

Title (en)

SINGLE WEARABLE DEVICE SYSTEM FOR MEASURING BLOOD PRESSURE

Title (de)

EINZELNES WEARABLE-VORRICHTUNGSSYSTEM ZUR BLUTDRUCKMESSUNG

Title (fr)

SYSTÈME DE DISPOSITIF PORTABLE UNIQUE POUR MESURER LA PRESSION ARTÉRIELLE

Publication

**EP 3484354 A1 20190522 (EN)**

Application

**EP 17828364 A 20170712**

Priority

- US 201662361330 P 20160712
- US 201662414892 P 20161031
- US 2017041670 W 20170712

Abstract (en)

[origin: WO2018013656A1] A system for sensing blood pressure in a user is disclosed. The system includes a wearable sensor device attached to a location on the body remote from the heart. The sensor device can include an accelerometer (or acoustic) sensor, an ECG sensor and/or a PPG sensor. A controller receives SCG, ECG and PPG waveforms from the sensors to determine a pulse arrival time, pulse transit time and pre-ejection period. The controller is operative to determine the blood pressure based on the determined pulse arrival time and the distance from the sensor device to the heart.

IPC 8 full level

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CPC (source: EP US)

**A61B 5/02125** (2013.01 - EP); **A61B 5/33** (2021.01 - US); **A61B 5/6833** (2013.01 - EP); **A61B 5/02416** (2013.01 - EP); **A61B 5/1102** (2013.01 - EP); **A61B 5/318** (2021.01 - EP); **A61B 5/6824** (2013.01 - EP)

Designated contracting state (EPC)

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BA ME

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