

Title (en)

Training device, being an elliptic trainer or a cross trainer

Title (de)

Trainingsgerät, nämlich einen Ellipsen- oder Crosstrainer

Title (fr)

Appareil d'exercice, en particulier appareil elliptique ou au cross

Publication

EP 1666101 A1 20060607 (DE)

Application

EP 05021571 A 20051001

Priority

- DE 102004058568 A 20041203
- DE 202005001692 U 20050202

Abstract (en)

The user pulls on the two hand levers (10) and stands on two sliding pedals (13). The frame of the machine has two horizontal members (1a) resting on the floor, with a raised front portion (1b) carrying an electric motor (5) turning a spindle (4) and adjusting the vertical position of the lever pivot (8). The bottom ends of the levers are pivoted (11) to the forward ends of horizontal sliders (14) connected to a wheel (19) by rods (12) and cranks. The pedals move longitudinally on the sliders and are connected to the wheel by adjustable (18) cranks (17). A belt drive (23) connects the crank wheel to a flywheel (24) rotating at a higher speed.

IPC 8 full level

A63B 23/04 (2006.01); **A63B 23/035** (2006.01)

CPC (source: EP US)

A63B 22/001 (2013.01 - EP US); **A63B 22/0023** (2013.01 - EP US); **A63B 22/0664** (2013.01 - EP US); **A63B 21/0051** (2013.01 - EP US); **A63B 21/225** (2013.01 - EP US); **A63B 22/203** (2013.01 - EP US); **A63B 2022/067** (2013.01 - EP US)

Citation (applicant)

- DE 20100276 U1 20010419 - TONIC FITNESS TECHNOLOGY INC [TW]
- DE 20100267 U1 20010628 - THIESS AXEL [DE], et al

Citation (search report)

- [XY] US 5759136 A 19980602 - CHEN PAUL [TW]
- [Y] US 5803871 A 19980908 - STEARNS KENNETH W [US], et al
- [X] US 2002022553 A1 20020221 - RUFINO JOHN C [US], et al
- [X] US 6135926 A 20001024 - LEE GIN WEN [TW]
- [X] US 2004187628 A1 20040930 - STEVENS KERRY PETERS [NZ]
- [X] US 2002151412 A1 20021017 - LEE SUNNY [TW]

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CN104027943A; CN102240437A; CN104027941A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1666101 A1 20060607; US 2006142123 A1 20060629

DOCDB simple family (application)

EP 05021571 A 20051001; US 29230705 A 20051202