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(54) Method for temperature compensation in a combined pressure and temperature sensor

(57) A method for temperature compensation is disclosed which comprises the excitation of sensors in a guide wire sensor assembly so as to produce two distinguishable out signals. At least a component of at least one of the signals is representative of the cable resist-

ance and can be used for compensation purposes. There is also provided an apparatus suitable for such measurements having temperature compensation means. The compensation means comprises circuitry for selectively and independently registering a resistance value for the passive resistor on the chip.

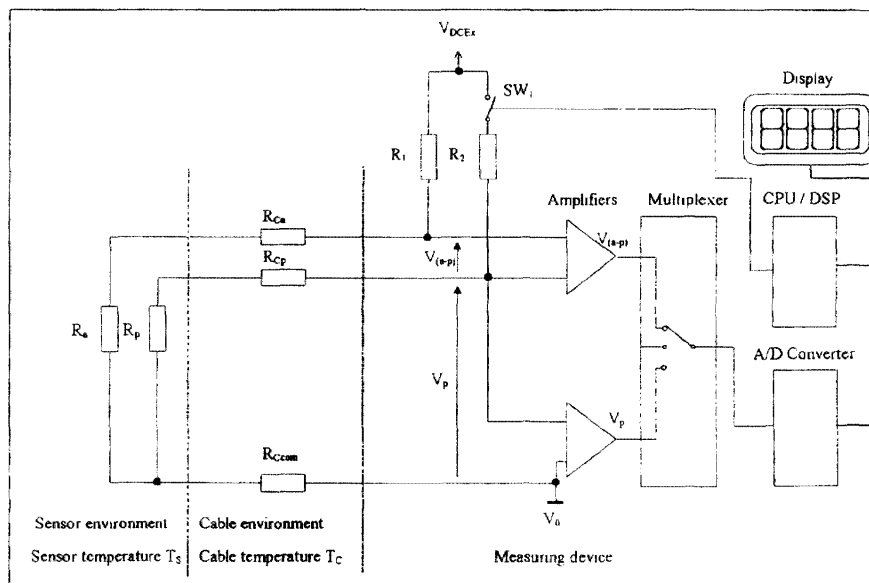


Fig. 4



European Patent Office

EUROPEAN SEARCH REPORT

Application Number  
EP 00 85 0088

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)
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A	US 4 554 927 A (FUSSELL THEODORE J) 26 November 1985 (1985-11-26) * column 4, line 22 - column 6, line 6; tables 1-3 *	1-4, 11-14	
A	KO W H ET AL: "DEVELOPMENT OF A MINIATURE PRESSURE TRANSDUCER FOR BIOMEDICAL APPLICATIONS" IEEE TRANSACTIONS ON ELECTRON DEVICES, IEEE INC. NEW YORK, US, vol. ED-26, no. 12, 1 December 1979 (1979-12-01), pages 1896-1905, XP002039572 ISSN: 0018-9383 * page 1903, left-hand column, line 13 - page 1905, left-hand column, line 7; tables 11,12 *	1-3, 11-13	
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			A61B
A	WO 90 06723 A (ENDOSONICS CORP) 28 June 1990 (1990-06-28) * page 3, line 27 - page 4, line 17 * * page 10, line 1 - page 12, line 5 * * page 18, line 30 - page 19, line 22 * * page 30, line 5 - page 36, line 33; tables 4,11 *	1-3, 11-13	
A	US 5 086 777 A (HISHII TOSHIYASU) 11 February 1992 (1992-02-11) * abstract * * column 5, line 25 - line 33; table 6 *	1,3,11	
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
BERLIN		30 May 2002	Weih, J
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	

EPO FORM 1503 03.82 (P04C01)

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

EP 00 85 0088

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.

30-05-2002

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专利名称(译)	组合压力和温度传感器中的温度补偿方法		
公开(公告)号	<a href="#">EP1055392A3</a>	公开(公告)日	2002-07-24
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申请(专利权)人(译)	RADI医疗系统AB		
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CPC分类号	A61B5/02156 A61B5/01 A61B5/6851 G01L9/065 G01L19/0627 G01L19/149		
代理机构(译)	LINDGREN 安德斯		
优先权	60/136401 1999-05-27 US 9901962 1999-05-27 SE		
其他公开文献	EP1055392B1 EP1055392A2		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

公开了一种用于温度补偿的方法，其包括激励导丝传感器组件中的传感器，以便产生两个可区分的输出信号。至少一个信号的至少一个分量代表电缆电阻并且可以用于补偿目的。还提供了一种适用于具有温度补偿装置的这种测量的装置。补偿装置包括用于有选择地和独立地记录芯片上无源电阻器的电阻值的电路。

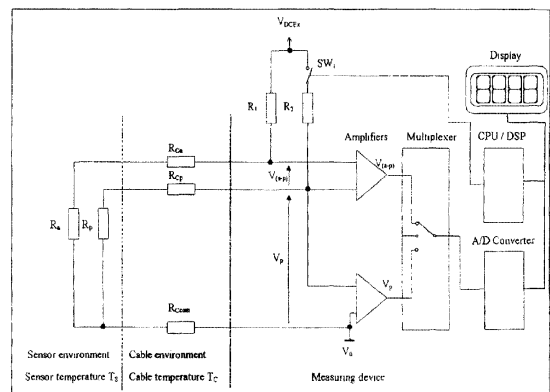


Fig. 4