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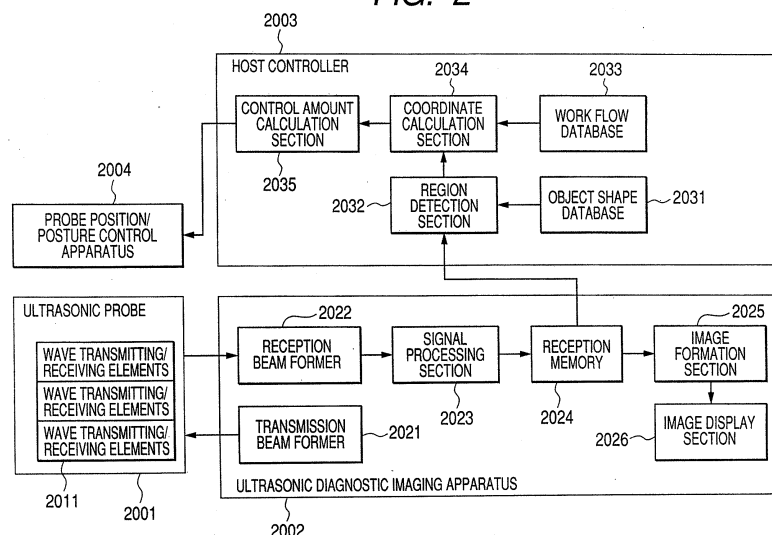
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(54) **Ultrasonic diagnostic imaging system and control method thereof**

(57) An ultrasonic diagnostic imaging system not depending on an operator who operates the apparatus is provided. The system includes a measuring unit (coordinate calculation section 2034) that measures a relative position and a relative posture of the ultrasonic probe with respect to an examinee using image information on the examinee acquired by the ultrasonic probe, a control amount calculation unit (2035) that calculates an amount of control of the position and posture of the ultrasonic

probe based on the measurement result of the measuring unit and at least one of a probe control mechanism that controls the position and posture of the ultrasonic probe using the amount of control calculated by the control amount calculation unit and a guiding information presentation unit that presents information for guiding movement of the position and posture of the ultrasonic probe using the amount of control calculated by the control amount calculation unit.

FIG. 2





EUROPEAN SEARCH REPORT

Application Number
EP 12 19 5661

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 6 425 865 B1 (SALCUDEAN SEPTIMIU E [CA] ET AL) 30 July 2002 (2002-07-30) * column 1, line 9 - line 11 * * column 2, line 48 - line 50 * * column 4, line 33 - line 41 * * column 6, line 20 - line 24 * * column 6, line 36 - line 43 * * column 8, line 15 - column 9, line 46 * * column 11, line 22 - line 61 * -----	1-5,8-10	INV. A61B8/00 G06T7/00
X	EP 1 348 377 A (ALOKA CO LTD [JP]) 1 October 2003 (2003-10-01) * paragraph [0042] - paragraph [0049]; figure 6 * * paragraph [0052] * -----	1-3,6-10	
X	US 2004/019270 A1 (TAKEUCHI TAKASHI [JP]) 29 January 2004 (2004-01-29) * paragraphs [0003], [0009], [0027], [0040], [0041], [0048] * * paragraph [0056] - paragraph [0060] * -----	1-5,8-10	TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 22 March 2013	Examiner Koprinarov, Ivaylo
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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EPO FORM 1503 03.82 (P04C01)

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

EP 12 19 5661

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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22-03-2013

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专利名称(译)	超声诊断成像系统及其控制方法		
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代理机构(译)	TBK		
审查员(译)	KOPRINAROV , IVAYLO		
优先权	2007226340 2007-08-31 JP		
其他公开文献	EP2567660A2		
外部链接	Espacenet		

摘要(译)

提供了一种不依赖于操作该装置的操作者的超声波诊断成像系统。该系统包括测量单元(坐标计算部分2034)，其使用关于由超声波探头获取的被检者的图像信息测量超声波探头相对于被检者的相对位置和相对姿势，控制量计算单元(2035)计算超声波探头的位置和姿势的控制量，基于测量单元的测量结果和探测器控制机构中的至少一个，该探测器控制机构使用由下式计算的控制量来控制超声波探头的位置和姿势。控制量计算单元和引导信息呈现单元，其使用由控制量计算单元计算的控制量来呈现用于引导超声波探头的位置和姿势的移动的信息。

