

Title (en)  
FITNESS EXERCISE APPARATUS

Title (de)  
FITNESSÜBUNGSGERÄT

Title (fr)  
APPAREIL D'EXERCICE PHYSIQUE

Publication  
**EP 4356982 A1 20240424 (EN)**

Application  
**EP 22203010 A 20221021**

Priority  
EP 22203010 A 20221021

Abstract (en)  
A fitness exercise apparatus includes a main frame (10), a seat unit (20), a resistance unit (30), a transmission unit (40), and an operating unit (50). The main frame (10) includes a base seat (11) and a support unit (12). The seat unit (20) is mounted on the base seat (11). The resistance unit (30) includes a weight subunit (31) that is mounted on the main frame (10), and an elastic subunit (32) that is connected between the weight subunit (31) and the main frame (10). The transmission unit (40) includes a first fixed pulley set (41), two second fixed pulley sets (42), two third fixed pulley sets (43), a first movable pulley (44), a movable pulley set (45), two second movable pulleys (46), a first cable (47), two second cables (48), and a third cable (49). The operating unit (50) includes at least one operating member (51, 52, 53) that is connected to one of the first and second cables (47, 48).

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)  
CN 205683489 U 20161116 - UNIV CHAOHU

Citation (search report)  
• [A] US 2006189457 A1 20060824 - RIPLEY BARRY [US]  
• [A] US 2021361997 A1 20211125 - YANG YEN-SHUO [TW]  
• [A] US 2009215591 A1 20090827 - ALESSANDRI NERIO [IT], et al  
• [A] EP 2095849 A1 20090902 - TECHNOGYM SPA [IT]

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

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