

Title (en)  
Exercise apparatus

Title (de)  
Übungsgerät

Title (fr)  
Appareil d'exercice

Publication  
**EP 2233176 A1 20100929 (EN)**

Application  
**EP 10155278 A 20100303**

Priority  
TW 98108825 A 20090318

Abstract (en)  
An exercise apparatus (10) is composed of a counterweight device (20), a pulley assembly (30), a pulley sensor (40), an operating device (50), and a control device (60). The counterweight device (20) includes a frame (22), a plurality of weight pieces (24) mounted to the frame (22), and a plurality of electronic switches (26) mounted to the frame (22) for detecting the number of the weight pieces (24) that are moved. The pulley assembly (30) includes at least one pulley (32) mounted to the frame (22); and a transmission member (34) mounted to the pulley (32) and connected with the weight pieces (24). The pulley sensor (40) is mounted to the frame (22) for sensing the status of the pulley (32). The operating device (50) is connected with the transmission member (34) for driving the pulley assembly (30) to move the weight pieces (24). The control device (60) is electrically connected with the electronic switches (26) and the pulley sensor (40) for calculating, displaying, and recording data of the user's exercise performance.

IPC 8 full level  
**A63B 21/062** (2006.01)

CPC (source: EP US)  
**A63B 21/0628** (2015.10 - EP US); **A63B 21/154** (2013.01 - EP US); **A63B 24/0062** (2013.01 - EP US); **A63B 2071/065** (2013.01 - EP US); **A63B 2220/17** (2013.01 - EP US); **A63B 2220/20** (2013.01 - EP US); **A63B 2220/24** (2013.01 - EP US); **A63B 2220/52** (2013.01 - EP US); **A63B 2220/805** (2013.01 - EP US); **A63B 2230/75** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)  
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 SE SI SK SM TR

Designated extension state (EPC)  
AL BA ME RS

DOCDB simple family (publication)  
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