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(54) **Non-Invasive Temperature Monitoring Device**

(57) A monitoring system comprises a module having at least one sensor and preferably skin and ambient temperature sensors within a housing. The device may be durable or disposable. The housing may be provided with certain surface features and shapes to facilitate mounting on and interface with the skin of the wearer for more accurate temperature measurement. A receiver may be provided to obtain and display data from the module. The module may also display the output data. The output data comprises both detected and derived data relating to physiological and contextual parameters of the wearer and may be transmitted directly to a local recipient or remotely over a communications network. The system is capable of deriving and predicting the occurrence of a number of physiological and conditional states and events and reporting the same as output data.

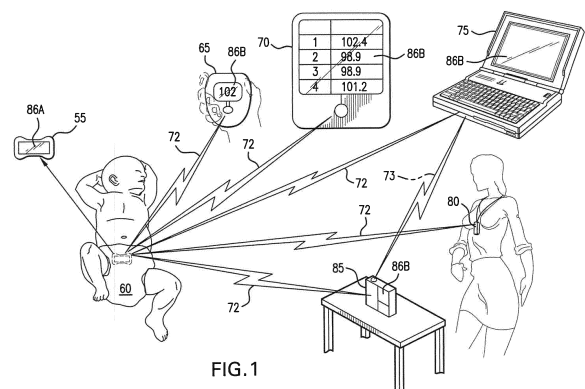


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 12 18 4739

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Place of search Munich		Date of completion of the search 15 May 2013	Examiner Chopinaud, Marjorie
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ANNEX TO THE EUROPEAN SEARCH REPORT
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[标]申请(专利权)人(译)	人体媒介公司		
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IPC分类号	A61B5/01 A61B5/00 A61B5/0205 A61B5/0402 A61B5/053 A61B10/00 C04B35/52 C04B35/56 G01K1/02 G01K5/22 G01K13/00		
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摘要(译)

监测系统包括模块，该模块具有至少一个传感器，并且优选地在壳体内具有皮肤和环境温度传感器。该装置可以是耐用的或一次性的。壳体可以设置有某些表面特征和形状，以便于安装在佩戴者的皮肤上并与其接触，以进行更精确的温度测量。可以提供接收器以从模块获得和显示数据。模块还可以显示输出数据。输出数据包括与佩戴者的生理和上下文参数有关的检测和导出数据，并且可以直接发送到本地接收者或通过通信网络远程发送。该系统能够导出和预测许多生理和条件状态和事件的发生，并将其报告为输出数据。

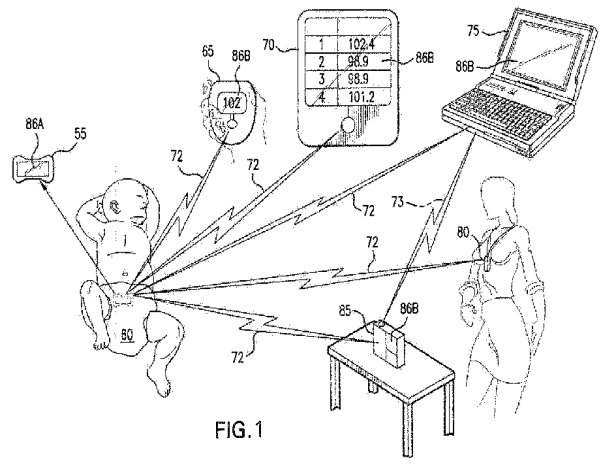


FIG. 1