

Title (en)  
FITNESS EXERCISE APPARATUS

Title (de)  
FITNESSÜBUNGSVORRICHTUNG

Title (fr)  
APPAREIL D'EXERCICE DE FITNESS

Publication  
**EP 3915654 A1 20211201 (EN)**

Application  
**EP 20176240 A 20200525**

Priority  
EP 20176240 A 20200525

Abstract (en)  
A fitness exercise apparatus includes a main frame (10), a seat frame (20), a plurality of elastic cords (30), a plurality of pulling units (40) and a pair of handles (50) . The main frame (10) includes a support unit (12) having bottom and top portions (121, 122) . The seat frame (20) includes a guide rail (21), and a seat assembly (22) slidably disposed on the guide rail (21) and movable toward and away from the support unit (12). Each elastic cord (30) extends from the bottom to the top portion (121, 122) of the support unit (12). Each pulling unit (40) includes a plurality of pulley sets (41, 42) provided on the main frame (10) and the seat frame (20), and a plurality of wires (411, 421) each of which is looped around a corresponding pulley set (41, 42) and connectable with a corresponding elastic cord (30). Each handle (50) is connected to a selected one of the elastic cord (30) and the wire (411, 421).

IPC 8 full level  
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CPC (source: EP)  
**A63B 21/00065** (2013.01); **A63B 21/04** (2013.01); **A63B 21/0428** (2013.01); **A63B 21/0552** (2013.01); **A63B 21/151** (2013.01); **A63B 21/154** (2013.01); **A63B 21/4031** (2015.10); **A63B 21/4033** (2015.10); **A63B 21/4043** (2015.10); **A63B 21/4045** (2015.10); **A63B 21/4047** (2015.10); **A63B 23/035** (2013.01); **A63B 23/03525** (2013.01); **A63B 23/03533** (2013.01); **A63B 23/03566** (2013.01); **A63B 2208/0204** (2013.01); **A63B 2208/0233** (2013.01); **A63B 2208/0238** (2013.01)

Citation (applicant)  
TW M585159 U 20191021 - LI YIN XUAN [TW]

Citation (search report)  
• [Y] US 2002077229 A1 20020620 - MCBRIDE ROBERT W [US]  
• [Y] US 6981932 B1 20060103 - HUANG CHIN-LIEN [TW], et al  
• [A] US 2019054343 A1 20190221 - CHIANG HSIN-HUANG [TW], et al  
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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

DOCDB simple family (publication)  
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