

Title (en)

METHOD AND DEVICE FOR MONITORING VITAL FUNCTIONS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ÜBERWACHUNG VON VITALFUNKTIONEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE SURVEILLANCE DE FONCTIONS VITALES

Publication

EP 2967374 A1 20160120 (DE)

Application

EP 14707772 A 20140304

Priority

- EP 13158577 A 20130311
- EP 2014054118 W 20140304
- EP 14707772 A 20140304

Abstract (en)

[origin: EP2777491A1] The method involves irradiating broadband light having wavelength in the spectral range of 400nm-850nm into tissue of a living being. The spectrum of the reflected light from tissue is recorded and analyzed. The analysis process is carried out to determine the first parameter based on first spectral region within the spectrum and determine second parameter based on second spectral region which is greater than first spectrum and first spectral range. The first parameter is compared with the second parameter, so as to determine one vital parameter on basis of comparison. An independent claim is included for the device for monitoring vital parameter of patient.

IPC 8 full level

A61B 5/024 (2006.01); **A61B 5/1455** (2006.01)

CPC (source: EP US)

A61B 5/0075 (2013.01 - EP US); **A61B 5/02438** (2013.01 - EP US); **A61B 5/14551** (2013.01 - EP US); **A61B 5/6816** (2013.01 - EP US); **A61B 5/6826** (2013.01 - EP US); **A61B 5/7214** (2013.01 - EP US); **A61B 5/6814** (2013.01 - EP US)

Citation (search report)

See references of WO 2014139830A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2777491 A1 20140917; EP 2967374 A1 20160120; US 2016022147 A1 20160128; WO 2014139830 A1 20140918

DOCDB simple family (application)

EP 13158577 A 20130311; EP 14707772 A 20140304; EP 2014054118 W 20140304; US 201414774901 A 20140304