

Title (en)  
FITNESS EXERCISE APPARATUS

Title (de)  
FITNESSÜBUNGSGERÄT

Title (fr)  
APPAREIL D'EXERCICE PHYSIQUE

Publication  
**EP 4356983 A1 20240424 (EN)**

Application  
**EP 22203011 A 20221021**

Priority  
EP 22203011 A 20221021

Abstract (en)  
A fitness exercise apparatus includes a main frame (10), a seat unit (20), a first elastic unit (30), two second elastic units (40), a transmission unit (50). The main frame (10) includes a base seat (11) and a support unit (12). The seat unit (20) is mounted detachably on the base seat (11). The first elastic unit (30) is mounted on the main frame (10) and includes a plurality of first elastic members (31). The two second elastic units (40) are mounted on the main frame (10) and includes a plurality of second elastic members (41). The transmission unit (50) includes a first fixed pulley set (51), a second fixed pulley set (52), a main movable pulley set (53), two third fixed pulley sets (54), two side movable pulley sets (55), a first cable (56), a second cable (57), and two third cables (58).

IPC 8 full level  
**A63B 21/055** (2006.01); **A63B 21/00** (2006.01); **A63B 21/062** (2006.01); **A63B 23/04** (2006.01); **A63B 71/12** (2006.01)

CPC (source: EP)  
**A63B 21/0552** (2013.01); **A63B 21/062** (2013.01); **A63B 21/154** (2013.01); **A63B 21/4019** (2015.10); **A63B 21/4029** (2015.10); **A63B 71/1225** (2013.01); **A63B 21/00076** (2013.01); **A63B 21/4013** (2015.10); **A63B 21/4015** (2015.10); **A63B 21/4045** (2015.10); **A63B 23/0482** (2013.01); **A63B 2210/50** (2013.01)

Citation (applicant)  
US 2002077229 A1 20020620 - MCBRIDE ROBERT W [US]

Citation (search report)  
• [A] EP 3915654 A1 20211201 - YANGZHOU JIUYI HARDWARE & MACHINERY CO LTD [CN]  
• [A] US 6142919 A 20001107 - JORGENSEN ADAM A [US]  
• [A] US 2006189457 A1 20060824 - RIPLEY BARRY [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 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 4356983 A1 20240424**

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