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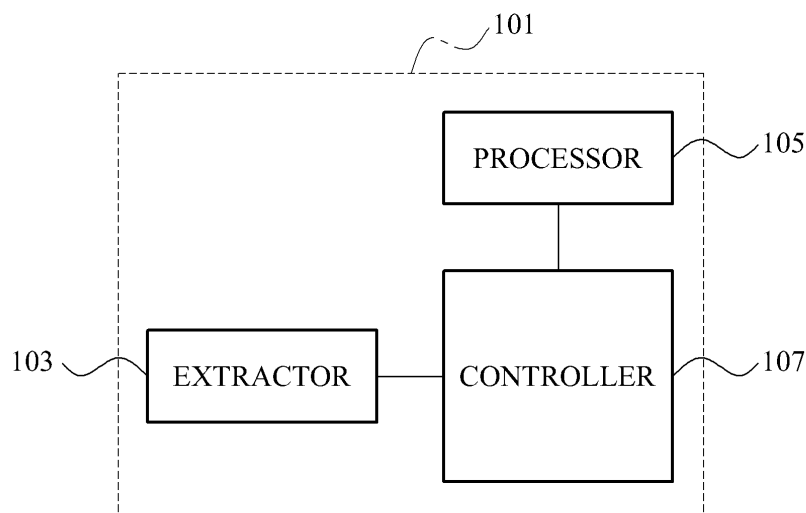
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(54) **3D ultrasound system and method for operating 3D ultrasound system**

(57) A 3-dimensional (3D) ultrasound system and a method for operating a 3D ultrasound system are provided. A 3D ultrasound system includes an extractor, a processor, and a controller. The extractor scans an image of an object in a human body, and extracts a region of in-

terest (ROI) image in an inputted ROI with respect to a selected image. The processor detects edges from a plurality of side images of the object with respect to the ROI image. The controller measures the thickness of the image using the detected edges.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 11 15 4696

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	WO 2009/136332 A2 (KONINKL PHILIPS ELECTRONICS NV [NL]; CHANG JIN [US]; SKYBA DAN [US]) 12 November 2009 (2009-11-12) * abstract; figures 1, 2, 4 * * page 4, line 1 - line 10 * * page 6, line 31 - page 7, line 2 * * page 7, line 29 - page 8, line 25 * * page 9, line 4 - page 12, line 9 * * page 12, line 31 - line 34 * -----	1-15	INV. A61B5/107 A61B8/00 A61B8/08 G01S7/52 G01S15/89
A	G. CLEMENTSCHITSCH ET AL: "Comparison between two- and three-dimensional ultrasound measurements of nuchal translucency", ULTRASOUND IN OBSTETRICS AND GYNECOLOGY, vol. 18, no. 5, November 2001 (2001-11), pages 475-480, XP055098027, ISSN: 0960-7692, DOI: 10.1046/j.0960-7692.2001.00566.x * abstract; figure 1 * * chapter MATERIALS AND METHODS * -----	1-15	TECHNICAL FIELDS SEARCHED (IPC)
A	US 2002/133075 A1 (ABDELHAK YAAKOV [US]) 19 September 2002 (2002-09-19) * abstract * * paragraph [0052] - paragraph [0062] * * paragraph [0067] * -----	1-15	A61B G01S
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 24 January 2014	Examiner Knoll, Bernhard
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	

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

EP 11 15 4696

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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24-01-2014

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2009136332 A2	12-11-2009	NONE	
US 2002133075 A1	19-09-2002	NONE	

专利名称(译)	3D超声系统和操作3D超声系统的方法		
公开(公告)号	EP2390681A3	公开(公告)日	2014-03-05
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审查员(译)	KNOLL伯恩哈德		
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其他公开文献	EP2390681A2		
外部链接	Espacenet		

摘要(译)

提供了一种三维 (3D) 超声系统和用于操作3D超声系统的方法。 3D超声系统包括提取器，处理器和控制器。提取器扫描人体中的对象的图像，并且针对所选图像提取输入的ROI中的感兴趣区域 (ROI) 图像。处理器检测来自对象的多个侧图像相对于ROI图像的边缘。控制器使用检测到的边缘测量图像的厚度。

FIG. 1

