

Title (en)  
PERSONAL TRAINING DEVICE

Title (de)  
PERSÖNLICHES TRAININGSGERÄT

Title (fr)  
DISPOSITIF D'ENTRAÎNEMENT PERSONNEL

Publication  
**EP 4169590 A1 20230426 (EN)**

Application  
**EP 22382748 A 20220802**

Priority  
ES 202132048 U 20211020

Abstract (en)  
This device for personal training consists of one or two bands (1), made of high resistant material, with two washers sewn at its ends (2) or with length regulating devices, such as straps closed on themselves by means of the appropriate buckle. The device offers the possibility to add a second set of washers next to the two end washers (2'), as well as an intermediate washer (2''). It is also possible to selectively attach fabric handles or grips (4) to these washers (2-2'-2''), by means of carabiners or similar elements, reinforced by an ergonomically shaped or by a rigid cylindrical tubular body (5). Additionally, the device may be complemented with a dynamometer (6) attached via fastening elements on the washers (2-2'-2'') and/or on the handles (4). This device enables to complement the dynamometer, and enables it to be complemented not only with vibration systems, but also with the transmission systems to transfer the data obtained through other electronic devices such as a mobile phone.

IPC 8 full level  
**A63B 23/025** (2006.01); **A61H 1/02** (2006.01); **A63B 21/00** (2006.01); **A63B 23/035** (2006.01)

CPC (source: EP)  
**A61H 1/0296** (2013.01); **A63B 21/00185** (2013.01); **A63B 21/00196** (2013.01); **A63B 21/151** (2013.01); **A63B 21/40** (2015.10); **A63B 21/4003** (2015.10); **A63B 21/4013** (2015.10); **A63B 21/4035** (2015.10); **A63B 21/4043** (2015.10); **A63B 23/025** (2013.01); **A63B 23/035** (2013.01); **A63B 2220/51** (2013.01); **A63B 2225/09** (2013.01); **A63B 2225/50** (2013.01)

Citation (search report)  
• [X] US 2018185693 A1 20180705 - THURSTON GREG [US], et al  
• [X] WO 2021074615 A1 20210422 - HOLLIER PETER ALAN [GB]  
• [X] GB 2588419 A 20210428 - FITKITPRO INT LTD [GB]  
• [A] ES 1254979 U 20201027 - ZINICOLA JUAN ITALO LUCIO [AR]  
• [A] US 2007015642 A1 20070118 - DEMENIUK MICHAEL A [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)  
**EP 4169590 A1 20230426**; ES 1280749 U 20211103; ES 1280749 Y 20220126

DOCDB simple family (application)  
**EP 22382748 A 20220802**; ES 202132048 U 20211020