

Title (en)

CONTINUOUS NON-INVASIVE BLOOD PRESSURE MEASUREMENT DEVICE

Title (de)

VORRICHTUNG ZUR KONTINUIERLICHEN NICHTINVASIVEN BLUTDRUCKMESSUNG

Title (fr)

DISPOSITIF DE MESURE CONTINUE ET NON INVASIVE DE LA TENSION ARTÉRIELLE

Publication

EP 4076165 A1 20221026 (EN)

Application

EP 20829138 A 20201209

Priority

- US 201962948458 P 20191216
- US 2020063900 W 20201209

Abstract (en)

[origin: WO2021126615A1] Disclosed is a blood pressure measurement device to measure a patient's blood pressure from a patient's arm. The blood pressure measurement device may include an external brachial arm cuff mountable around the patient's arm to determine discrete absolute blood pressure (BP) measurements from the patient's brachial artery, and a sensor mountable near the external brachial arm cuff to measure a continuous pulsatility waveform from the patient's brachial artery. The discrete absolute blood pressure measurements are combined with the measured continuous pulsatility waveform for pulse wave analysis (PWA) beat-to-beat blood pressure (BP) tracking at the brachial location to provide continuous beat-to-beat non-invasive blood pressure monitoring.

IPC 8 full level

A61B 5/021 (2006.01); **A61B 5/00** (2006.01); **A61B 5/022** (2006.01)

CPC (source: CN EP)

A61B 5/02108 (2013.01 - CN EP); **A61B 5/02225** (2013.01 - CN EP); **A61B 5/6824** (2013.01 - CN EP); **A61B 5/6831** (2013.01 - CN EP); **A61B 5/7278** (2013.01 - CN EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2021126615 A1 20210624; CN 114615929 A 20220610; EP 4076165 A1 20221026

DOCDB simple family (application)

US 2020063900 W 20201209; CN 202080074565 A 20201209; EP 20829138 A 20201209