

Title (en)
Apparatus for muscle training

Title (de)
Trainingsgerät

Title (fr)
Appareil d'entraînement

Publication
EP 1386641 A1 20040204 (EN)

Application
EP 03425508 A 20030729

Priority
IT PG20020061 A 20020801

Abstract (en)
The present invention refers to an apparatus for muscle training, among those comprising a barbell connected by means of suitable transmission and connection means to a resisting apparatus capable of generating a resisting moment; such an apparatus being provided with means to adjust the motor moment generated by the user when hanging from the barbell in order to continuously balance it with the constant value of the resisting moment generated by the resisting apparatus, regardless of the user's weight. <IMAGE>

IPC 1-7
A63B 21/055; **A63B 21/04**; **A63B 23/12**

IPC 8 full level
A63B 21/04 (2006.01); **A63B 21/055** (2006.01); **A63B 23/12** (2006.01)

CPC (source: EP)
A63B 21/00072 (2013.01); **A63B 21/023** (2013.01); **A63B 21/04** (2013.01); **A63B 21/154** (2013.01); **A63B 23/03525** (2013.01); **A63B 23/1209** (2013.01); **A63B 21/0421** (2013.01); **A63B 21/055** (2013.01); **A63B 21/4017** (2015.10); **A63B 21/4035** (2015.10); **A63B 21/4043** (2015.10); **A63B 23/1218** (2013.01); **A63B 2208/0223** (2013.01); **A63B 2208/0233** (2013.01); **A63B 2208/0252** (2013.01)

Citation (search report)
• [X] DE 2656534 A1 19780615 - KUELKENS FRANZ
• [A] DE 29919472 U1 20000217 - HSU HANK [TW]
• [A] DE 3541980 A1 19870604 - RK SPORTGERAETE VERTRIEBS GMBH [DE]
• [A] US 2002094918 A1 20020718 - GERSCHEFSKE KEVIN [US], et al
• [A] US 5586962 A 19961224 - HALLMARK TIMOTHY M [US]

Cited by
CN107875580A; WO2023040677A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1386641 A1 20040204; IT PG20020061 A0 20020801; IT PG20020061 A1 20040202

DOCDB simple family (application)
EP 03425508 A 20030729; IT PG20020061 A 20020801