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(54) **Ultrasound color flow adaptive scanning techniques**

(57) An ultrasound survey frame (SF) is processed in order to determine the portions representing fluid flow. An assembly (20) again rescans only the portions of a subject represented by the portions of the survey frame

in which fluid flow was found. Target frames (TF) then are created from the rescanning and are processed in order to provide a color flow image restricted to the portions of the survey frame in which fluid flow is indicated.

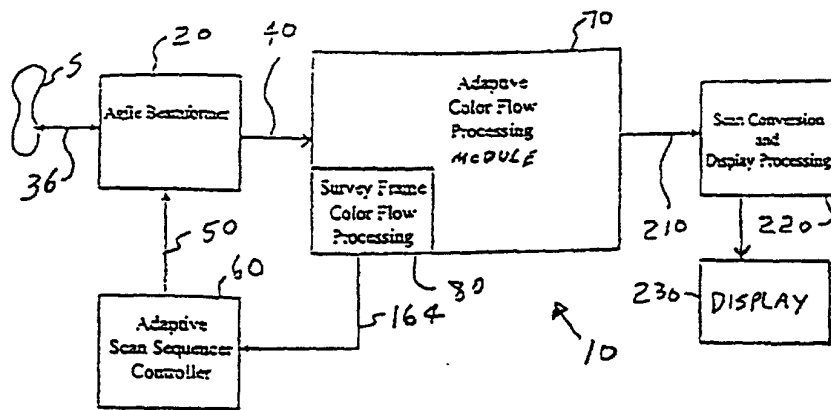


FIG. 1



European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 00 31 1498

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 4 530 363 A (BRISKEN AXEL F) 23 July 1985 (1985-07-23) * column 3, line 26 - column 4, line 22; figures 1-8 *	1-10	G01S15/89 G01S7/52
X	US 5 957 138 A (SPRATT RAY STEVEN ET AL) 28 September 1999 (1999-09-28) * column 3, line 8 - column 5, line 27; figures 1-5 *	1,2,6,7	
X	US 5 562 097 A (YAO LIN X) 8 October 1996 (1996-10-08) * column 3, line 60 - column 4, line 31 *	1,2,6,7	
A	US 4 209 853 A (HYATT GILBERT P) 24 June 1980 (1980-06-24) * abstract; figures 1-8 *	1,6	
A	US 4 932 415 A (ANGELSEN BJORN A J ET AL) 12 June 1990 (1990-06-12) * column 3, line 36 - column 4, line 64; figures 1-6 *	1,6	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			G01S
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 21 April 2004	Examiner Fanjul Caudevilla, J
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			

EPO FORM 1503 03/82 (P/04C01)

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

EP 00 31 1498

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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21-04-2004

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专利名称(译)	超声彩色血流自适应扫描技术		
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外部链接	Espacenet		

摘要(译)

处理超声波测量框架 (SF) 以确定表示流体流动的部分。组件 (20) 再次仅重新扫描由调查框架中发现流体流动的部分所代表的对象部分。然后从重新扫描创建目标帧 (TF) 并对其进行处理，以便提供限制于指示流体流动的测量框架部分的彩色流图像。

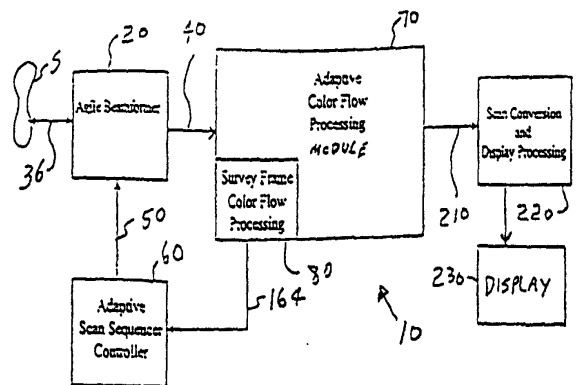


FIG. 1