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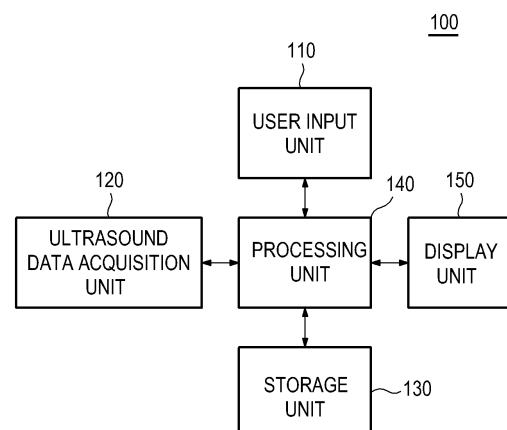
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(54) **Providing Color Doppler Image Based on Qualification Curve Information in Ultrasound System**

(57) There are provided embodiments for providing a color Doppler image based on qualification curve information. In one embodiment, an ultrasound system comprises: an ultrasound data acquisition unit configured to acquire ultrasound data corresponding to a living body including a moving target object; a storage unit for storing qualification curve information for determining blood flow signals of the target object, clutter signals and noise based on velocity and power components of Doppler signals; and a processing unit configured to form first Doppler signals based on the ultrasound data, perform a clutter filtering process upon the first Doppler signals to form second Doppler signals, calculate velocity and power components of the second Doppler signals, form a color Doppler image based on the calculated velocity and power components, and perform a blending process upon the color Doppler image based on the calculated velocity and power components and the qualification curve information.

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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A	US 5 720 291 A (SCHWARTZ GARY ALLEN [US]) 24 February 1998 (1998-02-24) * abstract * * column 3, lines 25-65 * * figure 1 *	4-7, 11-14	
			TECHNICAL FIELDS SEARCHED (IPC)
			G01S A61B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 14 October 2013	Examiner Couteau, Olivier
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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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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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)	基于资格曲线信息的超声系统彩色多普勒图像提供		
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外部链接	Espacenet		

摘要(译)

提供了用于基于限定曲线信息提供彩色多普勒图像的实施例。在一个实施例中，超声系统包括：超声数据获取单元，被配置为获取与包括移动目标对象的活体相对应的超声数据；存储单元，用于存储用于基于多普勒信号的速度和功率分量确定目标对象的血流信号，杂波信号和噪声的鉴定曲线信息；以及处理单元，被配置为基于所述超声数据形成第一多普勒信号，对所述第一多普勒信号执行杂波滤波处理以形成第二多普勒信号，计算所述第二多普勒信号的速度和功率分量，基于计算的速度和功率分量，并且基于计算的速度和功率分量和资格曲线信息对彩色多普勒图像执行混合处理。

FIG. 1

