

Title (en)

DEVICE FOR EXERCISING THE LOWER AND/OR UPPER EXTREMITIES OF A PERSON

Title (de)

VORRICHTUNG ZUM TRAINIEREN DER UNTEREN UND/ODER OBEREN EXTREMITÄTEN EINER PERSON

Title (fr)

DISPOSITIF D'ENTRAÎNEMENT DES MEMBRES INFÉRIEURS ET/OU SUPÉRIEURS D'UNE PERSONNE

Publication

EP 3323473 A1 20180523 (DE)

Application

EP 16199806 A 20161121

Priority

EP 16199806 A 20161121

Abstract (en)

[origin: WO2018091731A1] The invention relates to an apparatus for training a person's lower and/or upper extremities, comprising at least two motion elements (1, 2), which are arranged on a base element (3, 4), wherein the motion elements (1, 2) each have an axis of rotation (13, 14), around which an actuating element (21-25) can be moved. The motion elements (1, 2) here are movable, each independently of the other, relative to the base element (3, 4) about a first movement axis (7, 8), wherein the first movement axis (7,8) runs substantially perpendicularly to a surface-area extent (9, 10) of the base element. The invention is characterized in that each motion element (1, 2) has a dedicated drive in order to rotate the actuating element (21-25) about the axis of rotation (13, 14), and in that the apparatus has a control element (19), which can activate each drive individually in order to provide for movement of each drive independently of movement of another drive. The invention also relates to methods for using such an apparatus.

Abstract (de)

Die Erfindung betrifft eine Vorrichtung zum Trainieren der unteren und/oder oberen Extremitäten einer Person, umfassend mindestens zwei Bewegungselemente (1, 2), die auf einem Grundelement (3, 4) angeordnet sind, wobei die Bewegungselemente (1, 2) jeweils eine Drehachse (13, 14) aufweisen, um die herum ein Betätigungselement (21-25) bewegt werden kann. Die Erfindung zeichnet sich dadurch aus, dass die Bewegungselemente (1, 2) jeweils unabhängig voneinander relativ zu dem Grundelement (3, 4) um eine erste Bewegungsachse (7, 8) beweglich sind, wobei die erste Bewegungsachse (7, 8) im Wesentlichen senkrecht zu einer Erstreckungsfläche (9, 10) des Grundelements verläuft. Die Erfindung betrifft ferner Verfahren zum Einsatz einer solchen Vorrichtung.

IPC 8 full level

A63B 22/00 (2006.01); **A61H 1/02** (2006.01); **A63B 21/00** (2006.01); **A63B 22/06** (2006.01); **A63B 22/14** (2006.01); **A63B 22/16** (2006.01); **A63B 24/00** (2006.01)

CPC (source: EP US)

A61H 1/0214 (2013.01 - EP US); **A63B 21/00178** (2013.01 - EP US); **A63B 22/0005** (2015.10 - EP US); **A63B 22/0007** (2013.01 - EP US); **A63B 22/0605** (2013.01 - EP US); **A63B 22/0694** (2013.01 - EP US); **A63B 22/14** (2013.01 - EP); **A63B 22/16** (2013.01 - EP); **A63B 24/0087** (2013.01 - EP); **A61H 2201/1215** (2013.01 - EP); **A63B 222/0028** (2013.01 - EP); **A63B 222/0038** (2013.01 - EP); **A63B 222/0041** (2013.01 - EP); **A63B 222/0617** (2013.01 - EP); **A63B 224/0093** (2013.01 - EP); **A63B 2071/0652** (2013.01 - EP); **A63B 2220/803** (2013.01 - EP)

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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 3323473 A1 20180523; CN 110225785 A 20190910; CN 110225785 B 20220125; DK 3541483 T3 20240318; EP 3541483 A1 20190925; EP 3541483 B1 20240103; US 11117016 B2 20210914; US 2020016453 A1 20200116; WO 2018091731 A1 20180524

DOCDB simple family (application)

EP 16199806 A 20161121; CN 201780083949 A 20171121; DK 17818427 T 20171121; EP 17818427 A 20171121; EP 2017079902 W 20171121; US 201716462219 A 20171121