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(54) **Apparatus for detecting human physiological and contextual information**

(57) An apparatus for detecting physiological or contextual information includes a flexible section(s), a housing removably attached thereto, one or more sensors and a processor. The apparatus may have adjustable operating parameters. An alternate apparatus measures heat flux and includes a housing, a known resistivity base member, a processing unit and two temperature measuring devices, one in thermal communication with the body and the other in thermal communication with the

ambient environment. Another alternate apparatus includes a housing having an adhesive on a surface thereof for attaching the housing to the body. A further alternate apparatus includes a housing having an inner surface having perpendicular concave and convex shapes. An apparatus for detecting heart parameters includes an acoustic-based non-ECG heart parameter sensor and a filtering sensor(s) for generating a filtering signal related to the non-heart related motion of the body.

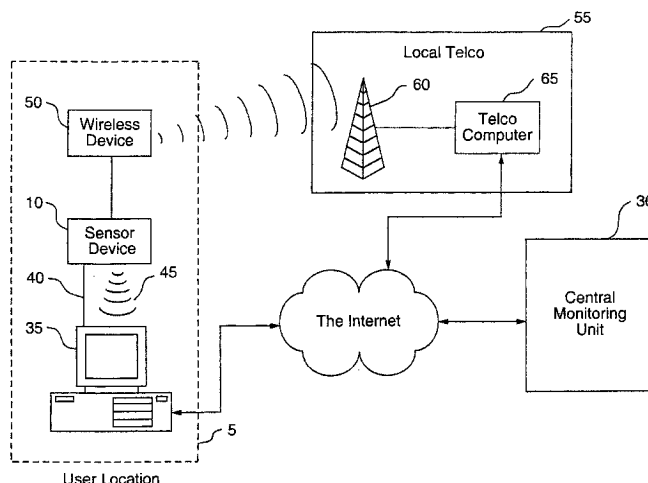


FIG. 1



EUROPEAN SEARCH REPORT

Application Number
EP 12 16 1108

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			TECHNICAL FIELDS SEARCHED (IPC)
			A61B G04B A44C
The present search report has been drawn up for all claims			
Place of search Berlin		Date of completion of the search 15 August 2012	Examiner Trachterna, Morten
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			

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EPO FORM 1503 03 82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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专利名称(译)	用于检测人体生理和上下文信息的装置		
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[标]申请(专利权)人(译)	人体媒介公司		
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当前申请(专利权)人(译)	BODYMEDIA INC.		
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IPC分类号	A61B5/04 A61B5/00 A61B5/0205 A61B5/024 A61B5/053		
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审查员(译)	TRACHTERNA , MORTEN		
优先权	10/227575 2002-08-22 US		
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摘要(译)

一种用于检测生理或上下文信息的装置包括柔性部分，可拆卸地连接到其上的壳体，一个或多个传感器和处理器。该装置可具有可调节的操作参数。一种替代装置测量热通量并包括壳体，已知的电阻率基座构件，处理单元和两个温度测量装置，一个与主体热连通，另一个与周围环境热连通。另一种替代装置包括壳体，壳体在其表面上具有粘合剂，用于将壳体连接到主体上。另一种替代装置包括壳体，壳体具有内表面，该内表面具有垂直的凹凸形状。一种用于检测心脏参数的装置包括基于声学的非ECG心脏参数传感器和用于产生与身体的非心脏相关运动相关的过滤信号的过滤传感器。

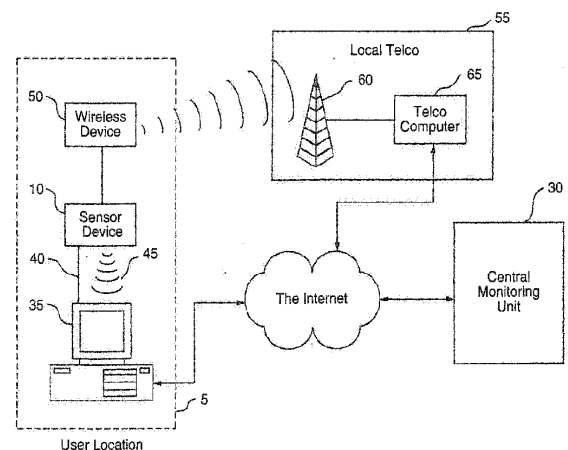


FIG. 1