

Title (en)  
PATIENT MONITORING DEVICE AND ARRANGEMENT

Title (de)  
PATIENTENÜBERWACHUNGSVORRICHTUNG UND -ANORDNUNG

Title (fr)  
DISPOSITIF ET AGENCEMENT DE SURVEILLANCE DE PATIENTS

Publication  
**EP 3667633 B1 20230913 (EN)**

Application  
**EP 18211668 A 20181211**

Priority  
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Abstract (en)  
[origin: EP3667633A1] 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 CO<sub>2</sub> 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.

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