

Title (en)
ACTIVE ORTHESIS SYSTEM

Title (de)
AKTIVES ORTHESESYSTEM

Title (fr)
SYSTEME D'ORTHESE ACTIVE

Publication
EP 3352649 A1 20180801 (FR)

Application
EP 16784138 A 20160926

Priority
• FR 1559053 A 20150925
• EP 2016072814 W 20160926

Abstract (en)
[origin: WO2017051027A1] The invention relates to an active orthosis system comprising a plurality of inertial sensors to be distributed over an upper limb, a lower limb, or any other part of the human body comprising at least one joint, said inertial sensors (1, 2, 3, 4) being designed so as to allow the determination of at least one angle formed by segments of said part of the human body, around said at least one joint. The invention is characterised in that said active orthosis system comprises an alert device for warning the user of the active orthosis system that said at least one angle has a value located outside a pre-determined range of comfort values.

IPC 8 full level
A61B 5/00 (2006.01); **A61B 5/107** (2006.01); **A61B 5/11** (2006.01); **A61F 5/01** (2006.01)

CPC (source: EP US)
A61B 5/1071 (2013.01 - EP US); **A61B 5/1116** (2013.01 - US); **A61B 5/1126** (2013.01 - EP US); **A61B 5/742** (2013.01 - EP US); **A61B 5/744** (2013.01 - EP US); **A61B 5/746** (2013.01 - EP US); **A61D 19/02** (2013.01 - US); **A61F 5/0102** (2013.01 - EP US); **A61B 5/1121** (2013.01 - US); **A61B 5/6823** (2013.01 - EP US); **A61B 5/6824** (2013.01 - EP US); **A61B 2562/0219** (2013.01 - EP US); **A61B 2562/04** (2013.01 - EP US); **A61F 2005/0165** (2013.01 - EP US)

Citation (examination)
• US 2013222565 A1 20130829 - GUERIN KELLEHER RICCIO [US], et al
• US 2015045699 A1 20150212 - MOKAYA FRANK [US], et al
• See also references of WO 2017051027A1

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)
WO 2017051027 A1 20170330; CN 108471941 A 20180831; EP 3352649 A1 20180801; FR 3041522 A1 20170331; FR 3041522 B1 20210924; US 2018296128 A1 20181018

DOCDB simple family (application)
EP 2016072814 W 20160926; CN 201680068759 A 20160926; EP 16784138 A 20160926; FR 1559053 A 20150925; US 201615762886 A 20160926