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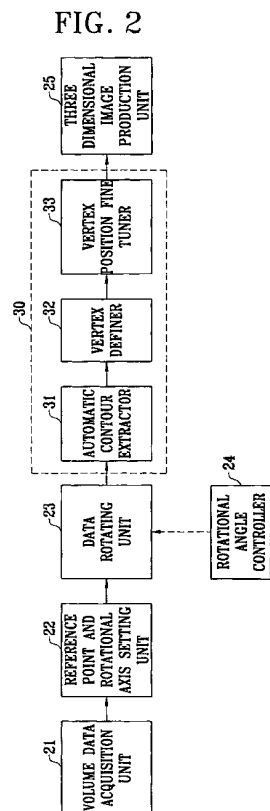
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(54)

Ultrasonic image apparatus for separating object

(57) An ultrasonic image apparatus is provided in which a diagnostic object is separated from the background to show the separated object in a three dimensional image. Here, a contour of a target object is automatically separated and extracted and the extracted information is used to visualize the object in three dimension. Thus, the object can be visualized in three dimension based on the extracted information, to thereby observe the shape of the object without having a physical treatment such as a surgical operation. It is also possible to display the shape of the two dimensional cross-section on a monitor in the case that the object is cut at a certain angle without running a surgical operation. Also, since the shape information of the three dimensional object can be obtained additionally, the volume of the apparatus necessary for diagnosis can be obtained without making a particular additional calculation.





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EUROPEAN SEARCH REPORT

Application Number
EP 00 11 9226

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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			G06T G06F
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 16 October 2003	Examiner Zamuner, U
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 00 11 9226

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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专利名称(译)	用于分离物体的超声波图像设备		
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其他公开文献	EP1083443A2 EP1083443B1		
外部链接	Espacenet		

摘要(译)

提供一种超声波图像设备，其中诊断对象与背景分离以在三维图像中显示分离的对象。这里，目标对象的轮廓被自动分离和提取，并且提取的信息用于在三维中可视化对象。因此，可以基于提取的信息在三维中可视化对象，从而观察对象的形状而无需诸如外科手术的物理处理。在不进行外科手术的情况下以一定角度切割对象的情况下，还可以在监视器上显示二维横截面的形状。而且，由于可以另外获得三维物体的形状信息，所以可以获得诊断所需的设备的体积而无需进行特定的附加计算。

