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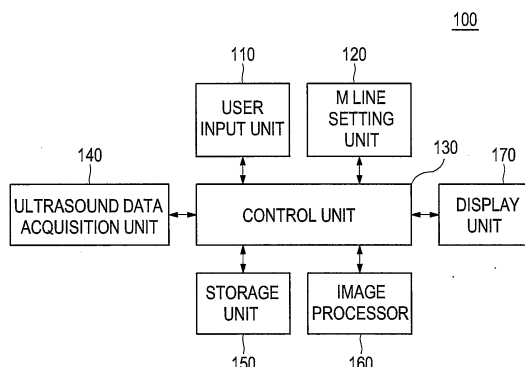
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(54) **Ultrasound system and method of providing color M mode image and brightness M mode image**

(57) There are disclosed embodiments for an ultrasound system (100) for providing a color M mode image and a brightness M mode image. The ultrasound system comprises: an ultrasound data acquisition unit (140) configured to perform a first operation for providing a first piece of ultrasound data for a color M mode image and a second operation for providing a second piece of ultrasound data for a brightness M mode image; a control unit (130) configured to control the ultrasound data acquisition unit (140) to perform the first operation by an average

number of times and the second operation one or more times in a selective pattern within a predetermined sweep period to respectively accumulate the first pieces of ultrasound data and the second pieces of ultrasound data provided from the ultrasound data acquisition unit (140); and an image processor (160) configured to form the color M mode image based on the accumulated first pieces of ultrasound data and to form the brightness M mode image based on the accumulated second pieces of ultrasound data.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 10 15 7867

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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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Y	* figures 3 - 19 * * paragraph [0001] - paragraph [0002] * * paragraph [0004] - paragraph [0008] * * paragraph [0052] - paragraph [0054] * * paragraphs [0066], [0092] - [0093] *	3-15	

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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			A61B G01S
Place of search		Date of completion of the search	Examiner
Munich		18 October 2012	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.**

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The members are as contained in the European Patent Office EDP file on
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18-10-2012

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专利名称(译)	超声系统和提供彩色M模式图像和亮度M模式图像的方法		
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当前申请(专利权)人(译)	三星MEDISON CO. , LTD.		
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审查员(译)	KNOLL伯恩哈德		
优先权	1020090029678 2009-04-07 KR		
其他公开文献	EP2238912A2 EP2238912B1		
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摘要(译)

公开了用于提供彩色M模式图像和亮度M模式图像的超声系统 (100) 的实施例。超声系统包括：超声数据获取单元 (140) ，被配置为执行第一操作，用于为彩色M模式图像提供第一条超声数据;以及第二操作，用于为亮度M模式提供第二条超声数据图片;控制单元 (130) ，被配置为控制超声数据获取单元 (140) 在预定扫描周期内以选择模式执行第一操作平均次数和第二次操作一次或多次以分别累积第一次操作从超声数据获取单元 (140) 提供的多条超声数据和第二超声数据;图像处理器 (160) ，被配置为基于累积的第一超声数据形成彩色M模式图像，并基于累积的第二超声数据形成亮度M模式图像。

FIG. 1

