

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	AL WEGENER: "Compression of Medical Sensor Data [Exploratory DSP]", IEEE SIGNAL PROCESSING MAGAZINE, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 27, no. 4, 1 July 2010 (2010-07-01), pages 125-130, XP011311324, ISSN: 1053-5888	1,7	INV. A61B8/14 G06T11/00 G06T15/00 G10K11/34
Y	* Sections: Sensor compression, not image compression; Medical sensor data rates are rising exponentially *	2-6,8-14	
Y	JUHA KIVIJÄRVI ET AL: "A comparison of lossless compression methods for medical images", COMPUTERIZED MEDICAL IMAGING AND GRAPHICS, vol. 22, no. 4, 1 July 1998 (1998-07-01), pages 323-339, XP055105648, ISSN: 0895-6111, DOI: 10.1016/S0895-6111(98)00042-1 * Section: 3. Compression methods; 3.1. Grayscale image compression methods *	2-5, 8-11,14	
Y	VISHRAM NANDEDKAR ET AL: "Lossless volumetric medical image compression with progressive multi-planar reformatting using 3-D DPCM", NATIONAL CONFERENCE ON IMAGE PROCESSING, BANGALORE, INDIA, 23 March 2005 (2005-03-23), XP055394647, * Sections: 2. 3-D differential pulse code modulation; 2.1. Mathematical formulation *	2-4, 8-10,13	TECHNICAL FIELDS SEARCHED (IPC) H04N G06T G10K
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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 <b>The Hague</b>		Date of completion of the search <b>31 July 2017</b>	Examiner <b>Mirkovic, Olinka</b>
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	

1  
EPO FORM 1503 03 82 (P04C04)

**SUPPLEMENTARY  
 EUROPEAN SEARCH REPORT**

Application Number  
 EP 11 81 6567

<b>DOCUMENTS CONSIDERED TO BE RELEVANT</b>			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	RAMABADRAN T V ET AL: "THE USE OF CONTEXTUAL INFORMATION IN THE REVERSIBLE COMPRESSION OF MEDICAL IMAGES", IEEE TRANSACTIONS ON MEDICAL IMAGING, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 11, no. 2, 1 June 1992 (1992-06-01), pages 185-195, XP000288454, ISSN: 0278-0062, DOI: 10.1109/42.141642 * Sections: I. Introduction; II. Source modeling and coding * -----	5,6,11,12	
			<b>TECHNICAL FIELDS SEARCHED (IPC)</b>
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 <b>The Hague</b>	Date of completion of the search <b>31 July 2017</b>	Examiner <b>Mirkovic, Olinka</b>
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 EPO FORM 1503 03 82 (P04C04)

专利名称(译)	超声波诊断装置及其控制方法		
公开(公告)号	<a href="#">EP2603146A4</a>	公开(公告)日	2017-09-06
申请号	EP2011816567	申请日	2011-08-05
[标]申请(专利权)人(译)	三星电子株式会社		
申请(专利权)人(译)	三星电子有限公司		
当前申请(专利权)人(译)	SAMSUNG ELECTRONICS CO., LTD.		
[标]发明人	LIM CHAI EUN KIM KANG SIK		
发明人	LIM, CHAI EUN KIM, KANG SIK		
IPC分类号	A61B8/14 G06T11/00 G06T15/00		
CPC分类号	A61B8/5207 G01S7/003 G10K11/341		
优先权	1020100076649 2010-08-09 KR		
其他公开文献	EP2603146A2		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

提供了一种超声诊断设备及其控制方法，该超声诊断设备对通过主计算机发送到目标并从目标反射的超声信号执行图像信号生成操作。超声诊断设备包括探头，该探头包括至少一个换能器，用于将超声信号发送到目标，接收从目标反射的超声信号，以及将接收的超声信号转换为模拟信号，模拟到数字（A/D转换器将来自探头的模拟信号输出转换为数字信号，压缩单元以压缩从A/D转换器输出的数字信号，以及主计算机解压缩由压缩单元压缩的数字信号和执行波束成形。

Category	Documents considered to be relevant	Relevant to claim	Classification of the application (IPC)
X	AL WEGENER: "Compression of Medical Sensor Data (Exploratory DSP)", IEEE SIGNAL PROCESSING MAGAZINE, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 27, no. 4, 1 July 2010 (2010-07-01), pages 126-136, XP01111524, ISSN: 1053-5888 * Sections: sensor compression, not image compression; Medical sensor data rates are rising exponentially.	1-7	INV. A61B8/14 G06T11/00 G06T15/00 G10K11/34
Y	JUHA KIVIJÄRVI ET AL: "A comparison of lossless compression methods for medical images", COMPUTERIZED MEDICAL IMAGING AND GRAPHICS, vol. 22, no. 4, July 1998 (1998-07-01), pages 353-359, COM9505649, ISSN: 0895-6111, DOI: 10.1016/S0895-6111(98)00042-1 * Section: 3. Compression methods; 3.1. Grayscale image compression methods.	2-6, 8-14 2-5, 8-11, 14	
Y	VISHRAM NANDEKAR ET AL: "Lossless volumetric medical image compression with progressive multi-planar reformatting using 3-D DPCM", NATIONAL CONFERENCE ON IMAGE PROCESSING, BANGLORE, INDIA, 23 March 2005 (2005-03-23), XP05394647. * Sections: 2. 3-D differential pulse code modulation; 2.1. Mathematical formulation	2-4, 8-10, 13	HO4N G06T G10K

The supplementary search report has been based on the best set of claims valid at the start of the search.

1. Date of report: 31 July 2017. Examiner: Mirkovic, Olinka.

2. Category of search: The Hague.

3. Search criteria: 1. prior art documents, 2. prior art documents, 3. prior art documents, 4. prior art documents, 5. prior art documents, 6. prior art documents, 7. prior art documents, 8. prior art documents, 9. prior art documents, 10. prior art documents.