

Title (en)

A MULTI-PURPOSE TRANSPORTABLE EXERCISE DEVICE FOR TRAINING OF BALANCE, STRENGTH AND FLEXIBILITY

Title (de)

TRANSPORTIERFÄHIGE MEHRZWECKÜBUNGSVORRICHTUNG ZUM TRAINIEREN VON GLEICHGEWICHT, KRAFT UND GELENKIGKEIT

Title (fr)

DISPOSITIF D'EXERCICE TRANSPORTABLE MULTIFONCTION D'ENTRAÎNEMENT DE L'ÉQUILIBRE, DE LA FORCE ET DE LA SOUPLESSE

Publication

**EP 3824959 A1 20210526 (EN)**

Application

**EP 20185640 A 20200714**

Priority

EP 20185640 A 20200714

Abstract (en)

The present invention belongs to the field medical devices, more precisely to the field of exercise devices and relates to a multi-purpose transportable device for training of muscle strength, postural balance and muscle flexibility in the human body. The device comprises:- a base plate comprising:- two rotating surfaces, wherein rotation is enabled by suitable bearings,- a locking mechanism for locking the position of rotating surfaces,- bottom attachment sites for attaching a fulcrum element for balance training,- side attachment sites for attaching a belt or elastic band for strength training,- the fulcrum element that may be a cylindrical element, a cylindrical element, composed of two half-cylindrical elements, or a half-spherical element, and/or- a set of belts and/or elastic bands with different levels of stiffness. The elements are used alone or in combination, and enable a span of exercises comparable to about 10 single-product solutions.

IPC 8 full level

**A63B 21/055** (2006.01); **A63B 21/068** (2006.01); **A63B 22/18** (2006.01); **A63B 23/035** (2006.01); **A63B 26/00** (2006.01)

CPC (source: EP)

**A63B 21/0552** (2013.01); **A63B 21/068** (2013.01); **A63B 22/16** (2013.01); **A63B 22/18** (2013.01); **A63B 23/03541** (2013.01); **A63B 26/003** (2013.01); **A61H 2015/0014** (2013.01); **A63B 2023/006** (2013.01); **A63B 2071/027** (2013.01)

Citation (applicant)

- GB 2559323 A 20180808 - HIGH STREET TV GROUP LTD [GB]
- CN 209529997 U 20191025 - AN JIA, et al
- CN 109107113 A 20190101 - XIONG FEIYAN
- CN 105662779 A 20160615 - WANG KE
- US 2011306476 A1 20111215 - BAPTISTE SANDRINE [US]
- CN 109646885 A 20190419 - LI ZUOKUN
- US 2018369645 A1 20181227 - SENK ERIC WALTER [US]
- CN 107007969 A 20170804 - UNIV GUANGXI
- US 4759542 A 19880726 - HUDEC DONALD P [US]
- FR 2974732 A1 20121109 - NEFF MARC [FR]

Citation (search report)

- [XY] US 2013123077 A1 20130516 - DUNEGAN TIM [US]
- [Y] US 8925936 B1 20150106 - CLOS DAVE [US], et al
- [Y] US 10207150 B2 20190219 - NOORZAI MUSTAFA [US], et al
- [Y] CA 2590880 A1 20081130 - VENCOMPASS GROUP ENTPR LTD [CA]
- [X] EP 3294425 A1 20180321 - MORF LLC [US]
- [X] US 2002151417 A1 20021017 - LIST KARL A [US]
- [XY] US 2018326254 A1 20181115 - EARLS DELOVELL [US], et al
- [XY] US 2017071817 A1 20170316 - SANCHEZ MICHAEL A [US]
- [A] US 5572757 A 19961112 - O'SULLIVAN DENNIS C [US]

Cited by

CN115212523A

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 3824959 A1 20210526; EP 3824959 B1 20230329**

DOCDB simple family (application)

**EP 20185640 A 20200714**