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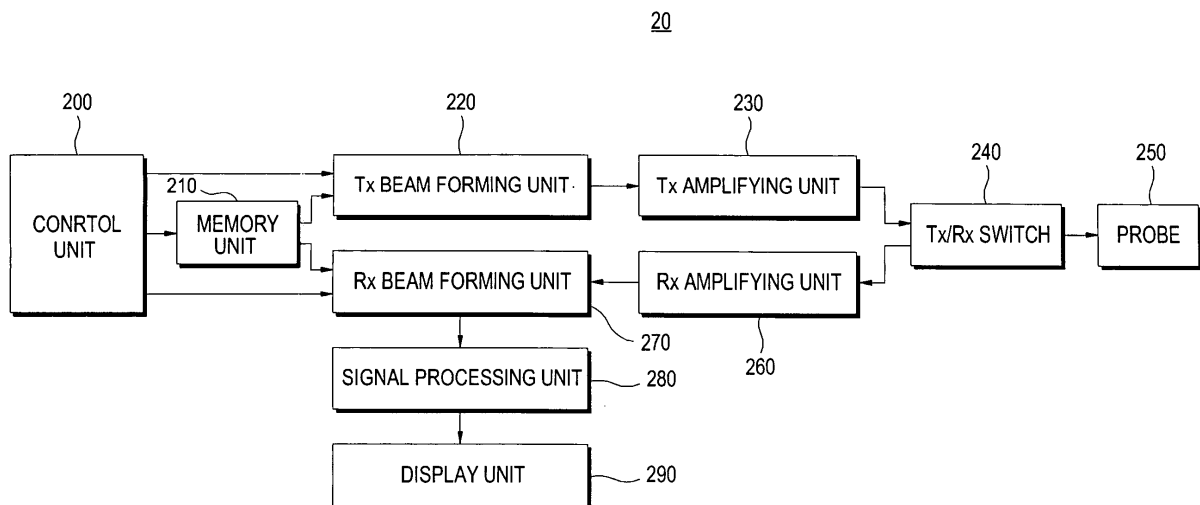
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(54) **Ultrasound diagnostic system and method of forming Tx and Rx beams by using delay data**

(57) An ultrasound diagnostic system including: a memory unit for storing transmit (Tx) delay data and receive (Rx) delay data necessary for forming a Tx beam and a Rx beam; a Tx beam forming unit for adjusting delays of Tx signals by referencing the Tx delay data stored in the memory unit to form the Tx beam; a probe

for converting the Tx signals into ultrasound signals and transmitting the ultrasound signals into a target object, the probe being configured to receive ultrasound echo signals reflected from the target object to output electrical Rx signals; and a Rx beam forming unit for adjusting delays of the Rx signals by referencing the Rx delay data stored in the memory unit to form the Rx beam.

FIG. 2



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EUROPEAN SEARCH REPORT

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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 4 September 2009	Examiner 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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EUROPEAN SEARCH REPORT

Application Number
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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 4 September 2009	Examiner Knoll, Bernhard
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ANNEX TO THE EUROPEAN SEARCH REPORT
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专利名称(译)	超声诊断系统和使用延迟数据形成Tx和Rx光束的方法		
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当前申请(专利权)人(译)	MEDISON CO. , LTD.		
[标]发明人	KYE SANG BUM		
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CPC分类号	G01S7/52017 A61B8/00 G01S15/8918 G01S15/8961 G10K11/346		
代理机构(译)	SCHMID , WOLFGANG		
优先权	1020050064419 2005-07-15 KR		
其他公开文献	EP1744175A2		
外部链接	Espacenet		

摘要(译)

一种超声诊断系统，包括：存储单元，用于存储发射（Tx）延迟数据和接收（Rx）形成Tx光束和Rx光束所需的延迟数据；Tx波束形成单元，用于通过参考存储在存储单元中的Tx延迟数据来调整Tx信号的延迟，以形成Tx波束；探测器，用于将Tx信号转换为超声信号并将超声信号发射到目标物体中，探测器被配置为接收从目标物体反射的超声回波信号以输出电Rx信号；Rx波束形成单元，用于通过参考存储在存储单元中的Rx延迟数据来调整Rx信号的延迟，以形成Rx波束。

