

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	JP H05 303011 A (NIPPON DENSO CO) 16 November 1993 (1993-11-16) * paragraphs [0031] - [0038], [0052] - [0059]; figures 9,10,14-16 *	1-20	INV. A61B1/005
A	WO 2007/033326 A2 (WELCH ALLYN INC [US]; KRAUTER ALLAN I [US]; NEWMAN RICHARD W [US]; LIA) 22 March 2007 (2007-03-22) * paragraphs [0074] - [0088], [0100] - [0102], [0117], [0129] - [0136] *	1-20	
A	US 7 369 327 B1 (NISHIOKA KIMIHIKO [JP]) 6 May 2008 (2008-05-06) * column 24, line 4 - column 26, line 17 * * column 36, line 36 - line 42 * * column 41, line 4 - line 59; figures 27-33,56,64 *	1-20	
A	JP 2000 197604 A (OLYMPUS OPTICAL CO) 18 July 2000 (2000-07-18) * the whole document *	1-20	
			TECHNICAL FIELDS SEARCHED (IPC)
			A61B G02B
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 22 January 2018	Examiner Rick, Kai
CATEGORY OF CITED DOCUMENTS		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	
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			

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

EP 11 84 5693

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
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22-01-2018

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP H05303011	A	16-11-1993	NONE	

WO 2007033326	A2	22-03-2007	US 2007156021 A1	05-07-2007
			WO 2007033326 A2	22-03-2007

US 7369327	B1	06-05-2008	NONE	

JP 2000197604	A	18-07-2000	NONE	

专利名称(译)	基于液体透镜技术的变功率内窥镜		
公开(公告)号	EP2645919A4	公开(公告)日	2018-03-07
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[标]申请(专利权)人(译)	阿德伦丝必康公司		
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代理机构(译)	JOHNSON , RICHARD ALAN		
审查员(译)	RICK , KAI		
优先权	61/418462 2010-12-01 US		
其他公开文献	EP2645919A1 EP2645919B1		
外部链接	Espacenet		

摘要(译)

描述了一种被实现为管道镜或包括一个或多个流体填充透镜的纤维内窥镜的内窥镜。在一个实施例中，可以调节流体填充透镜的光焦度以调节与内窥镜相关的焦距。因此，允许可变的工作距离，同时保持聚焦在内窥镜前面的物体上。内窥镜可包括距离传感器，其用于确定内窥镜与样本之间的距离。处理器可以将测量的距离与一个或多个密封的流体填充透镜的当前光焦度进行比较。处理器可以将信号传输到耦合到一个或多个密封的流体场透镜的一个或多个致动器，以基于比较改变一个或多个密封的流体填充透镜的光学功率。



**SUPPLEMENTARY
EUROPEAN SEARCH REPORT**

Application Number:
EP 11 84 5693

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X	JP H05 303011 A (NIPPON DENSO CO) 16 November 1993 ([1993-11-16]) * Paragraphs [0031] - [0036], [0052] - [0059]; figures 9,10,14-16 *	1-20	INV. A61B1/005
A	WO 2007/033326 A2 (WELCH ALLYN INC [US]; KBAUTER ALLAN I [US]; NEWMAN RICHARD W [US]; LIA) 22 March 2007 ([2007-03-22]) * Paragraphs [0074] - [0088], [0400] - [0402], [0117], [0125] - [0136] *	1-20	
A	US 7 369 327 B1 (NISHIOKA KIMIKO [JP]) 6 May 2008 (2008-05-06) * column 24, line 9 - column 26, line 17 * * column 30, line 36 - line 42 * * column 41, line 4 - line 59; figures 27-33,56,64	1-20	
A	JP 2000 197604 A (OLYMPUS OPTICAL CO) 18 July 2000 (2000-07-18) * the whole document *	1-20	
<p>The complementary search report has been drafted on the basis that the information available at the start of the search</p>			<p>TECHNICAL FIELDS SEARCHED (IPC)</p> <p>A61B G02B</p>
<p>IPC CLASSIFICATION</p> <p>Muntich</p>		<p>DATE OF COMPLETION OF THE SEARCH</p> <p>22 January 2018</p>	<p>EXAMINER</p> <p>Rick, Kai</p>
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X: cited document referred to in the description Y: cited document referred to in the claims A: document of the same category as the application W: prior art document E: intermediate document</p> <p>F: family of documents underlying the invention I: internal priority document, European patent or other patent document O: other non-patent literature P: patent document L: document cited for other reasons R: translation of the same patent family, corresponding document</p>			