



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 2002/102023 A1 (YAMAUCHI MASAKI) 1 August 2002 (2002-08-01) * paragraphs [0122] - [0124]; claim 1 *	1,2,7,9, 18,20	A61B8/00 G06K9/48
X	EP 1 030 187 A (THE JOHN P. ROBARTS RESEARCH INSTITUTE) 23 August 2000 (2000-08-23) * claim 1; tables 16-21 *	1,5,7,9	
Y	US 5 993 390 A (SAVORD ET AL) 30 November 1999 (1999-11-30) * column 3, line 9 - column 4, line 20; claim 1 *	1,5,7,9	
A		22,23, 26,36,42	
Y	US 5 465 721 A (KISHIMOTO ET AL) 14 November 1995 (1995-11-14) * abstract; claim 1 *	1,5,7,9	
X		20	
X	US 5 148 809 A (BIEGELEISEN-KNIGHT ET AL) 22 September 1992 (1992-09-22) * column 2, line 44 - column 5, line 51; figure 1 *	1,2,7,9, 18,20	
A	US 6 375 616 B1 (SOFERMAN ZIV ET AL) 23 April 2002 (2002-04-23) * column 6, line 28 - column 8, line 52 *	1-44	TECHNICAL FIELDS SEARCHED (IPC) A61B G06K
A	EP 1 076 318 A (THE JOHN P. ROBARTS RESEARCH INSTITUTE) 14 February 2001 (2001-02-14) * the whole document *	1-44	
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 27 February 2006	Examiner Chopinaud, M
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			

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

EP 03 76 7159

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.

27-02-2006

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002102023 A1	01-08-2002	JP 2002224116 A	13-08-2002
EP 1030187 A	23-08-2000	CA 2298131 A1	19-08-2000
		US 6385332 B1	07-05-2002
US 5993390 A	30-11-1999	NONE	
US 5465721 A	14-11-1995	NONE	
US 5148809 A	22-09-1992	NONE	
US 6375616 B1	23-04-2002	NONE	
EP 1076318 A	14-02-2001	CA 2301675 A1	13-02-2001
		US 6778690 B1	17-08-2004
		US 2004218797 A1	04-11-2004

专利名称(译)	基于3D超声波的仪器，用于非充满活力地测量流体填充和非流体填充结构		
公开(公告)号	EP1538986A4	公开(公告)日	2006-04-19
申请号	EP2003767159	申请日	2003-08-01
[标]申请(专利权)人(译)	诊断超声		
申请(专利权)人(译)	超声诊断CORPORATION		
当前申请(专利权)人(译)	超声诊断CORPORATION		
[标]发明人	CHALANA VIKRAM DUDYCHA STEPHEN MCMORROW GERALD		
发明人	CHALANA, VIKRAM DUDYCHA, STEPHEN MCMORROW, GERALD		
IPC分类号	A61B5/00 A61B8/00 A61B5/055 A61B6/00 A61B6/03 A61B8/08 G06K9/48 G06T1/00 G06T5/00 G06T5/20 G06T7/60		
CPC分类号	A61B8/00 A61B5/204 A61B8/0858 A61B8/0866 A61B8/462 A61B8/483 A61B2560/0456 G06T7/0012 G06T7/11 G06T7/12 G06T7/149 G06T7/62 G06T2207/10132 G06T2207/10136 G06T2207/30004 G06T2207/30016 G06T2207/30044 G06T2207/30048		
优先权	60/470525 2003-05-12 US 10/633186 2003-07-31 US 60/400624 2002-08-02 US 60/423881 2002-11-05 US 10/443126 2003-05-20 US		
其他公开文献	EP1538986B1 EP1538986A2		
外部链接	Espacenet		

摘要(译)

对分割算法进行了优化，以可靠地定位和测量来自超声，计算机辅助断层扫描，磁共振和位置发射断层扫描的成像系统中的液体填充或非液体填充结构或器官的体积。用通过分割算法处理的多个2D扫描平面测量临床样本，以估计基于2D的区域和基于3D的流体填充和非流体填充器官或结构的体积。

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 2002/102623 A1 (YAMAUCHI MASAKI) 1 August 2002 (2002-08-01) * paragraphs [0122] - [0124]; claim 1 *	1, 2, 7, 9, 18,20	A61B8/00 G06K9/48
X	EP 1 030 187 A (THE JOHN P. ROBERTS RESEARCH INSTITUTE) 23 August 2000 (2000-08-23) * claim 1; tables 16-21 *	1,5,7,9	
Y	US 5 993 390 A (SAVORD ET AL) 30 November 1999 (1999-11-30) * column 3, line 9 - column 4, line 20; claim 1 *	1,5,7,9	22,23, 26,36,42
Y	US 5 465 721 A (KISHIMOTO ET AL) 14 November 1995 (1995-11-14) * abstract; claim 1 *	1,5,7,9 20	
X	US 5 148 809 A (BIEGELEISEN-KNIGHT ET AL) 22 September 1992 (1992-09-22) * column 2, line 44 - column 5, line 51; figure 1 *	1,2,7,9, 18,20	TECHNICAL FIELD SEARCHED (IPC) A61B G06K
A	US 6 375 616 B1 (SOFERMAN ZIV ET AL) 23 April 2002 (2002-04-23) * column 6, line 28 - column 8, line 52 *	1-44	
A	EP 1 076 318 A (THE JOHN P. ROBERTS RESEARCH INSTITUTE) 14 February 2001 (2001-02-14) * the whole document *	1-44	
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 27 February 2006	Examiner Chopinard, M
CATEGORY OF CITED DOCUMENTS X particularly relevant if taken alone Y particularly relevant if combined with another document of the same category A documents of the state of the art P prior art known, but not published I theory or principle underlying the invention B prior art known, but published on, or after the filing date D document cited in the application C document cited for other reasons A' member of the same patent family, corresponding document			