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(54) **Ultrasonic diagnostic apparatus, image processing apparatus and image processing method**

(57) An ultrasonic diagnostic apparatus comprises a unit for generating image data, an image reconstructing unit and an image synthesizing unit. The unit for generating image data generates image data for displaying a tomogram of a subject by luminance according to signal intensities of echo signals obtained through ultrasonic waves transmitted to the subject. The image reconstruct-

ing unit generates reconstructed images by alternating at least one of a luminance and a color of an area of a predetermined luminance so that the area of the predetermined luminance is emphasized in the image data while the predetermined luminance is altered in turn. The image synthesizing unit supplies the reconstructed images to a display unit so that the reconstructed images are displayed on the display unit in turn.

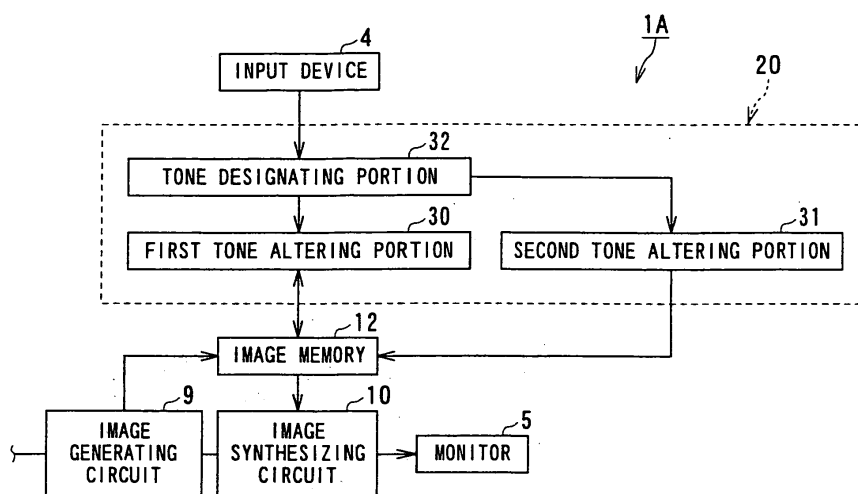


FIG. 11



EUROPEAN SEARCH REPORT

Application Number
EP 08 01 9965

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
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Place of search		Date of completion of the search	Examiner
Munich		28 October 2009	Artikis, T
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
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28-10-2009

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专利名称(译)	超声波诊断装置，图像处理装置和图像处理方法		
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摘要(译)

超声诊断设备包括用于产生图像数据的单元，图像重建单元和图像合成单元。用于产生图像数据的单元产生用于根据通过发送到对象的超声波获得的回波信号的信号强度通过亮度显示对象的断层图像的图像数据。图像重建单元通过交替预定亮度的区域的亮度和颜色中的至少一个来生成重建图像，使得在图像数据中强调预定亮度的区域，同时依次改变预定亮度。图像合成单元将重建的图像提供给显示单元，使得重建的图像依次显示在显示单元上。

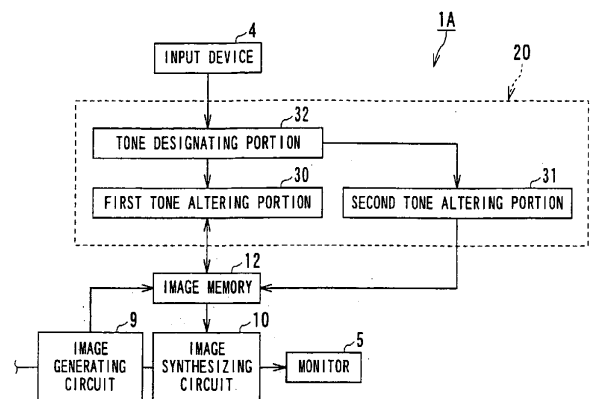


FIG. 11