



European Patent
Office

**SUPPLEMENTARY
PARTIAL EUROPEAN SEARCH REPORT**

Application Number

which under Rule 45 of the European Patent Convention EP 00 98 0492
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	DE 199 14 455 A1 (SIEMENS AG) 26 October 2000 (2000-10-26)	1,10,12, 13,17	INV. A61B19/00
Y	* the whole document *	2-19,22, 26-29, 40-42	
Y	----- WO 98/40026 A (SONOMETRICS CORPORATION; VESELY, IVAN) 17 September 1998 (1998-09-17) * pages 6-17; figures 1,5a *	1	
X	----- WO 99/58065 A (KRAG, DAVID, N) 18 November 1999 (1999-11-18)	17,37	
Y	* pages 33,34; figure 4 *	1,27-29, 37	
X	----- US 6 076 008 A (BUCHOLZ ET AL) 13 June 2000 (2000-06-13) * figure 3B *	38,39	
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			TECHNICAL FIELDS SEARCHED (IPC)
			A61B
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
INCOMPLETE SEARCH			
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: Claims searched completely : Claims searched incompletely : Claims not searched : Reason for the limitation of the search: see sheet C			
Place of search Munich		Date of completion of the search 17 July 2006	Examiner Herberhold, C
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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EPO FORM 1503 03.02 (P04C20)



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
Y	WO 00/65989 A (BIOTRACK, INC; SPIGELMAN, ZACHARY, S; THERIAULT, RICHARD, H) 9 November 2000 (2000-11-09) * page 12, line 10 - page 13, line 27; figure 1 *	2-17	
Y	----- US 5 638 819 A (MANWARING ET AL) 17 June 1997 (1997-06-17) * column 7, line 55 - column 8, line 44 *	22	
X	----- WO 00/53115 A (ROHWEDDER VISOTECH GMBH; SCHMID, MANFRED; KONRAD, PETER) 14 September 2000 (2000-09-14) * pages 1-2 *	1,18,19	
X	----- WO 99/33406 A (SURGICAL NAVIGATION TECHNOLOGIES, INC) 8 July 1999 (1999-07-08) * pages 1-2 * * pages 6,7,10 *	1,19,20, 23-25, 41,42	TECHNICAL FIELDS SEARCHED (IPC)
Y	----- WO 95/25475 A (ELEKTA INSTRUMENT AB; HAAKANSSON, HAAKAN) 28 September 1995 (1995-09-28)	18,19, 41,42	
X	* pages 1,3,4 *	1,23-25	
Y	----- FR 2 686 499 A (TECHNOMED INTERNATIONAL; INSTITUT NAL SANTE RECHERC MEDIC) 30 July 1993 (1993-07-30) * sentence 23 - sentence 32 * * page 8, line 1 - line 5 *	26	
X	----- WO 99/40869 A (THE UNIVERSITY OF IOWA RESEARCH FOUNDATION; BASKIN, KEVIN, M; BARNHART) 19 August 1999 (1999-08-19) * page 7, line 29 - page 8, line 18; figure 3 *	26	
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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	WO 00/51514 A (LUCENT MEDICAL SYSTEMS, INC; SINANAN, MIKA, N; SOMOGYI, CHRISTOPHER, P) 8 September 2000 (2000-09-08) * figures 1,2 *	30-32	
X	----- WO 00/38579 A (VIVANT MEDICAL, INC; SIRIMANNE, D., LAKSEN; FAWZI, NATALIE, V; SUTTON,) 6 July 2000 (2000-07-06)	33-36	
Y	* pages 9,19,21 - page 23; claim 14 *	37	
X	----- US 5 928 137 A (GREEN ET AL) 27 July 1999 (1999-07-27)	40	
Y	* column 13, line 52 - column 14, line 14; figure 22 *	40	TECHNICAL FIELDS SEARCHED (IPC)
Y	----- WO 99/58044 A (YOON, INBAE) 18 November 1999 (1999-11-18) * pages 18-29 *	40	



Claim(s) searched completely:
1-42

Claim(s) not searched:
43-47

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

Article 52 (4) EPC - Method for treatment of the human or animal body by surgery

Article 52 (4) EPC - Method for treatment of the human or animal body by therapy



CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-17, 22, 27-29, 38, 39

A system for locating a target location within a human body, the system comprising special display characteristics for the display of the target location during the use of the instrument

2. claims: 18-21, 41, 42

A system for locating a target location within a human body, the system comprising an instrument comprising a wireless control.

