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

EP 18211668 A 20181211

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 CO₂sensor 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

G08B 21/04 (2006.01)

CPC (source: EP)

G08B 19/00 (2013.01); **G08B 21/0423** (2013.01); **G08B 21/043** (2013.01); **G08B 21/0461** (2013.01); **G08B 21/0469** (2013.01); **G08B 21/0492** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

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

DOCDB simple family (application)

EP 18211668 A 20181211; EP 19779506 A 20191004; EP 2019076893 W 20191004; ES 18211668 T 20181211; HR P20231577 T 20181211; HU E18211668 A 20181211; PL 18211668 T 20181211