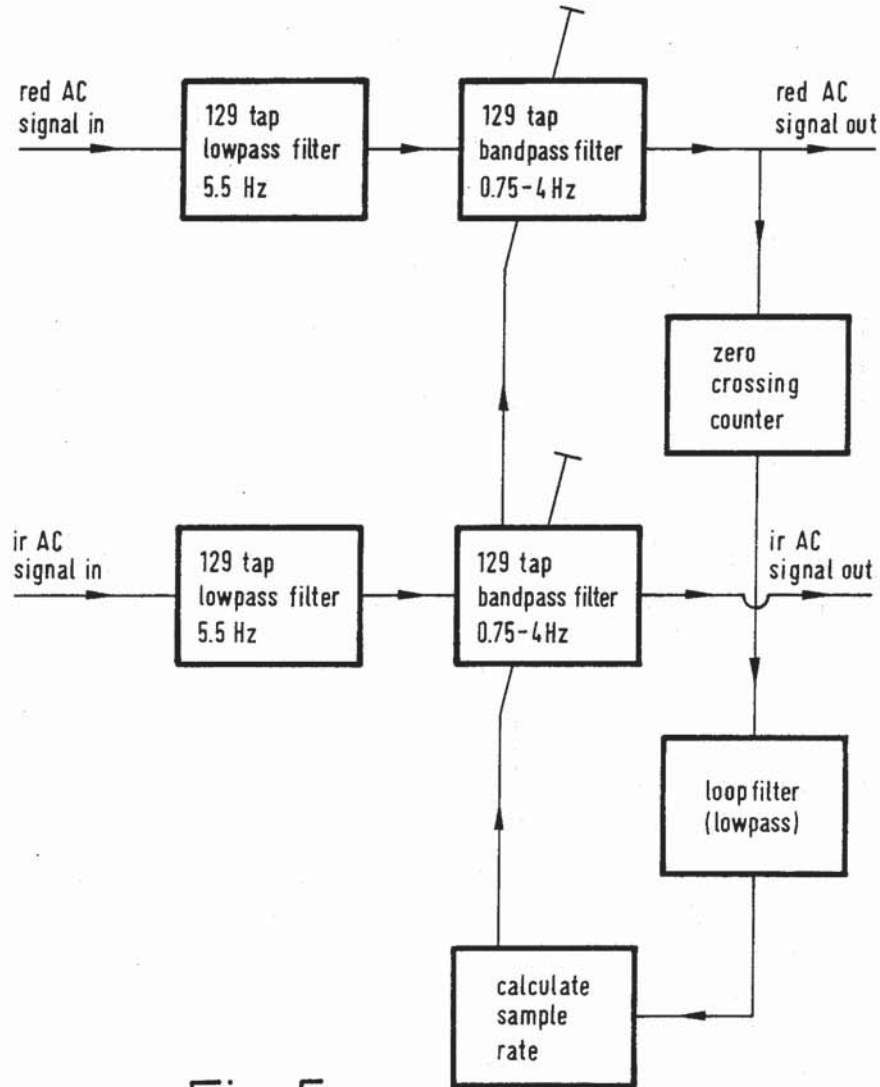


Fig. 5

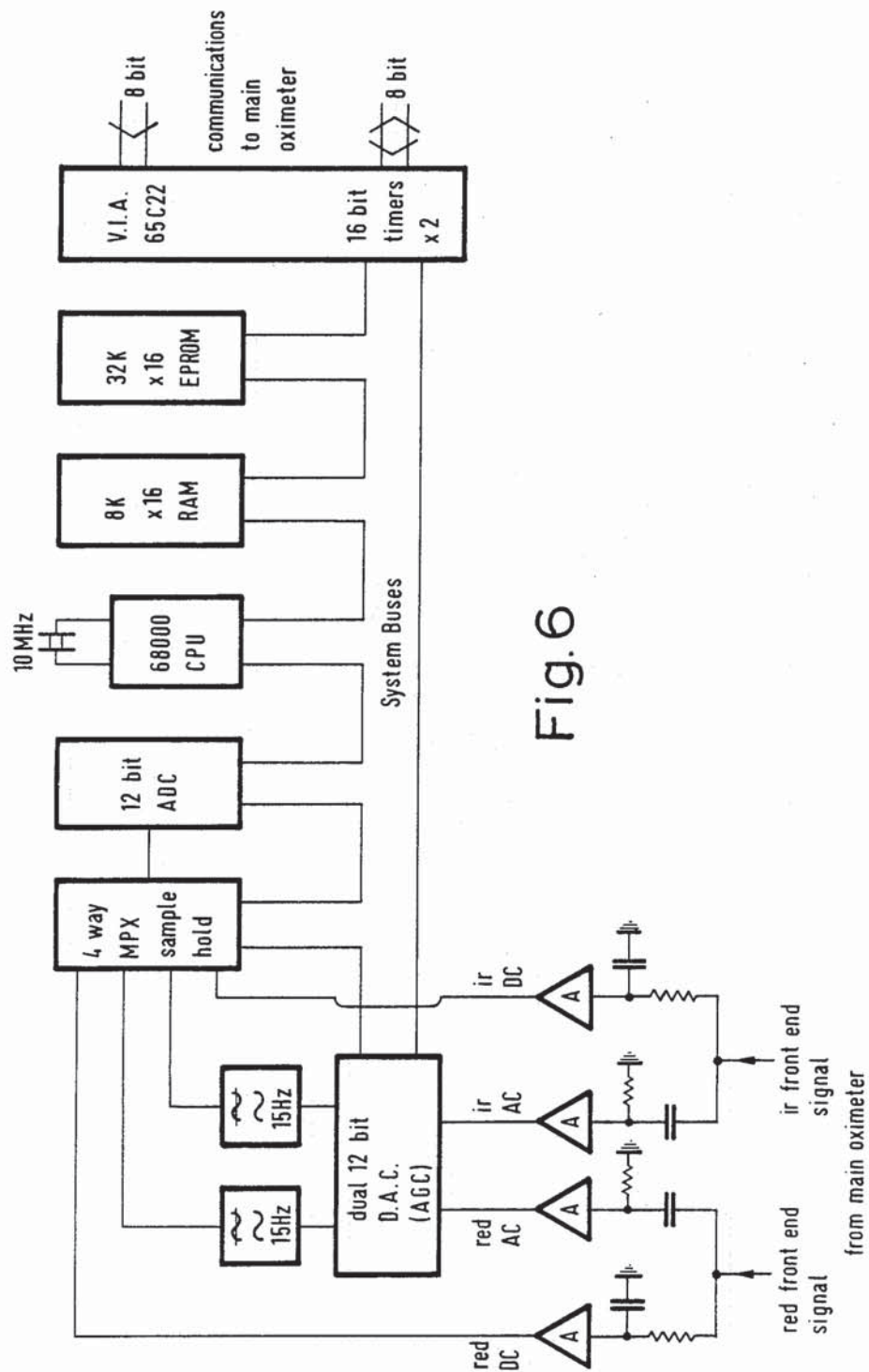


Fig. 6

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