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(54) **DEVICE, SYSTEM AND METHOD FOR DETECTION AND PROCESSING OF HEARTBEAT SIGNALS**

VORRICHTUNG, SYSTEM UND VERFAHREN ZUR ERKENNUNG UND VERARBEITUNG VON HERZSCHLAGSIGNALLEN

DISPOSITIF, SYSTÈME ET PROCÉDÉ DE DÉTECTION ET DE TRAITEMENT DE SIGNAUX DE RYTHME CARDIAQUE

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(56) References cited:
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EP 2 948 043 B8

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摘要(译)

心跳检测装置包括至少一个要放置在人的皮肤上的光学反射传感器。传感器单元配备有一个光发射器和一个相应的光接收器，该光接收器将皮肤反射的光转换为电信号，并包括与发射器，接收器或两个接收器相连的电可调光学滤波器，以便进行选择。在操作时，需要一个期望的光波长，并对由此获得的信号进行处理，以增强心跳信号。还描述了具有该设备的系统和检测方法。

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EP 2 948 043 B8