United States Patent [19]

Hall

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[54]	MOTION ARTEFACT REJECTION SYSTEM	
	FOR PULSE OXIMETERS	

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-		Kingdom		

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[21] Appl. No.: 229,692

[22] Filed: Aug. 8, 1988

[51]	Int. Cl.5	 A61B 5/00		
		128/666; 128/687		

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		Oman		

Primary Examiner—Kyle L. Howell Assistant Examiner—John C. Hanley

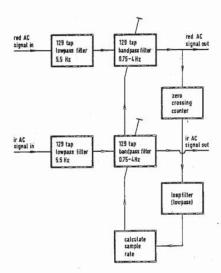
Attorney, Agent, or Firm-Howard F. Mandelbaum

[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.

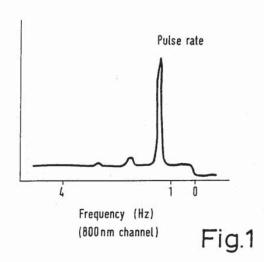
Also disclosed is the use of such an apparatus for the determination of pulse rate and/or arterial blood oxygen saturation.

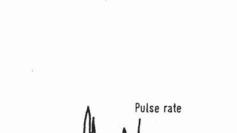
6 Claims, 4 Drawing Sheets







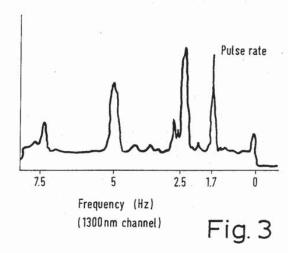


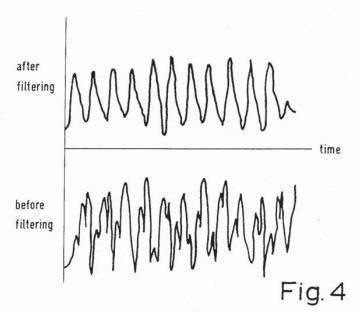


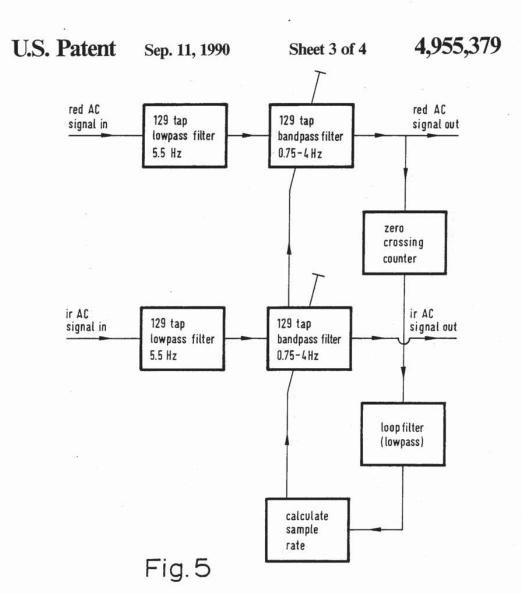
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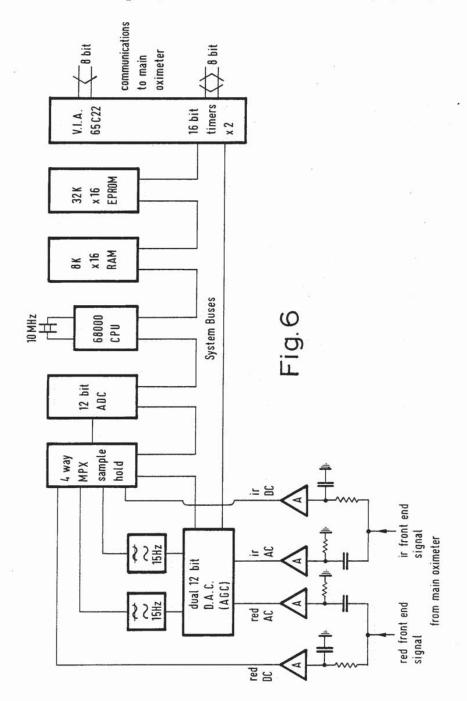
Frequency (Hz) (1300 nm channel)

Fig. 2









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