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(54) **Telemetric reader/charger device for medical sensor**

(57) A signal reading and charging device for use with an implantable telemetric medical sensor comprises a casing and a circuit within the casing comprising a logic control unit and a processing unit. The logic control unit sends a powering signal to the telemetric medical sensor for remotely powering the sensor. The logic control unit also receives a transmitted signal from the sensor. The processing unit is operatively connected to the control unit for converting the transmitted signal by the sensor into a measured parameter. An antenna coil is used for sending the powering signal and receiving the transmitted signal from the sensor. The device also includes a display for displaying the measured parameter.

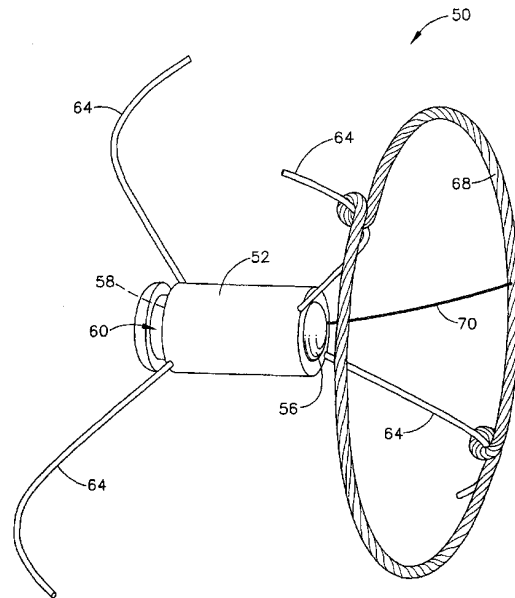


FIG. 1



European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 01 31 0537

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 48419 A (EGLISE DAVID) 30 September 1999 (1999-09-30) * page 2, line 4 - page 2, line 12 * * page 2, line 30 - page 3, line 2 * * page 4, line 24 - page 5, line 2 * * page 8, line 21 - page 8, line 30 * * page 10, line 13 - page 11, line 13 * * figures 1,6,7 *	1-15	A61B5/00
A	US 5 704 352 A (TREMBLAY GERALD F ET AL) 6 January 1998 (1998-01-06) * column 4, line 57 - column 4, line 58 * * column 6, line 29 - column 7, line 15 * * figure 1 *		
A	US 6 113 553 A (CHUBBUCK JOHN G) 5 September 2000 (2000-09-05) * column 4, line 1 - column 5, line 14 * * column 13, line 50 - column 24, line 24 * * figures 1,9-13 *		
A	US 5 833 603 A (KNAPP TERRY R ET AL) 10 November 1998 (1998-11-10) * column 3, line 57 - column 3, line 65 * * column 6, line 38 - column 7, line 16 *		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7) A61B G01N
Place of search THE HAGUE		Date of completion of the search 9 October 2002	Examiner Lomme1, A
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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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.

09-10-2002

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EPC FORM P0469

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	用于医疗传感器的遥测读取器/充电器设备		
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[标]申请(专利权)人(译)	生物感觉有限公司		
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代理机构(译)	MERCER, CHRISTOPHER PAUL		
优先权	09/739575 2000-12-18 US		
其他公开文献	EP1216654A2 EP1216654B1		
外部链接	Espacenet		

摘要(译)

一种与可植入遥测医疗传感器一起使用的信号读取和充电装置，包括壳体和壳体内部的电路，该电路包括逻辑控制单元和处理单元。逻辑控制单元向遥测医疗传感器发送供电信号，以远程为传感器供电。逻辑控制单元还接收来自传感器的发送信号。处理单元可操作地连接到控制单元，用于将传感器发送的信号转换成测量参数。天线线圈用于发送供电信号并从传感器接收发送的信号。该设备还包括用于显示测量参数的显示器。

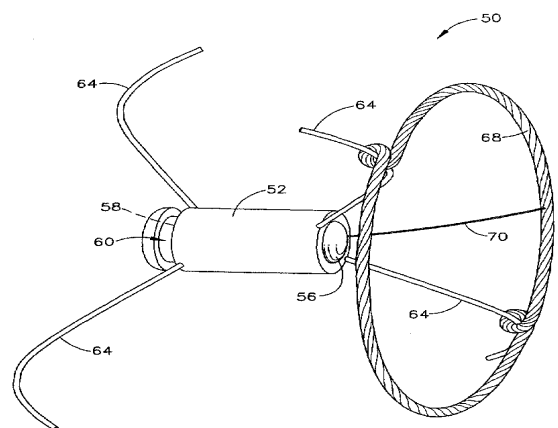


FIG. 1