



European Patent
Office

**SUPPLEMENTARY
PARTIAL EUROPEAN SEARCH REPORT**

Application Number

which under Rule 45 of the European Patent Convention EP 01 90 5414
shall be considered, for the purposes of subsequent
proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 0 538 241 A (HITACHI, LTD) 21 April 1993 (1993-04-21)	63, 65-79, 89,90 64	A61B8/00 A61N7/02
Y	* page 3, line 38 - page 5, line 44; figures 1A,1B,2A,2B *		
Y	----- US 5 752 515 A (JOLESZ ET AL) 19 May 1998 (1998-05-19) * column 4, lines 59-63 * * figure 1 *	64	
X	----- US 5 769 790 A (WATKINS ET AL) 23 June 1998 (1998-06-23) * column 3, lines 11-18,43-58 * * figures 1,3 * * abstract * ----- -/--	63,65, 68,75, 78,79, 89,90	
			TECHNICAL FIELDS SEARCHED (IPC)
			A61B A61N
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
INCOMPLETE SEARCH			
<p>The Search Division considers that the present application, or some or all of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for the following claims:</p> <p>Claims searched completely :</p> <p>Claims searched incompletely :</p> <p>Claims not searched :</p> <p>Reason for the limitation of the search:</p> <p>see sheet C</p>			
Place of search		Date of completion of the search	Examiner
Munich		14 March 2006	Willig, H
CATEGORY OF CITED DOCUMENTS			
<p>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</p> <p>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</p>			

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EPO FORM 1503 03.02 (P04C20)



Claim(s) not searched:
1-62,87,88,91

Reason for the limitation of the search (non-patentable invention(s)):

Claims 1-62, 87, 88 and 91 are directed to methods of treating a patient suffering from thrombosis. They explicitly define the therapeutic step "in a/the therapeutic mode, administering (therapeutic) ultrasound [...]" and are, thus, methods for treatment of the human or animal body by therapy in the sense of Art. 52(4) EPC.

Further limitation of the search

Claim(s) not searched:
80-86

Reason for the limitation of the search:

The documents intended for the proceedings before the EPO are the documents on which the international preliminary examination report is based. Since claims 80-86 as published were cancelled during the PCT phase, they are disregarded for the European proceedings.

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

EP 01 90 5414

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
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

14-03-2006

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0538241	A	21-04-1993	NONE	
US 5752515	A	19-05-1998	AU 4155797 A WO 9807367 A1	06-03-1998 26-02-1998
US 5769790	A	23-06-1998	NONE	
WO 9858588	A	30-12-1998	CA 2253664 A1 JP 2002516586 T	04-05-2000 04-06-2002
EP 0734742	A	02-10-1996	DE 69634714 D1 DE 69634714 T2 US 5984881 A	16-06-2005 19-01-2006 16-11-1999
DE 19625164	A1	02-01-1998	NONE	

专利名称(译)	将诊断超声与治疗超声相结合以增强血栓溶解的方法和设备		
公开(公告)号	EP1255488A4	公开(公告)日	2006-05-10
申请号	EP2001905414	申请日	2001-02-02
[标]申请(专利权)人(译)	SPENCER TECH		
申请(专利权)人(译)	SPENCER科技有限公司		
当前申请(专利权)人(译)	SPENCER科技有限公司		
[标]发明人	MOEHRING MARK A VOIE ARNE H SPENCER MERRILL P		
发明人	MOEHRING, MARK, A. VOIE, ARNE, H. SPENCER, MERRILL, P.		
IPC分类号	A61B8/00 A61B17/00 A61B8/06 A61B8/12 A61B17/22 A61B18/00 A61B19/00 A61N7/00 A61N7/02 H04R17/00		
CPC分类号	A61B8/0808 A61B8/06 A61B8/0816 A61B8/0833 A61B8/463 A61B8/481 A61B17/22004 A61B17/2256 A61B2090/378 A61N7/00		
优先权	09/500708 2000-02-09 US		
其他公开文献	EP1255488A2		
外部链接	Espacenet		

摘要(译)

描述了一种用于将治疗性脉冲或连续波超声与诊断性脉冲超声结合的方法和设备。在治疗模式和诊断模式两者中，从单个探针向患有血栓形成的患者施用超声。在诊断和治疗模式中，超声波可以具有相同或不同的频率范围。在治疗模式下的脉冲或连续波超声增强了血栓溶解剂的溶解作用。在诊断模式下的脉冲超声允许监视血流以定位血栓，确定最佳窗口以施予治疗性脉冲超声，并检测何时发生了再通。如果操作员使用该设备，则在诊断模式期间将运行图形显示器以显示代表血流的图像。

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Claims searched incompletely:			
Claims not searched:			
Reason for the limitation of the search: see sheet C			
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