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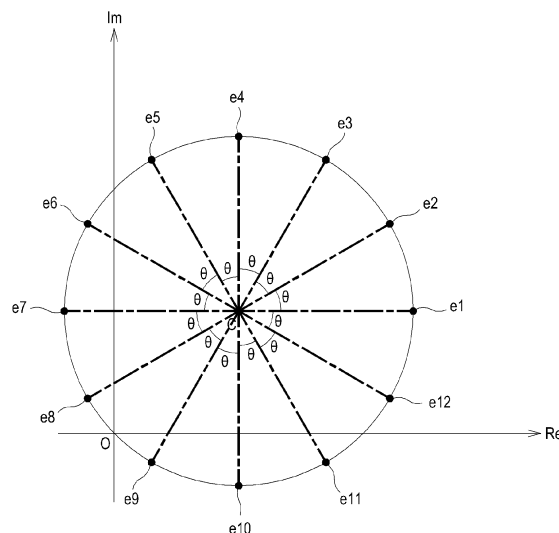
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(54) **Ultrasound system and method for adaptively performing clutter filtering**

(57) Embodiments of adaptively performing clutter filtering are disclosed. In one embodiment, by way of non-limiting example, an ultrasound system comprises: an ultrasound data acquisition unit configured to transmit and receive ultrasound signals to and from a target object to thereby output a plurality of ultrasound data for obtaining a color Doppler mode image, wherein the target object includes at least one of a tissue and a blood flow; and a

processing unit placed in communication with the ultrasound data acquisition unit and being configured to locate the plurality of ultrasound data on a complex plane, the processing unit being further configured to perform a circle fitting upon the plurality of ultrasound data located on the complex plane and perform a downmixing and a clutter filtering upon the circle-fitted ultrasound data in consideration of speed of the tissue.

FIG. 6





EUROPEAN SEARCH REPORT

Application Number
EP 10 16 0837

DOCUMENTS CONSIDERED TO BE RELEVANT			
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			
Place of search Munich		Date of completion of the search 17 April 2013	Examiner Zaneboni, Thomas
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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DOCUMENTS CONSIDERED TO BE RELEVANT			
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			
Place of search Munich		Date of completion of the search 17 April 2013	Examiner Zaneboni, Thomas
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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The members are as contained in the European Patent Office EDP file on
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17-04-2013

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专利名称(译)	用于自适应地执行杂波滤波的超声系统和方法		
公开(公告)号	EP2248468A3	公开(公告)日	2013-05-29
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其他公开文献	EP2248468A2 EP2248468B1		
外部链接	Espacenet		

摘要(译)

公开了自适应地执行杂波滤波的实施例。在一个实施例中，作为非限制性示例，超声系统包括：超声数据获取单元，被配置为向目标对象发送超声信号和从目标对象接收超声信号，从而输出多个超声数据以获得彩色多普勒模式图像，其中，目标物体包括组织和血流中的至少一种；处理单元，与超声数据采集单元通信，用于将多个超声数据定位在复平面上，处理单元还用于对位于复平面上的多个超声数据进行圆拟合并且考虑到组织的速度对圆拟合的超声数据执行缩混和杂波滤波。

FIG. 6

