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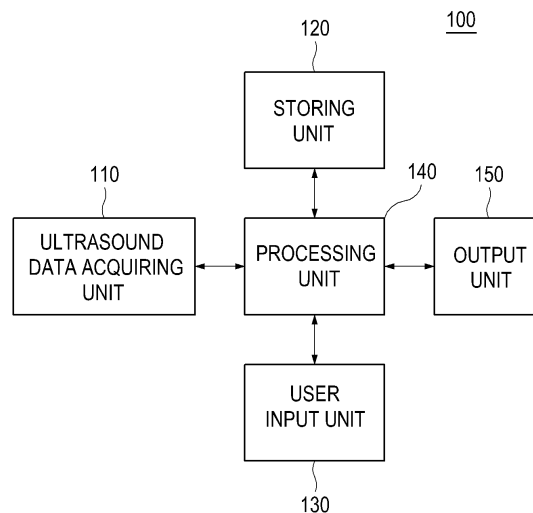
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(54) **Ultrasound system and method for providing doppler sound**

(57) Embodiments for providing Doppler sounds are disclosed. In one embodiment, provided is an ultrasound system which may include: an ultrasound data acquiring unit configured to transmit ultrasound signals to a target object and receive ultrasound echo signals reflected there from, to acquire a plurality of ultrasound data associated with the target object, each of which having a synchronization (Sync) number uniquely assigned thereto; a storing unit to store the plurality of ultrasound data

therein; an user input unit configured to allow a user to input a user instruction; and a processing unit coupled to the ultrasound data acquiring unit, the storing unit and the user input unit and configured to form a Doppler mode image having the Sync number based on the plurality of ultrasound data, the processing unit being further configured to extract ultrasound data with a Sync number corresponding to the user instruction from the storing unit, thereby forming the Doppler sound based on the extracted ultrasound data.

FIG. 1



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EUROPEAN SEARCH REPORT

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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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			TECHNICAL FIELDS SEARCHED (IPC)
			G01S A61B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 22 May 2013	Examiner Knoll, Bernhard
CATEGORY OF CITED DOCUMENTS		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	
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			

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

EP 10 19 3595

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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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	超声系统和提供多普勒声音的方法		
公开(公告)号	EP2336804A3	公开(公告)日	2013-06-26
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其他公开文献	EP2336804B1 EP2336804A2		
外部链接	Espacenet		

摘要(译)

公开了用于提供多普勒声音的实施例。在一个实施例中，提供了一种超声系统，其可以包括：超声数据获取单元，被配置为将超声信号发送到目标对象并接收从其反射的超声回波信号，以获取与目标对象相关联的多个超声数据，每个超声数据。其中具有唯一分配给它的同步（Sync）号；存储单元，用于在其中存储多个超声数据；用户输入单元，被配置为允许用户输入用户指令；处理单元，连接超声数据获取单元，存储单元和用户输入单元，用于根据多个超声数据形成具有同步数的多普勒模式图像，处理单元还用于提取超声数据具有与来自存储单元的用户指令对应的Sync号，从而基于提取的超声数据形成多普勒声音。

