

Title (en)
RESPIRATION MONITORING SYSTEM AND METHOD

Title (de)
SYSTEM UND VERFAHREN ZUR ÜBERWACHUNG DER ATMUNG

Title (fr)
SYSTÈME ET PROCÉDÉ DE SURVEILLANCE DE LA RESPIRATION

Publication
EP 3445237 A4 20200101 (EN)

Application
EP 16899626 A 20160420

Priority
US 2016028347 W 20160420

Abstract (en)
[origin: WO2017184129A1] A wearable respiration monitoring system and associated method that is configured to (i) determine three dimensional displacement of the spine of a subject with respect to the axial displacement of the subject's chest wall, (ii) process the three dimensional anatomical data, (iii) determine at least one respiration parameter associated with the monitored subject as a function of the three dimensional anatomical data, and (iv) generate at least one respiration parameter signal representing the respiration parameter.

IPC 8 full level
A61B 5/05 (2006.01); **A61B 5/00** (2006.01); **A61B 5/0205** (2006.01); **A61B 5/08** (2006.01); **A61B 5/113** (2006.01)

CPC (source: EP)
A61B 5/0806 (2013.01); **A61B 5/091** (2013.01); **A61B 5/1135** (2013.01); **A61B 5/6805** (2013.01); **A61B 5/6823** (2013.01);
A61B 2562/0223 (2013.01)

Citation (search report)
• [X] US 4258718 A 19810331 - GOLDMAN MICHAEL D
• [X] EP 2289411 A1 20110302 - ADIDAS AG [DE]
• [X] WO 2004026137 A1 20040401 - ALFRED E MANN INST BIOMED ENG [US], et al
• See references of WO 2017184129A1

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)
WO 2017184129 A1 20171026; EP 3445237 A1 20190227; EP 3445237 A4 20200101

DOCDB simple family (application)
US 2016028347 W 20160420; EP 16899626 A 20160420