

Title (en)

DEVICE FOR SPORTS EQUIPMENT, AND PIECE OF SPORTS EQUIPMENT FOR TRAINING THE HUMAN MUSCULATURE

Title (de)

VORRICHTUNG FÜR SPORTGERÄTE UND SPORTGERÄT ZUM TRAINIEREN DES MENSCHLICHEN MUSKELAPPARATES

Title (fr)

DISPOSITIF POUR MACHINES DE SPORT ET MACHINE DE SPORT DESTINÉE À ENTRAÎNER L'APPAREIL MUSCULAIRE HUMAIN

Publication

EP 3253461 B1 20220330 (DE)

Application

EP 15830974 A 20151130

Priority

- DE 102014018044 A 20141201
- DE 202015006105 U 20150827
- DE 2015000583 W 20151130

Abstract (en)

[origin: WO2016086917A1] The invention relates to a device for sports equipment as well as to a piece of sports equipment for training the human musculature. Said device comprises a gripping mechanism which can be movably mounted on a force transmission section of the piece of sports equipment in order for the muscle power to be transmitted to the piece of sports equipment. The disclosed device is characterized in that the gripping mechanism (2) is designed as a substantially spherical part (3, 3a) which can be gripped by the palm and fingers of an athlete without using the thumb.

IPC 8 full level

A63B 21/04 (2006.01); **A63B 21/00** (2006.01); **A63B 21/055** (2006.01); **A63B 21/16** (2006.01); **A63B 23/12** (2006.01); **A63B 23/16** (2006.01)

CPC (source: EP)

A63B 21/4035 (2015.10); **A63B 21/4043** (2015.10); **A63B 23/12** (2013.01); **A63B 23/16** (2013.01); **A63B 21/0442** (2013.01); **A63B 21/0552** (2013.01); **A63B 21/0557** (2013.01); **A63B 21/0628** (2015.10); **A63B 21/154** (2013.01); **A63B 21/1645** (2013.01); **A63B 21/1654** (2013.01); **A63B 2208/0204** (2013.01); **A63B 2208/0233** (2013.01)

Citation (examination)

- US 4973043 A 19901127 - NOLAN TIMOTHY J [US]
- US 5254066 A 19931019 - BROWN MICHAEL L [US], et al

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

DOCDB simple family (publication)

DE 202015006105 U1 20151027; DE 112015005404 A5 20170907; EP 3253461 A1 20171213; EP 3253461 B1 20220330; WO 2016086917 A1 20160609

DOCDB simple family (application)

DE 202015006105 U 20150827; DE 112015005404 T 20151130; DE 2015000583 W 20151130; EP 15830974 A 20151130