

Title (en)

LOADING DEVICE FOR AN EXERCISE MACHINE

Title (de)

LADEVORRICHTUNG FÜR EINE ÜBUNGSMASCHINE

Title (fr)

DISPOSITIF DE CHARGEMENT POUR MACHINE D'EXERCICE

Publication

**EP 4151286 A1 20230322 (EN)**

Application

**EP 21197582 A 20210918**

Priority

EP 21197582 A 20210918

Abstract (en)

An exercise machine is provided with a loading device. The loading device includes a lever, a coupler, a cylinder unit and a driving unit. The lever includes two ends. The first end of the lever is connected to the exercise machine. The coupler is movable along the lever between the first and second ends. The cylinder unit includes an end connected to the exercise machine and another end connected to the coupler. The driving unit includes a threaded sleeve, a threaded rod and a motor. The threaded sleeve is connected to the coupler. The threaded rod is engaged with the threaded sleeve. The motor rotates the threaded rod relative to the threaded sleeve so that the threaded rod moves the coupler via the threaded sleeve.

IPC 8 full level

**A63B 21/005** (2006.01); **A63B 21/00** (2006.01)

CPC (source: EP)

**A63B 21/00072** (2013.01); **A63B 21/0059** (2015.10); **A63B 21/0083** (2013.01); **A63B 21/0087** (2013.01); **A63B 21/078** (2013.01); **A63B 21/154** (2013.01)

Citation (applicant)

US 7758479 B2 20100720 - HUSTED ROYCE H [US], et al

Citation (search report)

- [X] US 4426077 A 19840117 - BECKER HERMANN-JOSEF [DE]
- [X] US 10960253 B2 20210330 - MEREDITH JEFFREY OWEN [US]
- [A] EP 1960062 A1 20080827 - KOLOMEIR JOSEPH [CA]
- [A] US 2003027693 A1 20030206 - BUSHNELL RAYMOND B [US]

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

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