3. claims: 23,24,25

A system for locating a target location within a human body the system comprising a specific instrument.

4. claims: 26,30-37

Specific markers or system for locating a target location comprising a marker having specific characteristics (kind of marker, properties of the casing, the signal element, identifiers of the marker and fastening means of the marker).

5. claim: 40

An instrument for manipulation within a human comprising a user interface attached to the instrument.

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

EP 00 98 0492

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.

17-07-2006

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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ON EUROPEAN PATENT APPLICATION NO.**

EP 00 98 0492

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17-07-2006

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专利名称(译)	用于定位和定义人体内的目标位置的系统和方法		
公开(公告)号	EP1341465A4	公开(公告)日	2006-08-23
申请号	EP2000980492	申请日	2000-11-17
[标]申请(专利权)人(译)	CALYPSO医疗		
申请(专利权)人(译)	CALYPSO医疗有限公司		
当前申请(专利权)人(译)	CALYPSO医疗有限公司		
[标]发明人	Krag David Meier Eric Dimmer Steve Durbin Thomas Moody Trevor Silverstein Fred Harry Rosemary Frecka Richard Kinsella Amy Gilbert Jon		
发明人	Krag, David Meier, Eric Dimmer, Steve Durbin, Thomas Moody, Trevor Silverstein, Fred Harry, Rosemary Frecka, Richard Kinsella, Amy Gilbert, Jon		
IPC分类号	A61B10/02 A61B8/08 A61B17/00 A61B17/32 A61B17/34 A61B19/00		
CPC分类号	A61B17/32053 A61B17/3201 A61B17/3211 A61B17/3403 A61B34/20 A61B34/25 A61B34/74 A61B90/36 A61B90/39 A61B90/90 A61B90/92 A61B90/98 A61B2017/00349 A61B2017/320064 A61B2017/3413 A61B2034/107 A61B2034/2051 A61B2034/2063 A61B2034/2072 A61B2090/3908 A61B2090/392 A61B2090/3925 A61B2090/3929 A61B2090/3933 A61B2090/3937 A61B2090/3941 A61B2090/395 A61B2090/3954 A61B2090/3958 A61B2090/3975 A61B2090/3983 A61B2090/3995		
优先权	09/078982 1998-05-14 US		
其他公开文献	EP1341465B1 EP1341465A1		
外部链接	Espacenet		

摘要(译)

用于在人体中定位和定义target_ (M) 位置的系统和方法。 该系统可以包括至少一个marker_ (30 , _1100) , 探针 (1200) 和检测器 (34) , 用于通过向外科医生提供代表邻近度变化的信息来定位该marker (30、1100) 。 在探针 (1200) 和标记 (30、1100) 之间。 标记 (30,1100) 可以具有各种检测特性, 例如, 伽马辐射, 其可以由相关的探针 (1200) 和检测器 (34) 检测。 通过基于由检测器 (34) 提供的接近度信息来操纵切割工具来去除组织体积 (T) , 外科医生可以使用该信息来定义组织体积 (T) 的边界。 本发明的系统和方法特别适用于从无定形的, 柔韧的组织 (例如, 乳房组织) 或其他身体部位中定位然后去除组织体积 (T) 或其他目标位置。

DOCUMENTS CONSIDERED TO BE RELEVANT			Relevant to claim		Classification of the invention (IPC)	
Category	Citation of document with indication, where appropriate, of relevant passages					
X	DE 190 14 455 A1 (SIEMENS AG)	26 October 2000 (1990-10-26)		1, 10, 12, 13, 17	A61B19/00	
Y	* the whole document *			2-19, 22, 26-29, 40-42		
Y	WO 98/40026 A (SONOMETRICS CORPORATION; VESLEY, IVAN) 17 September 1998 (1999-09-17) * pages 6-17; figures 1, 5a *			1		
X	WO 99/58065 A (KRAG, DAVID, N) 16 November 1999 (1999-11-18) * pages 33, 34; figure 4 *			17, 37		
Y				1, 27-29, 37		
X	US 6 076 008 A (BUCHHOLZ ET AL) 13 June 2000 (2000-06-13) * figure 3B *			38, 39		
			- / -			
					TECHNICAL FIELD OF SEARCHED (IPC)	
					A61B	

The classification search report has been based on the last set of claims valid and available at the date of the search.

INCOMPLETE SEARCH

The Search Division considered that the present application, or some or all of its claims, described an invention with the IPC 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 reason:

Claims searched completely:

Claims searched incompletely:

Claims not searched:

Reason for the limitation of the search:

see sheet C