



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**15.02.2017 Bulletin 2017/07**

(51) Int Cl.:  
**A61B 5/00 (2006.01)**      **A61B 5/021 (2006.01)**  
**A61B 5/022 (2006.01)**      **A61B 5/0295 (2006.01)**  
**A61B 5/053 (2006.01)**      **A61B 5/11 (2006.01)**  
**G01G 19/50 (2006.01)**

(43) Date of publication A2:  
**23.11.2016 Bulletin 2016/47**

(21) Application number: **16167797.6**

(22) Date of filing: **29.04.2016**

(84) Designated Contracting States:  
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR**  
 Designated Extension States:  
**BA ME**  
 Designated Validation States:  
**MA MD**

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(30) Priority: **30.04.2015 US 201514701054**

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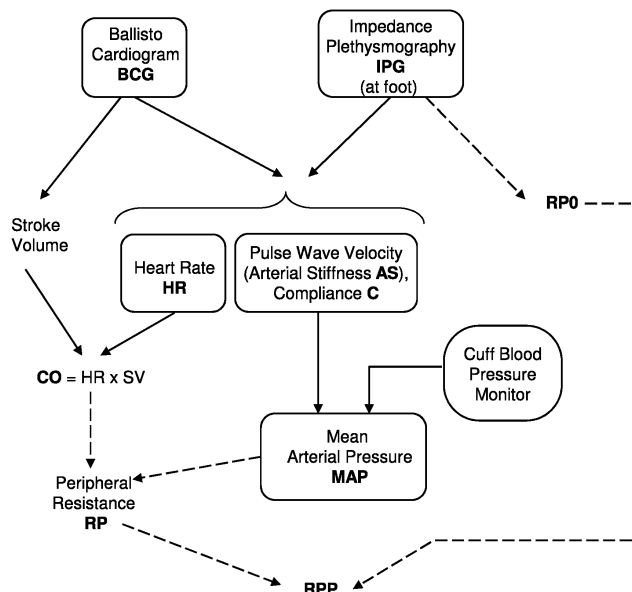
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(54) **WEIGHING SCALE WITH EXTENDED FUNCTIONS**

(57) Methods of determination of the blood pressure, determination of a heart stroke volume, determination of the state of stress or relaxation of a user, with use of a ballistocardiogram signal (21) reflecting the user's heart beats, with a measure of characteristic amplitude of ballistocardiogram signal, and measure for each couple of consecutive heart beats, beat time intervals DeltaHB(i)

between successive heart beats, extracted from a ballistocardiogram signal (21) or from an impedance plethysmography signal measured at the user's foot, leading to determination of a heart rate variability index, over at least six successive heart beats, , leading to determination of mean arterial pressure, leading to determination of state of relaxation or stress of the user.

**FIG. 11**







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**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing claims for which payment was due.

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Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

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No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

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**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:

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see sheet B

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All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

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As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

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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:

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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:

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1, 2

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The present supplementary 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 (Rule 164 (1) EPC).



LACK OF UNITY OF INVENTION  
SHEET B

Application Number  
EP 16 16 7797

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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:

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1. claims: 1, 2

Method to determine blood arterial pressure

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2. claims: 3-7

Method to determine stroke volume

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3. claims: 8-10

Method to determine stress/relaxation

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4. claims: 11-14

Method to determine fatigue

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

EP 16 16 7797

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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.

28-09-2016

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专利名称(译)	称重秤具有扩展功能		
公开(公告)号	<a href="#">EP3095380A3</a>	公开(公告)日	2017-02-15
申请号	EP2016167797	申请日	2016-04-29
[标]申请(专利权)人(译)	WITHINGS		
申请(专利权)人(译)	WITHINGS		
当前申请(专利权)人(译)	WITHINGS		
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IPC分类号	A61B5/00 A61B5/021 A61B5/022 A61B5/0295 A61B5/053 A61B5/11 G01G19/50		
CPC分类号	A61B5/02125 A61B5/022 A61B5/0295 A61B5/0535 A61B5/1102 A61B5/6887 A61B5/6892 G01G19/50 A61B5/02007 A61B5/02028 A61B5/0205 A61B5/6801		
代理机构(译)	柜PLASSERAUD		
优先权	14/701054 2015-04-30 US		
其他公开文献	EP3095380A2		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

使用反映用户心跳的心冲击描记图信号 ( 21 ) 测量血压, 确定心搏量, 确定应激状态或放松用户的方法, 用心搏图的特征幅度测量信号, 并测量每对连续心跳, 连续心跳之间的时间间隔DeltaHB ( i ), 从心冲击描记图信号 ( 21 ) 或用户脚测量的阻抗体积描记信号中提取, 导致确定心脏在至少六次连续心跳中, 速率变化指数导致确定平均动脉压, 从而确定使用者的放松或压力状态。

