

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  
EP 18211668 A 20181211

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 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.

IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)

- [I] US 2017365149 A1 20171221 - TEN KATE WARNER RUDOLPH THEOPHILE [NL]
- [A] DE 102008051090 A1 20100422 - RAUTENBERG SWETLANA [DE]
- [A] US 2006017558 A1 20060126 - ALBERT DAVID E [US], et al
- [A] US 6002994 A 19991214 - LANE STEPHEN S [US], et al

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