Title (en)

EQUIPMENT FOR MONITORING BLOOD FLOW AND RESPIRATORY FLOW

Title (de)

VORRICHTUNG ZUR ÜBERWACHUNG DES BLUTFLUSSES UND DES ATEMFLUSSES

Title (fr)

EQUIPEMENT DE SURVEILLANCE DES FLUX SANGUINS ET RESPIRATOIRES

Publication

EP 3558106 A1 20191030 (FR)

Application

EP 17803903 A 20171121

Priority

- BE 201605953 A 20161221
- EP 2017079918 W 20171121

Abstract (en)

[origin: WO2018114180A1] The invention of the present application relates to non-invasive equipment for monitoring blood flow and/or respiratory cycles of a human or animal body, comprising at least one segment of conductive elastomer of variable resistance, which is arranged to extend about the circumference of the body element and is sensitive to the length of the circumference of said element, means for capturing said length by virtue of said variable resistance and supplying a signal representative of said length, and means for processing said signal, having means of extracting the parameters of the blood flow and/or of the respiratory cycles that are to be monitored.

IPC 8 full level

A61B 5/0295 (2006.01); **A61B 5/00** (2006.01); **A61B 5/08** (2006.01); **A61B 5/107** (2006.01); **A61B 5/113** (2006.01)

CPC (source: EP US)

A61B 5/0002 (2013.01 - US); **A61B 5/0205** (2013.01 - US); **A61B 5/0295** (2013.01 - EP US); **A61B 5/0816** (2013.01 - EP); **A61B 5/113** (2013.01 - EP); **A61B 5/6831** (2013.01 - EP); **A61B 5/6833** (2013.01 - US); A61B 5/0816 (2013.01 - US); A61B 5/1072 (2013.01 - EP); A61B 2505/05 (2013.01 - EP); A61B 2562/0261 (2013.01 - EP US)

Cited by

US2022364843A1; US11644300B2

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)

BE 1024423 B1 20180213; CN 110650680 A 20200103; CN 110650680 B 20231107; EP 3558106 A1 20191030; JP 2020513892 A 20200521; JP 2022120192 A 20220817; JP 7093777 B2 20220630; JP 7482944 B2 20240514; US 11426083 B2 20220830; US 2020093378 A1 20200326; WO 2018114180 A1 20180628

DOCDB simple family (application)

BE 201605953 A 20161221; CN 201780078235 A 20171121; EP 17803903 A 20171121; EP 2017079918 W 20171121; JP 2019533447 A 20171121; JP 2022098804 A 20220620; US 201716471823 A 20171121