

Application Number EP 15 74 3506

		ERED TO BE RELEVANT		
Category	Citation of document with in of relevant passa	dication, where appropriate, ges	Relevan to claim	
Υ	temporal tracking o speckles pattern", JOURNAL OF BIOMEDIC vol. 15, no. 6, 22 November 2010 (2 061707, XP055093274 ISSN: 1083-3668, DO * abstract *	<pre>pulse pressure via f reflected secondary AL OPTICS, 010-11-22), page</pre>	6	INV. 6 A61B5/00 A61B5/145 A61B3/16 G01N33/483 G01B5/10 A61B5/02 A61B5/0205 A61B5/0215 A61B5/1455 A61B5/1459 A61B5/08
V 5	* 4 Results; figures 3, 4 *		1 5	A61B3/00 A61B3/10 A61B5/01
X,D		ENCIA [ES]; ZALĒVŠKY ary 2009 (2009-01-29) page 13, line 6 *	1-5, 9-13,1	A61B5/026 ADD. TECHNICAL FIELDS
	* page 28, line 7 - figures 4,5 *	page 30, line 20;		SEARCHED (IPC) A61B
X A	[US]; LU JU) 17 Dec * page 11, line 26 figure 1 *	S]; JACOBS KENNETH M ember 2009 (2009-12-1 - page 13, line 12;	7) 1,2,4, 16 3,9-12	
	* page 14, line 22 figure 3 * * page 21, line 28			
	figure 9 * * page 36, line 21 claim 30 *	- page 37, line 3;		
		-/		
	The supplementary search repor set of claims valid and available	t has been based on the last at the start of the search.		
	Place of search	Date of completion of the search		Examiner
X : parti Y : parti docu	The Hague ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anothument of the same category inological background	E : earlier paten after the filing er D : document cit L : document cit	nciple underlying to t document, but pu date led in the applicati ed for other reaso	ublished on, or on
O:non	-written disclosure rmediate document			mily, corresponding



Application Number EP 15 74 3506

I		ERED TO BE RELEVANT	I	
Category	Citation of document with in of relevant passa	dication, where appropriate, ges	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	Sensor for Low Fiel Measurement",	L, IEEE SERVICE CENTER, 13-02-01), pages 6, I: 227310	1,3,6	A61B5/021
Υ	W0 00/60350 A2 (UNI 12 October 2000 (20 * page 4, line 15 - * page 4, line 30 - figures 2,3 * * page 5, line 20 - * page 6, line 1 -	00-10-12) line 29; figure 1 * page 5, line 19; line 32 *	6	
X	[US] ET AL) 5 Decem * paragraph [0009] * paragraph [0011] * paragraph [0012] * paragraph [0014]	- paragraph [0034] *	1,7,8,14,15	TECHNICAL FIELDS SEARCHED (IPC)
	The supplementary search repor set of claims valid and available a	t has been based on the last at the start of the search.		
	Place of search The Hague	Date of completion of the search	l.to d	Examiner C
	The Hague	2 January 2018		iss-Schaber, C
X : parti Y : parti docu	ATEGORY OF CITED DOCUMENTS cularly relevant if taken alone cularly relevant if combined with anoth ment of the same category nological background	T : theory or principle E : earlier patent doc after the filing dat er D : document cited in L : document cited fo	ument, but publi e n the application	



Application Number EP 15 74 3506

	DOCUMENTS CONSIDERE		T =	
Category	Citation of document with indication of relevant passages	on, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2008/262359 A1 (TEAF [US] ET AL) 23 October * paragraph [0052] - paragraph [0078] - paragraph [0078] - paragraph [0086] - paragraph [0090]; figures 11,12 * * paragraph [0090]; figures 11,12 * * paragraph [0091]; figures 16 * * paragraph [0095] - paragraph [0095] - paragraph [0095] - paragraph [0095] - paragraph [0108] - paragra	2008 (2008-10-23) ragraph [0059]; ragraph [0084]; ragraph [0089]; rure 13 * rure 14 * ragraph [0094]; ragraph [0096];	1,7,8	
X	PONTICORVO ADRIEN ET AL contrast imaging of bloretinas using an endoso INTERNATIONAL SOCIETY FENGINEERING, SPIE, PO E 98227-0010 USA, vol. 18, no. 9, 1 September 2013 (2013-XP060024318, ISSN: 1083-3668, DOI: 10.1117/1.JB0.18.9.0905 [retrieved on 2013-09-2* the whole document *	ood flow in rat cope", OR OPTICAL OX 10 BELLINGHAM WA 09-01), page 90501,	1,7,8,14,15	TECHNICAL FIELDS SEARCHED (IPC)
	The supplementary search report has be set of claims valid and available at the set of claims. Place of search The Hague ATEGORY OF CITED DOCUMENTS inclination in the second search are set of the search and search are set of the search are	peen based on the last start of the search. Date of completion of the search 2 January 2018 T: theory or principle E: earlier patent doc after the filling date	underlying the in ument, but publis	
Y : parti docu A : tech O : non	cularly relevant if combined with another iment of the same category nological background -written disclosure mediate document	D : document cited in L : document cited fo	the application or other reasons	, corresponding



