

Title (en)

COMPACT INERTIA DEVICE FOR STRENGTH TRAINING

Title (de)

KOMPAKTE TRÄGHEITSVORRICHTUNG ZUM KRAFTTRAINING

Title (fr)

DISPOSITIF INERTIEL COMPACT D'ENTRAÎNEMENT MUSCULAIRE

Publication

**EP 3871741 A1 20210901 (EN)**

Application

**EP 19876019 A 20191025**

Priority

- ES 201831042 A 20181026
- ES 2019070724 W 20191025

Abstract (en)

Compact inertial device for muscle training, consisting of a pulling body (1) and a drive rope (2). The pulling body (1) in turn comprises a rotating main shaft (4), a reel (8) mounted on the main shaft (4), an inertia element (6) linked solidly to one end of the main shaft (4) for accumulation of kinetic energy from the rotation of the main shaft (4), and a planetary gear (5), which in turn comprises a central gear mounted on the main shaft (4), for multiplication of the transmission speed from the main shaft (4) driven by the reel (8) to the inertia element (6). In its preferred embodiment, the spool (8) is a conical spool with a smaller diameter sector to which one end of the rope (2) is solidly attached.

IPC 8 full level

**A63B 21/22** (2006.01)

CPC (source: EP ES US)

**A63B 21/15** (2013.01 - EP); **A63B 21/153** (2013.01 - EP US); **A63B 21/157** (2013.01 - US); **A63B 21/225** (2013.01 - EP US); **A63B 21/227** (2013.01 - ES); **A63B 21/155** (2013.01 - US); **A63B 21/1663** (2013.01 - EP); **A63B 21/169** (2015.10 - EP); **A63B 21/4009** (2015.10 - EP); **A63B 21/4035** (2015.10 - EP); **A63B 2071/027** (2013.01 - EP); **A63B 2220/17** (2013.01 - EP); **A63B 2220/805** (2013.01 - EP); **A63B 2225/20** (2013.01 - EP); **A63B 2225/50** (2013.01 - EP)

Designated contracting state (EPC)

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