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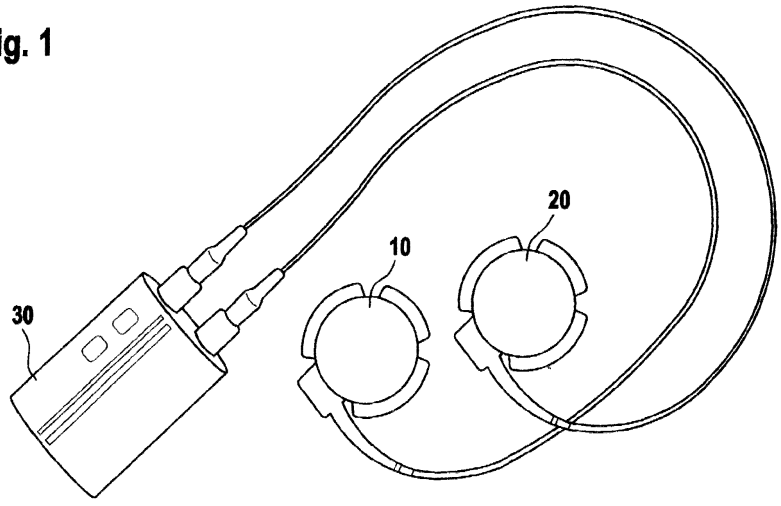
(54) Multi-parameter capability transmitter for wireless telemetry systems

(57) A transmitter 110 physically comprises a (local) sensor 120, normally located within a transmitter casing 130, for sensing a first parameter, a data transmission unit 140 for providing a wireless transmission to a receiver 150 of the telemetry system 100, and a coupling unit 170 for coupling one or more remote sensors 200i to the transmitter. While the transmitter is designed to transmit signals from the local sensor, it also allows to further or alternatively transmit signals from one or more remote sensors coupled to the coupling unit. This allows changing monitoring from one parameter to another parameter by simply coupling another remote sensor to the coupling unit.

A transmitter may also comprise a data transmission unit for providing a wireless transmission to a receiver of the telemetry system, and a coupling unit for coupling one or more sensors to the transmitter. The coupling unit provides an interface allowing any sensor to couple to the transmitter via a predefined protocol.

Fig. 1



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EUROPEAN SEARCH REPORT

Application Number
EP 00 10 3015

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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)
X	US 5 855 550 A (REUSS JAMES L ET AL) 5 January 1999 (1999-01-05) * column 2, line 56 - column 3, line 3 * * claims 1,5; figures 1,2 *	1-8	A61B5/00
X	WO 94 03105 A (MURRI VITTORIO) 17 February 1994 (1994-02-17) * page 7-8; claims 19,12; figures 1-3 *	1-8	
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A	US 5 862 803 A (VON CZETTRIZ GOTTHART ET AL) 26 January 1999 (1999-01-26) * column 19, line 7-11; claims 1,10; figure 1 *	1-8	

TECHNICAL FIELDS SEARCHED (Int.Cl.7)

A61B

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
BERLIN	29 July 2002	Bernas, Y

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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A : technological background
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D : document cited in the application
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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 00 10 3015

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

专利名称(译)	用于无线遥测系统的多参数能力发射器		
公开(公告)号	EP1060704A3	公开(公告)日	2002-09-18
申请号	EP2000103015	申请日	2000-02-15
[标]申请(专利权)人(译)	安捷伦科技有限公司		
申请(专利权)人(译)	AGILENT TECHNOLOGIES INC.，A DELAWARE CORPORATION		
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IPC分类号	A61B5/00 A61B5/0215 A61B5/024 A61B5/03 A61B8/08		
CPC分类号	A61B5/002 A61B5/0215 A61B5/02411 A61B5/033 A61B5/1455 A61B8/08 A61B8/4472 A61B8/488 Y10S128/903		
代理机构(译)	巴特，DANIEL		
优先权	1999111750 1999-06-18 EP		
其他公开文献	EP1060704A2		
外部链接	Espacenet		

摘要(译)

发射器110在物理上包括（本地）传感器120，其通常位于发射器壳体130内，用于感测第一参数，数据传输单元140，用于向遥测系统100的接收器150提供无线传输，以及耦合单元170用于将一个或多个远程传感器200i耦合到发射器。虽然发射器被设计为从本地传感器发射信号，但是它还允许进一步或替代地从耦合到耦合单元的一个或多个远程传感器发送信号。这允许通过简单地将另一个远程传感器耦合到耦合单元来将监视从一个参数改变到另一个参数。发射器还可以包括：数据传输单元，用于向遥测系统的接收器提供无线传输;以及耦合单元，用于将一个或多个传感器耦合到发射器。耦合单元提供允许任何传感器通过预定协议耦合到发射器的接口。