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**SUPPLEMENTARY
PARTIAL EUROPEAN SEARCH REPORT**

Application Number

which under Rule 45 of the European Patent Convention EP 02 78 6970 shall be considered, for the purposes of subsequent proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 6 151 107 A (SCHOELLERMANN ET AL) 21 November 2000 (2000-11-21) * the whole document * -----	19-26	A61B1/00 A61B5/00
X	US 5 810 723 A (ALDRICH ET AL) 22 September 1998 (1998-09-22) * column 4, line 35 - line 45 * -----	19-26	
X	US 5 746 206 A (MANNHEIMER ET AL) 5 May 1998 (1998-05-05) * column 1, line 64 - column 2, line 29 * * column 4, line 36 - line 48 * -----	19-26	
X	WO 95/12349 A (AARNOUDSE, JAN, GERARD; CENTRUM VOOR BIOMEDISCHE TECHNOLOGIE RIJKSUNIV) 11 May 1995 (1995-05-11) * page 4, line 27 - page 7, line 15 * * page 24, line 11 - page 25, line 4 * -----	19-26	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			A61B
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
INCOMPLETE SEARCH			
The Search Division considers that the present application, or some or all of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for the following claims: Claims searched completely : Claims searched incompletely : Claims not searched : Reason for the limitation of the search: see sheet C			
Place of search Berlin		Date of completion of the search 7 July 2005	Examiner Abraham, V
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	



Claim(s) not searched:
1-18

Reason for the limitation of the search (non-patentable invention(s)):

Article 52 (4) EPC - Method for treatment of the human or animal body by surgery

The claimed methods implicitly include the step of placing the measurement probe onto the tissue under investigation. Since the present application also refers to oximetry using invasive probes as shown in figures 3a and 3b, the claimed methods encompass the surgical step of placing an invasive probe.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 78 6970

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

07-07-2005

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6151107 A	21-11-2000	WO 9804903 A1	05-02-1998
		DE 59707228 D1	13-06-2002
		EP 0914601 A1	12-05-1999
		ES 2173457 T3	16-10-2002
		JP 2000515972 T	28-11-2000
US 5810723 A	22-09-1998	US 6397093 B1	28-05-2002
US 5746206 A	05-05-1998	US 5524617 A	11-06-1996
		CA 2215163 A1	19-09-1996
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		DE 69632628 T2	09-06-2005
		EP 0812148 A1	17-12-1997
		JP 11501848 T	16-02-1999
		WO 9628085 A1	19-09-1996
WO 9512349 A	11-05-1995	WO 9512349 A1	11-05-1995

专利名称(译)	脉搏血氧仪的自适应校准		
公开(公告)号	EP1453412A4	公开(公告)日	2005-08-31
申请号	EP2002786970	申请日	2002-12-05
[标]申请(专利权)人(译)	RIC投资有限责任公司		
申请(专利权)人(译)	RIC INVESTMENTS, INC.		
当前申请(专利权)人(译)	RIC INVESTMENTS, INC.		
[标]发明人	ZONIOS GEORGE IYER VIJAY K SHANKAR UDAY S		
发明人	ZONIOS, GEORGE IYER, VIJAY, K. SHANKAR, UDAY, S.		
IPC分类号	A61B5/00 A61B1/00		
CPC分类号	A61B5/1495		
优先权	60/337515 2001-12-06 US 10/309878 2002-12-04 US		
其他公开文献	EP1453412A2		
外部链接	Espacenet		

摘要(译)

一种用于校准脉搏血氧计装置的方法和包含该方法装置以及利用该方法系统的系统。该方法基于对在两个波长的组织中的光传播进行建模，通常，一个在红色范围内，一个在红外范围内。推导出将动脉血氧饱和度与通常由标准脉搏血氧计测量的比率R相关联的公式。识别特定参数并在血氧计的校准中使用。该参数根据脉搏血氧计在两个波长处测量的DC信号来表示。还描述了用于基于实验数据估计该参数的经验方法。

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Claims searched completely:					
Claims not searched:					
Reason for the limitation of the search: see sheet C					
Place of search Berlin		Date of completion of the search 7 July 2005			
Inventor Abraham, V		Applicant			
<table border="0"> <tr> <td style="vertical-align: top;"> CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if considered with another document of the same category A: technological background C: non-written disclosure P: intermediate document </td> <td style="vertical-align: top;"> I: theory or principle underlying the invention A: prior art documents, not published yet, or after the filing date D: document cited for other reasons C: document cited for other reasons A: member of the same patent family, corresponding document P: member of the same patent family, corresponding document </td> </tr> </table>				CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if considered with another document of the same category A: technological background C: non-written disclosure P: intermediate document	I: theory or principle underlying the invention A: prior art documents, not published yet, or after the filing date D: document cited for other reasons C: document cited for other reasons A: member of the same patent family, corresponding document P: member of the same patent family, corresponding document
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TECHNICAL FIELD SEARCHED					
A61B					