

Title (en)
PATIENT MONITORING DEVICE AND ARRANGEMENT

Title (de)
PATIENTENÜBERWACHUNGSVORRICHTUNG UND -ANORDNUNG

Title (fr)
DISPOSITIF ET AGENCEMENT DE SURVEILLANCE DE PATIENTS

Publication
EP 3667633 A1 20200617 (EN)

Application
EP 18211668 A 20181211

Priority
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Abstract (en)
The present invention concerns a patient monitoring device (1) as well as a patient monitoring arrangement. The inventive patient monitoring device (1) comprises attachment means (3) to mount the device (1) to a surface in a vibration transferring way, sensor elements (10) for continuously detecting measurements reflecting the surroundings of the patient monitoring device (1) and a communication module (20) to transmit the measured values to a central evaluation unit (30). The sensor elements (10) comprise an accelerometer (11), a noise detector (12), a far infrared sensor element (13), a CO₂ sensor element (15), and a light sensor element (16), wherein all sensor elements (10) are suitably arranged relative to the attachment means (3) to detect their respective measurements. The inventive patient monitoring arrangement further comprises a central evaluation unit (30) connected to patient monitoring device(s) (1) for transmitting their respective measured values, which is configured to warehouse the received continuously measured values; - determine and/or update a typical variation in the measurements during a day; - determine discrepancies in the measured values from the typical variations during a day; and - put out an alert in case a severe discrepancy is determined.

IPC 8 full level
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Citation (search report)

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Designated contracting state (EPC)
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EP 3667633 A1 20200617; **EP 3667633 B1 20230913**; EP 3895140 A1 20211020; ES 2965213 T3 20240411; HR P20231577 T1 20240315; HU E064348 T2 20240328; PL 3667633 T3 20240304; WO 2020119977 A1 20200618

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