

Title (en)
MULTIFUNCTIONAL TRAINING DEVICE

Title (de)
MULTIFUNKTIONELLES TRAININGSGERÄT

Title (fr)
DISPOSITIF D'ENTRAÎNEMENT MULTIFONCTIONNEL

Publication
EP 4241858 A1 20230913 (EN)

Application
EP 22868405 A 20221104

Priority
• CN 202220210586 U 20220125
• CN 2022129696 W 20221104

Abstract (en)
The present disclosure proposes a multifunctional training device, including a pedal bottom plate with an insertion function, a cushioned tread surface, tractor plate assemblies of pull cord trainers inserted on both sides of the pedal bottom plate, and support base assemblies inserted on the bottom surface of the pedal, a bottom surface of the pedal bottom plate is provided with a plurality of mounting nests opening downward for preventing rotation of inserted pieces and limiting the inserted pieces, a mounting hole on the mounting nest is narrow on the upper part and wide on the lower part, and a plurality of wedge dowels are evenly distributed on an inner wall of the mounting hole with the mounting hole as the center, the wedge dowel is wide on the upper part and narrow on the lower part, and an outer side surface of the wedge dowel is smooth and flat, and a connecting hole is used for mounting a bottom support assembly. The bottom support assembly includes one or more of an omni-directional wheel assembly, a first elastic body, and a second elastic body, and the purpose of adapting different types of motion is achieved by changing different bottom support assemblies or adjusting the positions of the bottom support assemblies. The multifunctional training device has the advantages of reasonable structure, convenient disassembly and replacement, robust connection structure, and enlarged applicability range.

IPC 8 full level
A63B 26/00 (2006.01); **A63B 6/00** (2006.01); **A63B 22/16** (2006.01); **A63C 17/02** (2006.01)

CPC (source: EP US)
A63B 21/0557 (2013.01 - US); **A63B 22/0046** (2013.01 - EP US); **A63B 22/16** (2013.01 - EP US); **A63B 22/20** (2013.01 - EP US); **A63B 26/003** (2013.01 - EP); **A63B 21/0557** (2013.01 - EP)

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4241858 A1 20230913; CN 216755287 U 20220617; JP 2024507427 A 20240220; US 2024181292 A1 20240606; WO 2023142582 A1 20230803

DOCDB simple family (application)
EP 22868405 A 20221104; CN 2022129696 W 20221104; CN 202220210586 U 20220125; JP 2023537293 A 20221104; US 202218549354 A 20221104