



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
D,Y	US 6 298 267 B1 (ROSBOROUGH JOHN P [US] ET AL) 2 October 2001 (2001-10-02) * column 1, lines 41,45; figures 3,6-8 * * column 3, line 66 * * column 4, lines 10,65 * * column 5, lines 22,35 * * column 7 * * column 8, line 54 - column 9, line 35; claim 1 *	1-7, 15-23	INV. A61B5/00 A61N1/365
Y	US 5 443 073 A (WANG XIANG [US] ET AL) 22 August 1995 (1995-08-22) * column 18, lines 53,59; claims 1,4; figures 6,7 * * column 17, lines 33,38 * * column 19 * -----	1-7, 15-23	
			TECHNICAL FIELDS SEARCHED (IPC)
			A61B A61N
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 The Hague		Date of completion of the search 22 August 2007	Examiner Visser, Rogier
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			



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:

1-7, 15-23



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: 1-7,15-23

evaluation of energy

2. claims: 8-14,24-32

comparison to a pattern

3. claims: 33-36

use of a QRS complex and prompting a report

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

EP 02 78 6956

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.

22-08-2007

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6298267 B1	02-10-2001	AU 4976300 A	17-11-2000
		WO 0066222 A1	09-11-2000
		US 6263241 B1	17-07-2001
		US 6253108 B1	26-06-2001
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US 5443073 A	22-08-1995	AT 209873 T	15-12-2001
		CA 2118930 A1	18-03-1993
		DE 69232267 D1	17-01-2002
		DE 69232267 T2	24-10-2002
		EP 0606301 A1	20-07-1994
		JP 7503380 T	13-04-1995
		WO 9304627 A1	18-03-1993

专利名称(译)	使用患者阻抗的脉冲检测方法和装置		
公开(公告)号	EP1478429A4	公开(公告)日	2007-12-26
申请号	EP2002786956	申请日	2002-12-06
申请(专利权)人(译)	美敦力生理控制工业有限公司.		
当前申请(专利权)人(译)	美敦力生理控制工业有限公司.		
[标]发明人	STICKNEY RONALD E TAYLOR JAMES W OHEARN PATRICIA JAYNE CYNTHIA P LANK PAULA HAMPTON DAVID R		
发明人	STICKNEY, RONALD, E. TAYLOR, JAMES, W. O'HEARN, PATRICIA JAYNE, CYNTHIA, P. LANK, PAULA HAMPTON, DAVID, R.		
IPC分类号	A61B5/00 A61B5/0245 A61B5/0464 A61B5/08 A61N1/365 A61N1/37 A61N1/39		
CPC分类号	A61N1/3712 A61B5/024 A61B5/0464 A61B5/0809 A61B5/7239 A61B5/7246 A61B5/7278 A61N1/36521 A61N1/3925		
优先权	10/013941 2001-12-06 US		
其他公开文献	EP1478429A2		
外部链接	Espacenet		

摘要(译)

通过评估表示患者的经胸阻抗的测量的电信号的波动来确定患者中心脉搏的存在。分析从患者获得的阻抗信号数据的特征，该特征指示存在心脏脉冲。基于阻抗信号数据中的特征确定患者心脏脉搏是否存在。还可以与阻抗信号数据协调地获得心电图 (ECG) 数据。用于本发明的脉搏检测的各种应用包括检测PEA和促使PEA特异性治疗，促使除颤治疗和/或CPR，以及根据呼吸的检测提示救援呼吸。

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