

Title (en)

METHOD AND SYSTEM FOR DETERMINING AN ABP SIGNAL, AND COMPUTER PROGRAM PRODUCT

Title (de)

VERFAHREN UND SYSTEM ZUR BESTIMMUNG EINES ABP-SIGNALS UND COMPUTERPROGRAMMPRODUKT

Title (fr)

PROCÉDÉ ET SYSTÈME POUR DÉTERMINER UN SIGNAL ABP ET PRODUIT-PROGRAMME INFORMATIQUE

Publication

**EP 4340714 A1 20240327 (DE)**

Application

**EP 22731105 A 20220520**

Priority

- DE 102021205185 A 20210520
- EP 2022063773 W 20220520

Abstract (en)

[origin: WO2022243535A1] The invention relates to a method and a system for determining an ABP signal, at least one signal induced by cardiac motion being detected, wherein the at least one detected signal induced by cardiac motion is transformed into at least one ABP signal (1), the transformation being carried out by means of a model that has been generated by machine learning, wherein the signal induced by cardiac motion forms the input variable and the ABP signal forms the output variable of the transformation. The invention also relates to a computer program product.

IPC 8 full level

**A61B 5/021** (2006.01); **A61B 5/00** (2006.01); **A61B 5/11** (2006.01)

CPC (source: EP KR US)

**A61B 5/021** (2013.01 - US); **A61B 5/02108** (2013.01 - KR); **A61B 5/02116** (2013.01 - EP KR); **A61B 5/02416** (2013.01 - KR); **A61B 5/1102** (2013.01 - EP KR US); **A61B 5/4561** (2013.01 - EP); **A61B 5/7203** (2013.01 - EP KR); **A61B 5/7221** (2013.01 - EP KR US); **A61B 5/7257** (2013.01 - US); **A61B 5/7264** (2013.01 - US); **A61B 5/7267** (2013.01 - EP KR US); **A61B 5/1107** (2013.01 - EP); **A61B 5/6823** (2013.01 - EP KR); **A61B 5/6831** (2013.01 - EP KR); **A61B 5/686** (2013.01 - EP KR); **A61B 5/6892** (2013.01 - EP KR); **A61B 5/6893** (2013.01 - EP KR); **A61B 5/6898** (2013.01 - EP KR); **A61B 5/742** (2013.01 - EP US); **A61B 2503/045** (2013.01 - EP); **A61B 2503/40** (2013.01 - EP US)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**DE 102021205185 B3 20221103**; EP 4340714 A1 20240327; JP 2024517992 A 20240423; KR 20240010725 A 20240124; US 2024081662 A1 20240314; WO 2022243535 A1 20221124

DOCDB simple family (application)

**DE 102021205185 A 20210520**; EP 2022063773 W 20220520; EP 22731105 A 20220520; JP 2023571354 A 20220520; KR 20237043961 A 20220520; US 202318513648 A 20231120