

Title (en)
LOAD ADJUSTMENT SYSTEM FOR GYMNASTIC MACHINES AND TENSIONING AND RETURNING DEVICE FOR SAID ADJUSTING SYSTEM

Title (de)
LADEANPASSUNGSSYSTEM FÜR GYMNASTISCHE MASCHINEN UND SPANNUNGS- UND RÜCKLAUFVORRICHTUNG FÜR EIN SOLCHEN SYSTEM

Title (fr)
SYSTÈME D'AJUSTEMENT DE CHARGE POUR MACHINE DE GYMNASIQUE ET SYSTEME DE TENSION ET RETOUR POUR DIT SYSTÈME D'AJUSTEMENT

Publication
EP 3153215 A3 20170621 (EN)

Application
EP 16189963 A 20160921

Priority
IT UB20154086 A 20151005

Abstract (en)
[origin: EP3153215A2] The present invention concerns a system (5) for adjusting a load (41) movable along a vertical direction (A) for gymnastic machines (1) provided with a frame (2), said system (5) comprising a supporting member (6) of said mobile load (41), provided with a plurality of adjustment holes (61 a, 61 b, ..., 61 n), said movable load (41) consisting of a plurality of weights (41') arranged stacked and selectively selectable, a selector member (7) intended to be inserted in one of said adjustment holes (61 a, 61 b, ..., 61 n) of said supporting member (6), in order to select a group of said weights (41'), adjusting said movable load (41), and a string (8) having an end fixed to said selector member (7), said system (5) being characterized by comprising tensioning means (9) of said string (8), to keep said string (8) in tension when said selector member (7) is inserted in one hole of said plurality of adjustment holes (61 a, 61 b, ..., 61 n), and to return said selector member (7) when it is disengaged from said plurality of adjustment holes (61 a, 61 b, ..., 61 n). The present invention also concerns a tensioning and returning device (9).

IPC 8 full level
A63B 21/062 (2006.01)

CPC (source: CN EP US)
A63B 21/0628 (2015.10 - EP US); **A63B 21/063** (2015.10 - CN EP US); **A63B 21/151** (2013.01 - US); **A63B 21/154** (2013.01 - US); **A63B 23/1209** (2013.01 - CN); **A63B 2208/0233** (2013.01 - CN)

Citation (search report)

- [XA] EP 1813315 A1 20070801 - KUO HAI-PIN [TW]
- [X] WO 03105968 A1 20031224 - LEE BYUNG-DON [KR]
- [X] EP 0691140 A1 19960110 - INTEGRATED FITNESS CORP [US]
- [A] US 2010105529 A1 20100429 - SELA ILAN [IL]

Cited by
CN108786005A

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 3153215 A2 20170412; EP 3153215 A3 20170621; CN 107050764 A 20170818; IT UB20154086 A1 20170405; US 2017095686 A1 20170406

DOCDB simple family (application)
EP 16189963 A 20160921; CN 201610882109 A 20161008; IT UB20154086 A 20151005; US 201615284272 A 20161003