

Title (en)

SYSTEM AND METHOD OF A BIOSENSOR FOR DETECTION OF VASODILATION

Title (de)

SYSTEM UND VERFAHREN EINES BIOSENSORS ZUR DETEKTION VON VASODILATATION

Title (fr)

SYSTÈME ET PROCÉDÉ D'UN BIOCAPTEUR POUR LA DÉTECTION D'UNE VASODILATATION

Publication

EP 3796957 A4 20220420 (EN)

Application

EP 19808491 A 20190517

Priority

- US 201862675151 P 20180522
- US 2019032942 W 20190517

Abstract (en)

[origin: WO2019226493A1] An optical circuit detects PPG signals reflected from skin tissue at one or more different wavelengths. A processing circuit integrated in the biosensor or in communication with the biosensor processes the PPG signals to obtain a level of vasodilation or a period of vasodilation. The processing circuit may determine a circulation level using a phase offset between the PPG signals and/or a correlation value between the PPG signals.

IPC 8 full level

A61B 5/1455 (2006.01); **A61B 5/024** (2006.01); **A61B 5/0295** (2006.01)

CPC (source: EP)

A61B 5/02416 (2013.01); **A61B 5/0295** (2013.01); **A61B 5/14552** (2013.01); **A61B 5/7214** (2013.01)

Citation (search report)

- [X] US 2016367154 A1 20161222 - GLADSHTEIN REUVEN [IL], et al
- [A] US 2014194342 A1 20140710 - ZHANG HAO [US], et al
- [E] WO 2019177700 A2 20190919 - SANMINA CORP [US]
- See references of WO 2019226493A1

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

DOCDB simple family (publication)

WO 2019226493 A1 20191128; EP 3796957 A1 20210331; EP 3796957 A4 20220420

DOCDB simple family (application)

US 2019032942 W 20190517; EP 19808491 A 20190517