



European Patent
Office

**SUPPLEMENTARY
PARTIAL EUROPEAN SEARCH REPORT**

Application Number

which under Rule 45 of the European Patent Convention EP 01 99 4499 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	WO 00/59370 A (CAMBRIDGE UNIVERSITY TECHNICAL SERVICES LIMITED; LOWE, CHRISTOPHER, RO) 12 October 2000 (2000-10-12)	1,4-7, 10,11, 14,17,21	INV. A61B1/00
Y	* page 1, line 32 - page 4, line 18 * * page 6, line 28 - page 7, line 18 * * page 12, line 2 - page 14, line 17 * -----	1-4, 12-17,23	
X	SALEHI C ET AL: "A TELEMETRY-INSTRUMENTATION SYSTEM FOR LONG-TERM IMPLANTABLE GLUCOSE AND OXYGEN SENSORS" ANALYTICAL LETTERS, NEW YORK, NY, US, vol. 29, no. 13, 1996, pages 2289-2308, XP000889776 ISSN: 0003-2719 * the whole document * ----- -/--	1,4,5,7, 8,10,11, 14,17	
			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 4 July 2006	Examiner Rivera Pons, C
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			

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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	
X	EP 1 048 264 A (MEDTRONIC, INC) 2 November 2000 (2000-11-02) * abstract * * column 3, lines 30-33 * * paragraphs [0020] - [0049] *	1,2,4,5, 7,12-15, 17,23	
Y	-----	12,13,23	
Y	US 6 134 461 A (SAY ET AL) 17 October 2000 (2000-10-17) * column 3, line 10 - column 8, line 42 *	1-4, 14-17	
A	----- WO 00/49940 A (MINIMED INC) 31 August 2000 (2000-08-31) * page 14, line 30 - page 20, line 30 *	15-22	TECHNICAL FIELDS SEARCHED (IPC)
X	----- WO 99/56613 A (E. HELLER & COMPANY; SAY, JAMES; TOMASCO, MICHAEL, F; HELLER, ADAM; GA) 11 November 1999 (1999-11-11) * claims 94-103 * * page 37, lines 34-36 * * page 42, lines 33-35 * -----	51,53, 55-63	



Claim(s) not searched:
64

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

Inserting a sensor transcutaneously into a patient is considered a surgical step and renders the whole method surgical.



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:
1-24, 51-63
- 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: 1-24

Electrochemical glucose monitoring device

2. claims: 25-45

Device and method for transmitting data from an analyte monitor

3. claims: 51-64

Insertion kit for inserting an implant and method of insertion

4. claims: 46-50

An analyte monitoring device calculating the level analyte based also on skin temperature

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

EP 01 99 4499

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.

04-07-2006

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0059370	A	12-10-2000	AU 4128000 A	23-10-2000
EP 1048264	A	02-11-2000	US 6669663 B1 US 2004147872 A1	30-12-2003 29-07-2004
US 6134461	A	17-10-2000	AU 2465999 A EP 1060394 A2 JP 2002506209 T WO 9945387 A2 US 6484046 B1	20-09-1999 20-12-2000 26-02-2002 10-09-1999 19-11-2002
WO 0049940	A	31-08-2000	AT 303750 T AU 2995800 A CA 2354145 A1 DE 60022484 D1 DE 60022484 T2 DK 1154717 T3 EP 1154717 A2 JP 2002537566 A JP 3668426 B2 JP 2005128025 A US 6360888 B1 US 2002023852 A1	15-09-2005 14-09-2000 31-08-2000 13-10-2005 29-06-2006 23-01-2006 21-11-2001 05-11-2002 06-07-2005 19-05-2005 26-03-2002 28-02-2002
WO 9956613	A	11-11-1999	AU 2330799 A EP 1075209 A1 JP 2002513602 T US 6175752 B1 US 6565509 B1	23-11-1999 14-02-2001 14-05-2002 16-01-2001 20-05-2003

专利名称(译)	分析物监测装置和使用方法		
公开(公告)号	EP1355568A4	公开(公告)日	2006-08-16
申请号	EP2001994499	申请日	2001-12-28
[标]申请(专利权)人(译)	THERASENSE		
申请(专利权)人(译)	THERASENSE INC.		
当前申请(专利权)人(译)	THERASENSE INC.		
[标]发明人	HELLER ADAM DRUCKER STEVEN M JIN ROBERT Y FUNDERBURK JEFFERY V		
发明人	HELLER, ADAM DRUCKER, STEVEN, M. JIN, ROBERT, Y. FUNDERBURK, JEFFERY, V.		
IPC分类号	G01N27/416 A61B5/00 A61B5/07 A61B5/145 A61B5/1486 A61N1/08 A61B1/00		
CPC分类号	A61B5/0002 A61B5/0031 A61B5/076 A61B5/14532 A61B5/14546 A61B5/14865 A61B5/1495 A61B5/4839 A61B5/6833 A61B5/6849 A61B5/743 A61B2560/0252 A61B2560/0412 A61B2560/063 H04B1/707 H04L1/0071 A61B5/0022 A61B5/14503 A61B5/1473 A61B5/1486 A61B5/6832 A61B5/7405 A61B5/742 A61B5/7445		
优先权	09/753746 2001-01-02 US		
其他公开文献	EP1355568A2		
外部链接	Espacenet		

摘要(译)

一种传递表示体液中分析物水平的数字信号的方法，该方法包括：将多个数据字组装成数据消息，所述数据字中的至少一个包含从表示水平的数字信号导出的数据对于体液中的分析物，每个数据字包括一组比特，其中对于至少两个数据字，该组比特被组织成一组数据比特和一组纠错比特；并且发送数据消息，使得包括组装到数据消息中的多个数据字之一的比特不是连续发送的。

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Y	* page 1, line 32 - page 4, line 18 * * page 6, line 28 - page 7, line 18 * * page 12, line 2 - page 14, line 17 *	1-4, 12-17, 23	
X	SALEHI C ET AL: "A TELEMETRY-INSTRUMENTATION SYSTEM FOR LONG-TERM IMPLANTABLE GLUCOSE AND OXYGEN SENSORS" ANALYTICAL LETTERS, NEW YORK, NY, US, vol. 29, no. 13, 1996, pages 2289-2308, XP00889776 ISSN: 0003-2719 * the whole document *	1, 4, 5, 7, 8, 10, 11, 14, 17	
		----	TECHNICAL FIELD(S) SEARCHED A61B
The supplementary 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 considers that the present application, or some or all of its claims, despite all efforts with the EPC, is/are not subject to a meaningful search into the state of the art cannot be searched out, or can only be searched out partially, for the following reason:			
Claims searched incompletely:			
Claims not searched:			
Reason for the limitation of the search: see sheet C			
4	Place of search Munich	Date of completion of the search 4 July 2006	Station Rivera Pons, C
CATEGORY OF CITED DOCUMENTS			
X: particularly relevant if taken alone Y: particularly relevant if considered with another document of the same class A: technological background only C: non-written disclosure P: intermediate document		I: theory or principle underlying the invention E: earlier patent documents, but published on, or after the filing date D: document cited in the application L: document cited for other reasons A: member of the same patent family, corresponding document	