

Title (en)

CARDIOVASCULAR SIGNAL ACQUISITION, FUSION, AND NOISE MITIGATION

Title (de)

ERFASSUNG, FUSION UND RAUSCHMINDERUNG VON KARDIOVASKULÄREN SIGNALLEN

Title (fr)

ACQUISITION, FUSION, ET ATTÉNUATION DE BRUIT DE SIGNAUX CARDIOVASCULAIRES

Publication

EP 3866683 A1 20210825 (EN)

Application

EP 19873432 A 20191014

Priority

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- US 2019056160 W 20191014

Abstract (en)

[origin: WO2020081471A1] A device including an array of electrodes generates one or more electrical signals from a user, extracts one or more noise signals, and generates one or more de-noised electrical signals upon processing the electrical signal(s) with the noise signal(s). The array of electrodes is coupled to a surface of the device, where the device also includes force sensors in mechanical communication with the surface for detecting user weight and other forces. The device can be configured to generate electrical signals from different subportions of the array of electrodes and to extract noise signals from different subportions of the array of electrodes, where the subportion(s) for electrical signal generation may or may not overlap with the subportion(s) of electrodes for noise signal extraction.

IPC 8 full level

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