

Title (en)

VARIABLE WEIGHT TONING STRAP

Title (de)

STRAFFUNGSBAND MIT VARIABLEM GEWICHT

Title (fr)

SANGLE D'EXERCICE DE TONICITÉ À POIDS VARIABLE

Publication

EP 3454952 A4 20200108 (EN)

Application

EP 16901818 A 20160510

Priority

US 2016031621 W 20160510

Abstract (en)

[origin: WO2017196300A1] A variable weight toning strap having a flexible member and a plurality of generally rectangular sections, wherein each of the plurality of generally rectangular sections are disposed transversely along the flexible member length, include a top surface at least partially defining an upper surface of the flexible member, at least one perpendicular sidewall extending in a direction substantially perpendicular to the top surface, and a section width separating a rear face and a front face of the sections. Two of the sections have a discontinuous upper slit defined by the at least one perpendicular sidewall of each of said sections flanking the upper slit, wherein the upper slit spans the section width and terminates into a valley. The sections also define a plurality of channels therein, which house a plurality of weights, each selectively removably and frictionally retained by the respective plurality of channels.

IPC 8 full level

A63B 21/065 (2006.01); **A63B 21/00** (2006.01); **A63B 21/06** (2006.01); **A63B 24/00** (2006.01)

CPC (source: EP US)

A63B 21/0004 (2013.01 - EP); **A63B 21/0005** (2013.01 - EP); **A63B 21/065** (2013.01 - EP US); **A63B 21/4013** (2015.10 - EP);
A63B 21/4021 (2015.10 - EP); **A63B 71/0036** (2013.01 - EP); **A63B 71/0622** (2013.01 - EP); **A63B 21/4001** (2015.10 - EP);
A63B 21/4011 (2015.10 - EP); **A63B 21/4017** (2015.10 - EP); **A63B 2071/0694** (2013.01 - EP); **A63B 2209/00** (2013.01 - EP US);
A63B 2225/09 (2013.01 - EP); **A63B 2225/50** (2013.01 - EP); **A63B 2230/06** (2013.01 - EP); **A63B 2230/30** (2013.01 - EP)

Citation (search report)

- [X] US 6200243 B1 20010313 - MERANTO SAMUEL R [US]
- [X] CN 2707312 Y 20050706 - HUANG JINZHEN [CN]
- [X] CN 202590239 U 20121212 - TANG YUMING
- [X] CN 103418107 A 20131204 - TANG YUMING
- [A] US 2012144554 A1 20120614 - THELLMANN DIETER [US]
- [A] JP 2000084137 A 20000328 - NIPPON SIGNAL CO LTD
- [Y] US 2013237391 A1 20130912 - HALEY STEPHEN C [US]
- [Y] US 4988097 A 19910129 - SMITH ROBERT W [US], et al
- See references of WO 2017196300A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2017196300 A1 20171116; CA 2950107 A1 20171110; CA 2950107 C 20200714; EP 3454952 A1 20190320; EP 3454952 A4 20200108;
EP 3454952 B1 20230405; JP 2019514622 A 20190606; JP 6868042 B2 20210512

DOCDB simple family (application)

US 2016031621 W 20160510; CA 2950107 A 20160510; EP 16901818 A 20160510; JP 2018559916 A 20160510