

Title (en)

METHOD AND SYSTEM TO DETERMINE A PERSONALIZED ELECTRICAL MUSCLE STIMULATION PATTERN FOR A SUBJECT USING AN ERGOMETER

Title (de)

VERFAHREN UND SYSTEM ZUR BESTIMMUNG EINES PERSONALISIERTEN MUSTERS ZUR ELEKTRISCHEN MUSKELSTIMULATION FÜR EIN SUBJEKT UNTER VERWENDUNG EINES ERGOMETERS

Title (fr)

PROCÉDÉ ET SYSTÈME POUR DÉTERMINER UN SCHEMA DE STIMULATION MUSCULAIRE ÉLECTRIQUE PERSONNALISÉ POUR UN UTILISATEUR À L'AIDE D'UN ERGOMÈTRE

Publication

EP 4052766 A1 20220907 (EN)

Application

EP 21305243 A 20210301

Priority

EP 21305243 A 20210301

Abstract (en)

The present invention relates to a method for determining an electrical stimulating pattern in a cycle ergometer equipped with a functional electrical stimulation (FES) system, said electrical pattern being personalized to the left and the right lateral parts of a user's body. The present invention also refers to an ergometer, preferably a cycle ergometer such as an electric stimulation stationary bike, comprising a FES controller with instructions to operate the method of the invention.

IPC 8 full level

A63B 22/06 (2006.01)

CPC (source: EP)

A63B 21/00178 (2013.01); **A63B 21/00181** (2013.01); **A63B 22/0605** (2013.01); **A63B 2022/0635** (2013.01); **A63B 2071/0652** (2013.01); **A63B 2213/004** (2013.01); **A63B 2220/10** (2013.01); **A63B 2220/16** (2013.01); **A63B 2220/51** (2013.01); **A63B 2220/52** (2013.01); **A63B 2220/54** (2013.01); **A63B 2225/02** (2013.01); **A63B 2230/08** (2013.01); **A63B 2230/60** (2013.01)

Citation (applicant)

WO 2018085770 A1 20180511 - RESTORATIVE THERAPIES [US]

Citation (search report)

- [X] US 2013053734 A1 20130228 - BARRISKILL ANDREW [US], et al
- [A] US 2007208392 A1 20070906 - KUSCHNER DOUG [US], et al
- [A] WO 2020012389 A2 20200116 - BIOMEDICAL DEVICES SPA [CL]

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)

EP 4052766 A1 20220907

DOCDB simple family (application)

EP 21305243 A 20210301