



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	WO 99/17095 A (M-BIOTECH, INC; HAN, IN, SUK; MAGDA, JULES, J; BAE, YOU, HAN; BAEK, SE) 8 April 1999 (1999-04-08) * the whole document * * page 21, line 4 - page 22, line 13 * * claims *	1-19, 28-30	G01N15/06 C12M1/34 A61K9/22 G01N33/53 A61B5/00 G01N33/66 G01N33/487
Y	-----	24,26	
X	EP 0 846 440 A (SARCOS, INC) 10 June 1998 (1998-06-10) * abstract; claims *	20-22,27	
Y	-----	23-26	
Y	US 5 305 745 A (ZACOUTO ET AL) 26 April 1994 (1994-04-26) * the whole document *	23	
Y	-----	23	
Y	US 5 544 651 A (WILK ET AL) 13 August 1996 (1996-08-13) * claim 12 *	23	
Y	----- TANNA S ET AL: "CHARACTERIZATION OF MODEL SOLUTE AND INSULIN DELIVERY ACROSS COVALENTLY MODIFIED LECTIN-POLYSACCHARIDE GELS SENSITIVE TO GLUCOSE" ARCHIVES OF DERMATOLOGICAL RESEARCH, SPRINGER, INTERNATIONAL, BERLIN, DE, vol. 4, no. 2, 1998, pages 117-122, XP009012222 ISSN: 0340-3696 * the whole document *	25	TECHNICAL FIELDS SEARCHED (Int.Cl.7) G01N A61B
Y	----- US 5 830 506 A (TAYLOR ET AL) 3 November 1998 (1998-11-03) * claims *	25	
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The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search Munich		Date of completion of the search 19 August 2005	Examiner Stricker, J-E
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 03.82 (F04C04)



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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
P,X	WO 01/16575 A (M-BIOTECH, INC; HAN, IN, SUK; BAE, YOU, HAN; JUNG, DAL, YOUNG; MAGDA,) 8 March 2001 (2001-03-08) * the whole document * -----	1-30	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search Munich		Date of completion of the search 19 August 2005	Examiner Stricker, J-E
<p>CATEGORY OF CITED DOCUMENTS</p> <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 (F04C04)



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: 1-19,28-30

Biosensor comprising an hydrogel, method of using it.

2. claims: 20-27

Health alarm system comprising a biosensor.

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

EP 01 95 7060

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.

19-08-2005

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			EP 1029229 A1	23-08-2000
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			EP 1212601 A1	12-06-2002
			JP 2003517588 T	27-05-2003
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专利名称(译)	水凝胶生物传感器和基于生物传感器的健康报警系统		
公开(公告)号	EP1309845A4	公开(公告)日	2005-10-12
申请号	EP2001957060	申请日	2001-04-20
[标]申请(专利权)人(译)	中号BIOTECH		
申请(专利权)人(译)	M-BIOTECH , INC.		
当前申请(专利权)人(译)	M-BIOTECH , INC.		
[标]发明人	MAGDA JULES JOHN LEW SEOK JEAN YOUNG SAN		
发明人	HAN,IN SUK MAGDA, JULES JOHN LEW,SEOK JEAN, YOUNG SAN		
IPC分类号	G01N33/483 A61B5/00 A61B5/145 G01N1/02 G01N13/04 G01N33/487 G01N33/53 G01N33/543 G01N33/66 G01N1/00		
CPC分类号	G01N33/5302 A61B5/14532 A61B5/14865 G01N13/04 G01N33/48792 G01N33/54373 G01N33/66 G01N2001/021		
优先权	60/199057 2000-04-22 US		
其他公开文献	EP1309845A2		
外部链接	Espacenet		

摘要(译)

生物传感器 (10) 在刚性且优选生物相容的外壳 (20) 中具有水凝胶 (30) 。水凝胶 (30) 包括固定的分析物结合分子 (ABM) 和固定的分析物。固定化分析物与游离分析物竞争性地结合到ABM，从而改变水凝胶中交联的数量 (30) ， 其在受限空间中与游离分析物浓度的浓度成比例地改变水凝胶溶胀趋势 (并因此改变渗透压) 。 。通过用压力传感器 (40) 测量水凝胶压力的变化，生物传感器 (10) 能够精确地测量游离分析物分子的浓度，而没有现有技术生物传感器遇到的氧气限制和干扰的问题。可操作地接合到压力传感器 (40) 的电池 (64) 供电的遥测仪 (60) 将无线电数据信号发送到包含可操作地连接到计算机 (62) 的警报系统的接收器 (66) 。此外，警报系统利用这种传感器自动通知人分析物水平在所需的预定参数之外，和/或自动注射药剂以抵消不利的分析物水平。

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Place of search		Date of completion of the search	Examiner
Munich		19 August 2005	Stricker, J-E
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