Application Number EP 15 74 3506

	DOCUMENTS CONSIDERE		T	
Category	Citation of document with indicat of relevant passages	ion, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
x	YOUNGWOON CHOI ET AL: Wide-Field Endoscopic Single Multimode Optic PHYSICAL REVIEW LETTER vol. 109, no. 20, 12 November 2012 (2012 203901-1, XP055423438, US ISSN: 0031-9007, DOI: 10.1103/PhysRevLett.10 * the whole document *	<pre>Imaging by Using a al Fiber", S, -11-12), pages 9.203901</pre>	1,7,8, 14,15	
T	OZANA NISAN ET AL: "D Remote Optical Measure That Correlates With B Rate, Pulse Pressure, and Blood Oxygenation" PROCEEDINGS OF THE IEE US, vol. 103, no. 2, 1 February 2015 (2015- 248-262, XP011576731, ISSN: 0018-9219, D0I: 10.1109/JPROC.2014.238 [retrieved on 2015-03-	ment Configuration reathing, Heart Blood Coagulation, , E, IEEE. NEW YORK, 02-01), pages 5793 24]	1-6, 9-13, 16	TECHNICAL FIELDS SEARCHED (IPC)
	Place of search	Date of completion of the search		Examiner
	The Hague	2 January 2018	Wei	ss-Schaber, C
X : parti Y : parti docu A : tech	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with another iment of the same category inological background -written disclosure	T : theory or principl E : earlier patent do after the filing da D : document cited i L : document cited f	cument, but publis te in the application or other reasons	shed on, or



CLAIMS INCURRING FEES
The present European patent application comprised at the time of filing claims for which payment was due.
Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):
No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.
LACK OF UNITY OF INVENTION
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:
see sheet B
All further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for all claims.
As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
Only part of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
None of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the first mentioned in the claims, namely claims:





LACK OF UNITY OF INVENTION SHEET B

EP 15 74 3506

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1, 2, 4, 5, 9-11, 13, 16(completely); 3, 12(partially)

Device and method for non-invasive monitoring blood pulse pressure performing speckle correlation analysis on defocused coherent imaging.

2. claims: 6(completely); 3(partially)

Device for non-invasive monitoring of other parameters performing speckle correlation analysis on defocused coherent imaging.

3. claims: 7, 8, 14, 15(completely); 12(partially)

Device for invasive monitoring of physiological parameters performing speckle correlation analysis on defocused coherent imaging.

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.

02-01-2018

Patent document cited in search report	Publication date		Patent family member(s)		Publication date
WO 2009013738 A1	29-01-2009	AU CA EP IL KR US WO	2183543 203262	A A1	29-01-2009 29-01-2009 12-05-2010 30-06-2015 06-07-2010 09-09-2010 29-01-2009
WO 2009151610 A2	17-12-2009	CN EP US WO	102037343 2300800 2011090500 2009151610	A A2 A1 A2	27-04-2011 30-03-2011 21-04-2011 17-12-2009
WO 0060350 A2	12-10-2000	AU WO	4063100 0060350		23-10-2000 12-10-2000
US 2002183601 A1	05-12-2002	AT AU EP JP US US US WO	454845 3084202 1434522 4241038 2004512538 2002183601 2007073162 2012022381 0236015	A1 B2 A A1 A1 A1	15-01-2010 15-05-2002 07-07-2004 18-03-2009 22-04-2004 05-12-2002 29-03-2007 26-01-2012 10-05-2002
US 2008262359 A1	23-10-2008	US WO	2008262359 2008121844		23-10-2008 09-10-2008



