United States Patent [19]

Hall

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Sep. 11, 1990

[54]	MOTION ARTEFACT REJECTION SYSTEM FOR PULSE OXIMETERS		
[75]	Inventor:	Peter R. Hall, Dyfed, United Kingdom	
[73]	Assignee:	National Research Development Corporation, London, England	
[21]	Appl. No.:	229,692	
[22]	Filed:	Aug. 8, 1988	
[30]	Foreign	n Application Priority Data	
Aug	g. 14, 1987 [G	B] United Kingdom 8719333	
[51]	Int. Cl.5	A61B 5/00	
[52]	U.S. Cl		
[58]	Field of Sea	rch 128/633, 634, 664, 665,	

128/666, 687; 356/39, 41

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

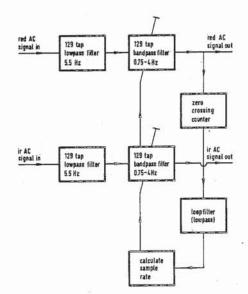
Attorney, Agent, or Firm-Howard F. Mandelbaum

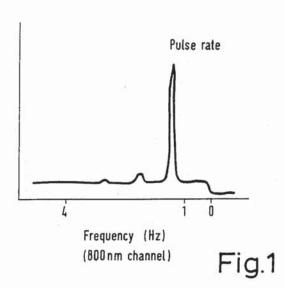
[57] ABSTRACT

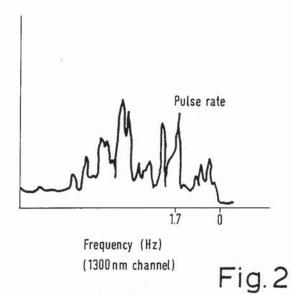
A pulse oximeter apparatus characterized in that it comprises a bandpass filter adapted selectively to exclude motion artefact from wanted signal is disclosed.

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

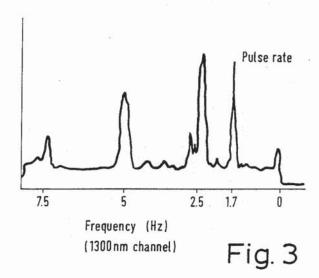
6 Claims, 4 Drawing Sheets

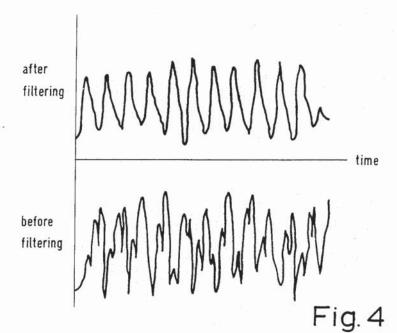


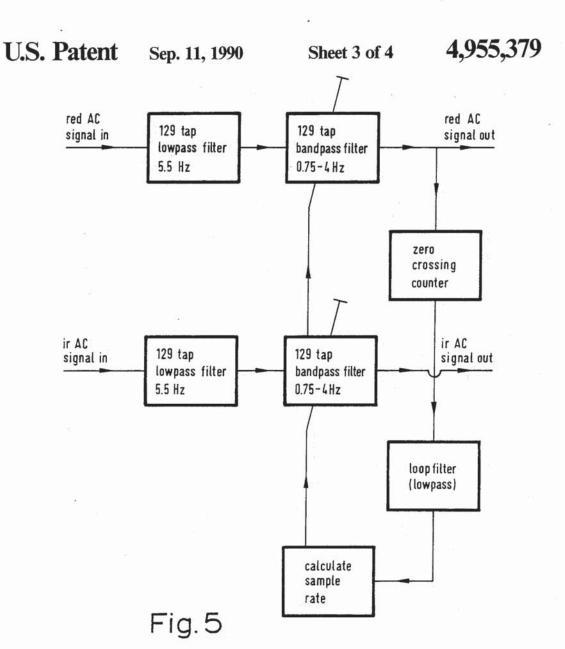




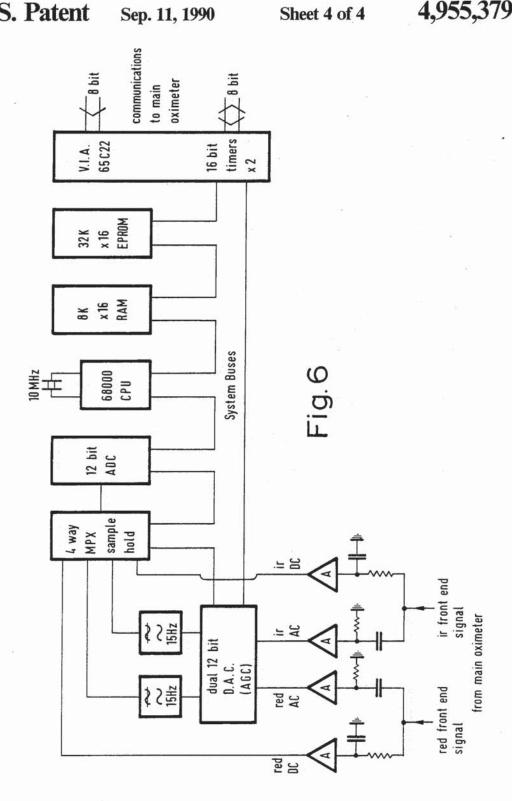
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