



(11)

EP 1 195 134 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
22.10.2003 Bulletin 2003/43

(51) Int Cl.⁷: A61B 5/024

(43) Date of publication A2:
10.04.2002 Bulletin 2002/15

(21) Application number: 01660186.6

(22) Date of filing: 05.10.2001

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR
Designated Extension States:
AL LT LV MK RO SI

(72) Inventor: Nissilä, Seppo
90550 Oulu (FI)

(74) Representative: Antila, Harri Jukka Tapani
Kolster Oy Ab,
Iso Roobertinkatu 23
00120 Helsinki (FI)

(30) Priority: 06.10.2000 FI 20002210

(71) Applicant: Polar Electro Oy
90440 Kempele (FI)

(54) Wrist-worn device

(57) A wrist-worn device (100) comprising a display (104) for showing a heart rate parameter value, such as a heart rate measured from a person's body or a heart rate variable derived from the heart rate. The display (104) comprises at least two display areas (104A-104C) which display areas (104A-104C) the wrist-worn device (100) is arranged to employ to show that a heart rate

parameter momentarily belongs to a heart rate parameter value range corresponding to the display area (104A-104C) and which wrist-worn device (100) comprises at least one sliding means (112, 112B) for selecting a desired heart rate parameter value range by mechanically sliding the sliding means (112A, 112B) to cover at least one display area (104A-104C) at a time.

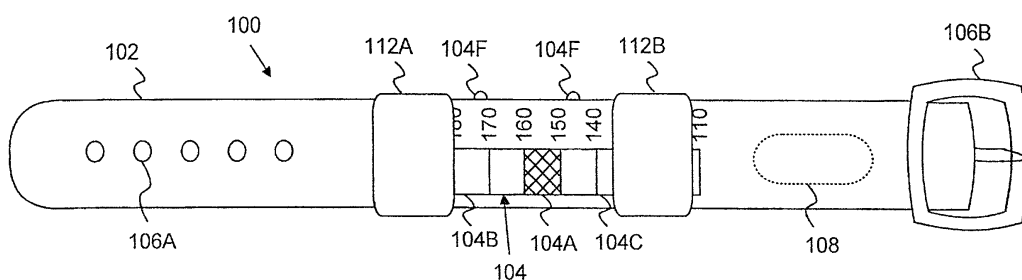


FIG. 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 01 66 0186

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)
A	PATENT ABSTRACTS OF JAPAN vol. 017, no. 685 (C-1142), 15 December 1993 (1993-12-15) & JP 05 228118 A (FUKUDA DENSHI CO LTD), 7 September 1993 (1993-09-07) * abstract * * paragraphs [0004],[0007],[0011]; figures 1-3 *	1	A61B5/024
A	CH 276 769 A (MORF ERNEST) 31 July 1951 (1951-07-31) * figures 1-4 *	1	
A	JP 58 195540 A (SANYO ELECTRIC CO) 14 November 1983 (1983-11-14) * figures 1-4 *	1	
A	US 4 843 720 A (KIM DANIEL S Y) 4 July 1989 (1989-07-04) * figures 1-7 *	1	
A	GB 2 383 416 A (WHITFIELD IAN RICHARD) 25 June 2003 (2003-06-25) * page 1; figures 2-4 *	1	TECHNICAL FIELDS SEARCHED (Int.Cl.7) A61B G06F G04B B43L G01B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 29 August 2003	Examiner Visser, R
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 01 66 0186

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.

29-08-2003

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
JP 05228118	A	07-09-1993	NONE		
CH 276769	A	31-07-1951	NONE		
JP 58195540	A	14-11-1983	NONE		
US 4843720	A	04-07-1989	JP	2060644 A	01-03-1990
GB 2383416	A	25-06-2003	NONE		

专利名称(译)	手腕佩戴的装置		
公开(公告)号	EP1195134A3	公开(公告)日	2003-10-22
申请号	EP2001660186	申请日	2001-10-05
[标]申请(专利权)人(译)	博能电子公司		
申请(专利权)人(译)	Polar Electro Oy公司		
当前申请(专利权)人(译)	Polar Electro Oy公司		
[标]发明人	NISSILA SEPPO		
发明人	NISSILÄ, SEPPO		
IPC分类号	A61B5/00 A61B5/024 A61B5/0245		
CPC分类号	A61B5/0245 A61B5/0006 A61B5/02438		
优先权	2000002210 2000-10-06 FI		
其他公开文献	EP1195134B1 EP1195134A2		
外部链接	Espacenet		

摘要(译)

一种腕戴式装置 (100) , 包括显示器 (104) , 用于显示心率参数值 , 例如从人体测量的心率或从心率导出的心率变量。显示器 (104) 包括至少两个显示区域 (104A-104C) , 显示区域 (104A-104C) , 腕戴式设备 (100) 用于显示心率参数暂时属于心率参数对应于显示区域 (104A-104C) 的值范围和哪个腕戴式装置 (100) 包括至少一个滑动装置 (112,112B) , 用于通过机械滑动滑动装置 (112A , 112A) 来选择所需的心率参数值范围。 112B) 一次覆盖至少一个显示区域 (104A-104C) 。

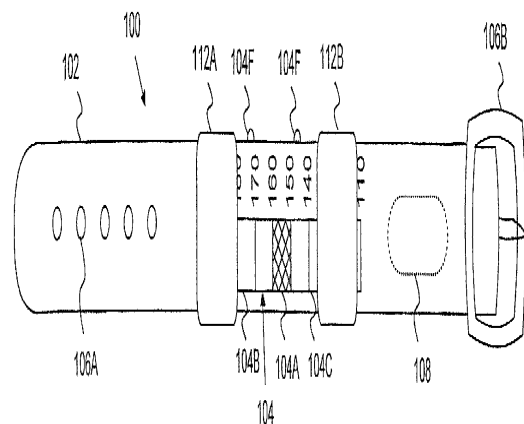


FIG. 1