专利名称(译)	用于非侵入性地监测个体的生物或:	生物化学参数的方法和系统	
公开(公告)号	EP3099223A4	公开(公告)日	2018-02-14
申请号	EP2015743506	申请日	2015-01-28
申请(专利权)人(译)	巴伊兰大学 Universität大学瓦伦西亚		
当前申请(专利权)人(译)	巴伊兰大学 Universität大学瓦伦西亚		
[标]发明人	ZALEVSKY ZEEV GARCIA JAVIER BEIDERMAN YEVGENY MARGALIT ISRAEL OZANA NISIM NISAN ARBEL NADAV MICO VICENTE SANZ SABATER MARTIN BISHITZ YAEL SHAHMOON ASAF		
发明人	ZALEVSKY, ZEEV GARCIA, JAVIER BEIDERMAN, YEVGENY MARGALIT, ISRAEL OZANA, NISIM NISAN ARBEL, NADAV MICO, VICENTE SANZ SABATER, MARTIN BISHITZ, YAEL SHAHMOON, ASAF		
IPC分类号	A61B5/00 A61B5/145 A61B3/16 G	G01N33/483 G01B5/10	
CPC分类号	A61B3/165 A61B5/0066 A61B5/00 A61B5/02133 A61B5/0215 A61B5/ /14551 A61B5/1459 A61B5/442 A6 /02416 A61B5/0295 A61B5/083 A6	/0261 A61B5/0816 A61B5/14532 A 61B5/4504 A61B5/4875 A61B5/72	A61B5/14546 A61B5/1455 A61B5 A61B3/0008 A61B3/16 A61B5
优先权	14/168730 2014-01-30 US 61/457202 2011-01-28 US 61/457718 2011-05-18 US		
其他公开文献	EP3099223A1		
外部链接	Espacenet		

摘要(译)

提出了一种用于监测受试者身体的一种或多种状况的系统和方法。该系统包括控制单元,该控制单元包括用于接收图像数据的输入端口,存储器实用程序和处理器实用程序。图像数据指示由像素检测器阵列测量的数据,并且是由对象身体的一部分响应于根据某个采样时间模式通过相干光对其进行照射而产生的一系列散斑图案的形式。存储器实用程序存储一个或多个预定模型,该模型包括指示一个或多个可测量参数与受试者身体的一个或多个状况之间的关系的数据。处理器实用程序被配置并可操作用于处理图像数据以确定一个或多个相应的身体状况;并产生指示相应身体状况的输出数据。

| Application Transfer | Application Transfer

Category	Citation of document with it of relevant pass	ndication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	VEVEENY BEIDERMAN LEST MAN LES	IT AL: "Remote pressure via pulse pressure via freflected secondary AL OPTICS, 2010-11-22), page 11: 10.1117/1.3505008 ttup and Test Planning;	1-5, 9-13,16	INV. A61B5/06 A61B5/145 A61B3/16 G01B5/16 G01B5/10 A61B5/02 A61B5/02 A61B5/0215 A61B5/0215 A61B5/1459 A61B5/1459 A61B5/1459 A61B5/1459 A61B5/1459 A61B5/1459 A61B5/1459 A61B5/1659 A61B5/1659 A61B5/1659
X.D		UNIV BAR ILAN [IL]; ENCIA [ES]; ZALEVŠKY Jary 2009 (2009-01-29); page 13, line 6; page 28, line 6;	1-5. 9-13,16	A6185/026 ADD. TECHNICAL FIELDS SEARCHED (IPC) A618
× A	[US]; LU JU) 17 Dec * page 11, line 26 figure 1 * * page 14, line 22 figure 3 *	iS]; JACOBS KENNETH M cember 2009 (2009-12-17) - page 13, line 12; - page 15, line 8; - page 23, line 10;	1,2,4,5, 16 3,9-12	
	The supplementary search repo- set of claims valid and available Piace of search	rt has been based on the last at the start of the search. Date of completion of the search	Ц	Examiner
X part Y part stime A tech	The Hague ATEGORY OF CITED DOCUMENTS builderly referent if toben alone intend of the same ballegry with anot including background including background	2 January 2018 T. Ibeery or principle G. carlier patient doc where the Ting skele L. december of the ting december B. menches of the an	underlying the in ument, but public the application of other reasons	ihed on, ar