

Title (en)

SYSTEM FOR ANALYZING A PEDALLING TECHNIQUE OF A CYCLIST AND ASSOCIATED METHODS

Title (de)

SYSTEM ZUR ANALYSE EINER PEDALBEWEGUNGSTECHNIK EINES RADFAHRERS UND ZUGEHÖRIGE VERFAHREN

Title (fr)

SYSTEME POUR L'ANALYSE DE LA TECHNIQUE DE PEDALAGE D'UN CYCLISTE ET PROCEDES ASSOCIES

Publication

EP 3791400 A1 20210317 (FR)

Application

EP 19742825 A 20190513

Priority

- FR 1870552 A 20180511
- FR 2019051080 W 20190513

Abstract (en)

[origin: WO2019215418A1] The invention relates to a device for analyzing and quantifying the pedalling technique of a user, based on a pair of soles, each sole comprising a compact and miniaturized electronic housing which comprises an electronic card containing an inertial platform consisting in particular of an accelerometer and a gyroscope for collecting and processing biomechanical data. The two housings are able to communicate with each other and with an external terminal in order to provide the user with general information on his pedalling activity.

IPC 8 full level

G16H 20/30 (2018.01); **A43B 3/00** (2006.01); **A43B 5/14** (2006.01); **A61B 5/11** (2006.01); **A63B 24/00** (2006.01); **B62M 3/08** (2006.01); **G16H 40/67** (2018.01)

CPC (source: EP US)

A43B 3/34 (2022.01 - EP US); **A43B 5/14** (2013.01 - US); **A61B 5/1124** (2013.01 - EP); **A63B 24/0062** (2013.01 - US); **B62J 45/412** (2020.02 - EP US); **B62J 45/421** (2020.02 - US); **G01C 19/00** (2013.01 - US); **G01P 15/08** (2013.01 - US); **G01P 15/18** (2013.01 - US); **G16H 20/30** (2018.01 - EP US); **G16H 40/67** (2018.01 - EP US); **G16H 50/30** (2018.01 - US); **A43B 5/14** (2013.01 - EP); **A43B 17/00** (2013.01 - EP); **A63B 2220/40** (2013.01 - US); **A63B 2220/836** (2013.01 - US); **G16H 50/70** (2018.01 - 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

DOCDB simple family (publication)

WO 2019215418 A1 20191114; EP 3791400 A1 20210317; FR 3081068 A1 20191115; FR 3081068 B1 20210521; US 2021245007 A1 20210812

DOCDB simple family (application)

FR 2019051080 W 20190513; EP 19742825 A 20190513; FR 1870552 A 20180511; US 201917054558 A 20190513