

Title (en)

PORTABLE DEVICE WITH MULTIPLE INTEGRATED SENSORS FOR VITAL SIGNS SCANNING

Title (de)

TRAGBARE VORRICHTUNG MIT MEHREREN INTEGRIERTEN SENSOREN FÜR DAS SCANNEN VON VITALZEICHEN

Title (fr)

DISPOSITIF PORTABLE COMPRENANT DE MULTIPLES CAPTEURS INTÉGRÉS POUR L'ANALYSE DES SIGNES VITAUX

Publication

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Application

EP 15789393 A 20150505

Priority

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Abstract (en)

[origin: WO2015171667A1] In one embodiment of the invention, a portable device with multiple integrated sensors for vital signs scanning and method of using said device is disclosed. The portable personal scanning device includes multiple sensors such as a plurality of ECG, thermometer, PPG, accelerometer, and microphone for determining a user's vital signs. The method includes concurrently scanning with one or more sensors, validating and enhancing the results of each sensor scan with other concurrent sensor scan and patient interaction models, processing the sensor scans separately or in combination to extract user's vital signs, validating the vital signs extracted by comparison to physiological models, and fusing the similar vital signs extracted from more than one process according to a determination of the measure of quality of the process that produced the vital sign.

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