

Title (en)

WIRELESS SYSTEM FOR MEDICAL DEVICE TRIGGERING

Title (de)

DRAHTLOSES SYSTEM ZUR AUSLÖSUNG EINER MEDIZINISCHEN VORRICHTUNG

Title (fr)

SYSTÈME SANS FIL PERMETTANT DE DÉCLENCHER UN DISPOSITIF MÉDICAL

Publication

**EP 4236786 A2 20230906 (EN)**

Application

**EP 21805863 A 20211028**

Priority

- US 202063106932 P 20201029
- EP 2021079933 W 20211028

Abstract (en)

[origin: WO2022090369A2] A ventilator communication system includes an electromyography ("EMG") device including EMG electrodes configured to generate electrical signals based on muscular respiratory activity of the patient, and a ventilator. The EMG device is configured to generate a patient respiratory effort waveform based on the electrical signals and analyze the patient respiratory effort waveform. The EMG device includes a first near-field magnetic induction ("NFMI") transceiver configured to generate at least one transmission signal derived from the analysis of the patient respiratory effort waveform and transmit the at least one transmission signal on at least one NFMI communication channel. The ventilator is configured to provide breathing assistance to the patient, wherein the ventilator includes a second NFMI transceiver configured to receive the at least one transmission signal from the EMG device and a controller configured to adjust the breathing assistance provided to the patient based on the at least one transmission signal.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2022090369A2

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

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