

Title (en)
APPARATUS AND METHOD FOR EXTRACTING CARDIOVASCULAR CHARACTERISTIC

Title (de)
VORRICHTUNG UND VERFAHREN ZUR EXTRAKTION VON KARDIOVASKULÄRER EIGENSCHAFT

Title (fr)
APPAREIL ET PROCÉDÉ D'EXTRACTION DE CARACTÉRISTIQUE CARDIOVASCULAIRE

Publication
EP 3288447 A4 20181031 (EN)

Application
EP 17792912 A 20170502

Priority
• US 201662331062 P 20160503
• KR 20160149004 A 20161109
• KR 2017004695 W 20170502

Abstract (en)
[origin: KR20170124943A] Disclosed is an apparatus for extracting cardiovascular characteristics without having an extra sensor in a strap of a wrist device. The apparatus for extracting cardiovascular characteristics according to an embodiment of the present invention can comprise: a first sensor part measuring a vibration signal generated by a pulse wave of a subject to be tested; a second sensor part measuring a pulse wave signal of the subject to be tested; a processor performing operations related to cardiovascular characteristics based on the vibration signal and the pulse wave signal; and a main body on which the first sensor part, the second sensor part, and the processing part are mounted.

IPC 8 full level
A61B 5/02 (2006.01); **A61B 5/00** (2006.01); **A61B 5/021** (2006.01); **A61B 5/024** (2006.01); **A61B 5/11** (2006.01)

CPC (source: EP KR US)
A61B 5/0004 (2013.01 - US); **A61B 5/0075** (2013.01 - KR); **A61B 5/02007** (2013.01 - EP KR US); **A61B 5/02108** (2013.01 - KR); **A61B 5/02116** (2013.01 - US); **A61B 5/02125** (2013.01 - EP US); **A61B 5/02255** (2013.01 - US); **A61B 5/02416** (2013.01 - EP KR); **A61B 5/02438** (2013.01 - EP); **A61B 5/1102** (2013.01 - EP); **A61B 5/165** (2013.01 - US); **A61B 5/681** (2013.01 - EP KR US); **A61B 5/6824** (2013.01 - EP KR); **A61B 5/6831** (2013.01 - KR); **A61B 5/6843** (2013.01 - EP US); **A61B 5/7225** (2013.01 - KR); **A61B 5/7239** (2013.01 - EP); **A61B 5/7278** (2013.01 - US); **A61B 5/742** (2013.01 - US); **A61B 5/02233** (2013.01 - EP US); **A61B 7/045** (2013.01 - EP US); **A61B 2562/0261** (2013.01 - KR)

Citation (search report)
• [X1] WO 2015159692 A1 20151022 - MURATA MANUFACTURING CO [JP] & US 2017027459 A1 20170202 - SHIMUTA TORU [JP]
• [X1] US 2015109124 A1 20150423 - HE DAVID DA [US], et al
• [X1] WO 2009125349 A2 20091015 - CARDIOSIGNS LTD [IL], et al
• See references of WO 2017192010A1

Cited by
CN112739255A; EP3801228A4; US11969236B2

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)
CN 108135501 A 20180608; EP 3288447 A1 20180307; EP 3288447 A4 20181031; JP 2019516416 A 20190620; KR 20170124943 A 20171113

DOCDB simple family (application)
CN 201780003532 A 20170502; EP 17792912 A 20170502; JP 2017568332 A 20170502; KR 20160149004 A 20161109