

Title (en)

SYSTEM AND METHOD FOR OBTAINING HEALTH DATA USING A NEURAL NETWORK

Title (de)

SYSTEM UND VERFAHREN ZUR GEWINNUNG VON GESUNDHEITSDATEN UNTER VERWENDUNG EINES NEURONALEN NETZES

Title (fr)

SYSTÈME ET MÉTHODE D'OBTENTION DE DONNÉES DE SANTÉ À L'AIDE D'UN RÉSEAU NEURONAL

Publication

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Application

EP 19754737 A 20190219

Priority

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- US 2019018639 W 20190219

Abstract (en)

[origin: WO2019161411A1] A photoplethysmography (PPG) circuit or non-contact camera obtains PPG signals at a plurality of wavelengths. A signal processing module obtains at least a first spectral response around a first wavelength and a second spectral response around a second wavelength. The signal processing device generates PPG input data using the PPG signals, wherein the PPG input data includes one or more parameters obtained from each of the first spectral response and the second spectral response. A neural network processing device generates an input vector including the PPG input data and determines an output vector including health data, wherein the health data includes for example, an oxygen saturation level, a glucose level or a blood alcohol level.

IPC 8 full level

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Citation (search report)

- [I] US 2013197328 A1 20130801 - DIAB MOHAMED K [US], et al
- [A] WO 0117421 A1 20010315 - OPTOQ AB [SE]
- See references of WO 2019161411A1

Designated contracting state (EPC)

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