



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 6 062 216 A (CORN ET AL) 16 May 2000 (2000-05-16) * abstract *	1-3,6, 10,11, 13-18, 22,23	A61B5/11 A61B5/08 A61B5/00
Y	* column 2, line 39 - column 8, line 67 *	4,5,7-9, 12,19-21	
Y	----- WO 97/26824 A (FOTHERGILL, IAN, ROBERT) 31 July 1997 (1997-07-31) * abstract * * page 2 - page 12 *	4,5,7-9, 12,21	
Y	----- WO 90/09560 A (JOHN LYSAGHT LIMITED) 23 August 1990 (1990-08-23) * abstract; figures 7-11 *	19,20	
A	----- FR 1 570 640 A (JEAN L'HIRONDEL) 13 June 1969 (1969-06-13) * the whole document *	1,21	
P,X	----- WO 01/82785 A (FLOCK, STEPHEN, T; MARCHITTO, KEVIN, S) 8 November 2001 (2001-11-08) * the whole document *	1	TECHNICAL FIELDS SEARCHED (IPC) A61B
A	----- US 5 107 845 A (GUERN ET AL) 28 April 1992 (1992-04-28) * column 2, line 43 - column 3, line 10 * * column 4, line 64 - column 7, line 11 *	1	
A	----- US 3 796 208 A (BLOICE J,GB) 12 March 1974 (1974-03-12) * abstract *	1	
----- -/--			
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search Munich		Date of completion of the search 29 March 2006	Examiner Beck, E
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, ooresponding document	

1
EPO FORM 1503 06.82 (F04C04)



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	DE 31 09 026 A1 (SCHUBERT, GEB. GRUBER, EDITH; SCHUBERT, GEB. GRUBER, EDITH, 6800 MANNHEIM) 23 September 1982 (1982-09-23) * page 7 - page 9 * -----	1	
			TECHNICAL FIELDS SEARCHED (IPC)
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search Munich		Date of completion of the search 29 March 2006	Examiner Beck, E
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

1

EPO FORM 1503 03.82 (F04C04)

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

EP 01 99 9317

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.

29-03-2006

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6062216	A	16-05-2000	NONE	
WO 9726824	A	31-07-1997	AU 1450997 A	20-08-1997
			CA 2244168 A1	31-07-1997
			EP 0957763 A1	24-11-1999
			GB 2325519 A	25-11-1998
WO 9009560	A	23-08-1990	NONE	
FR 1570640	A	13-06-1969	NONE	
WO 0182785	A	08-11-2001	AU 6115901 A	12-11-2001
US 5107845	A	28-04-1992	AU 2712788 A	14-06-1989
			BR 8807809 A	09-10-1990
			DE 3882050 T2	10-02-1994
			DK 127890 A	23-05-1990
			EP 0388422 A1	26-09-1990
			FR 2623388 A1	26-05-1989
			WO 8904633 A1	01-06-1989
			JP 3500974 T	07-03-1991
US 3796208	A	12-03-1974	DE 2205411 A1	15-03-1973
			FR 2141047 A5	19-01-1973
			GB 1378754 A	27-12-1974
DE 3109026	A1	23-09-1982	NONE	

专利名称(译)	监控		
公开(公告)号	EP1350466A4	公开(公告)日	2006-05-17
申请号	EP2001999317	申请日	2001-12-06
[标]申请(专利权)人(译)	学校法人庆应义塾 住友大坂水泥股份有限公司		
申请(专利权)人(译)	庆应大学 住友大阪水泥有限公司.		
当前申请(专利权)人(译)	庆应大学 住友大阪水泥有限公司.		
[标]发明人	AOKI HIROOKI KEIO UNI FACULTY OF SC ANDTECH NAKAJIMA MASATO KEIO UNI FAC OF SC AND TECH TAKEMURA YASUHIRO SUMITOMO OSAKA CEMENT CO LTD MIMURA KAZUHIRO SUMITOMO OSAKA CEMENT CO LTD		
发明人	AOKI, HIROOKI KEIO UNI.FACULTY OF SC. ANDTECH. NAKAJIMA, MASATO KEIO UNI.FAC. OF SC.AND TECH. TAKEMURA, YASUHIRO SUMITOMO OSAKA CEMENT CO., LTD. MIMURA, KAZUHIRO SUMITOMO OSAKA CEMENT CO., LTD.		
IPC分类号	A61B5/00 A61B5/08 A61B5/11 A61B5/113 G06Q50/22 G08B21/02 G08B25/04		
CPC分类号	A61B5/4818 A61B5/1135 A61B5/726		
优先权	2000372820 2000-12-07 JP		
其他公开文献	EP1350466A1 EP1350466B1		
外部链接	Espacenet		

摘要(译)

监视器可以检测睡眠者的呼吸而不受睡眠者的姿势或室内照明光的影响，并且可以通过图像测量容易地定量地评估检测到的呼吸。监视器包括用于投射指定照明图案的装置（1），用于连续拾取投射光的图像的装置（5），用于根据所获取的两个帧的图像计算照明图案的帧间移动量的装置（7）。通过图像拾取装置在不同时间，产生包括按时间顺序排列的帧间移动量的移动量波形数据的装置（8），和从移动量波形数据中检测物体的移动的装置（9）。

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 6 062 216 A (CORN ET AL) 16 May 2000 (2000-05-16)	1-3,6, 10,11, 13-18, 22,23	A61B5/11 A61B5/08 A61B5/00
Y	* abstract * * column 2, line 39 - column 8, line 67 *	4,5,7-9, 12,19-21	
Y	WO 97/26824 A (FOTHERGILL, IAN, ROBERT) 31 July 1997 (1997-07-31) * abstract * * page 2 - page 12 *	4,5,7-9, 12,21	
Y	WO 90/09560 A (JOHN LYSAGHT LIMITED) 23 August 1990 (1990-08-23) * abstract: FIGURES 7-11 *	19,20	
A	FR 1 570 640 A (JEAN L'HIRONDEL) 13 June 1969 (1969-06-13) * the whole document *	1,21	
P,X	WO 01/82785 A (FLOCK, STEPHEN, T; MARCHITTO, KEVIN, S) 8 November 2001 (2001-11-08) * the whole document *	1	TECHNICAL FIELD SEARCHED A61B
A	US 5 107 845 A (GUERN ET AL) 28 April 1992 (1992-04-28) * column 2, line 43 - column 3, line 10 * * column 4, line 64 - column 7, line 11 *	1	
A	US 3 796 208 A (BLOICE J.GB) 12 March 1974 (1974-03-12) * abstract *	1	
		--- --	
The supplementary search report has been based on the last set of claims valid and available at the start of the search			
1	Place of search	Date of completion of the search	Examiner
	Munich	29 March 2006	Beck, E
CATEGORY OF CITED DOCUMENTS			
X: particularly relevant if taken alone Y: particularly relevant if considered with another document A: technological background category S: non-relevant background P: intermediate document		I: theory or principle underlying the invention D: earlier patent document, not published on, or after the filing date E: document cited in the guidelines L: document cited for other reasons A: reference of the same patent family, corresponding document	