

Title (en)  
PNEUMATIC EQUIPMENT FOR PHYSICAL TRAINING

Title (de)  
PNEUMATISCHE AUSRÜSTUNG ZUM KÖRPERLICHEN TRAINING

Title (fr)  
ÉQUIPEMENT PNEUMATIQUE POUR L'ENTRAÎNEMENT PHYSIQUE

Publication  
**EP 4122553 A1 20230125 (EN)**

Application  
**EP 22020354 A 20220722**

Priority  
IT 202100019778 A 20210723

Abstract (en)  
A physical training apparatus comprises a pneumatic actuator (101), connected to a source of compressed air (104) and provided with a piston rod (102) supporting at least a mobile pulley (107) through which passes a first cable (108) with a first cable end (109a) anchored to the supporting structure (100) and a second cable end (109b) attached to a rotational shaft (110), integral with a fixed pulley (112) having a diameter larger than the diameter of the rotational shaft (110), on said fixed pulley (112) being wound a second cable (113) that can be pulled to perform exercise for a length that is greater than the length of the first cable (108) necessary to compress the pneumatic actuator (101), in the same ratio as that which exists between the diameter of the fixed pulley (112) around which the second cable (113) is wound and the diameter of the rotational shaft (110).

IPC 8 full level  
**A63B 21/008** (2006.01); **A63B 21/00** (2006.01)

CPC (source: EP)  
**A63B 21/0087** (2013.01); **A63B 21/153** (2013.01); **A63B 21/155** (2013.01); **A63B 2220/56** (2013.01)

Citation (applicant)  
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• WO 9314822 A1 19930805 - THEROND LEON [FR]  
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• WO 9314822 A1 19930805 - THEROND LEON [FR]

Citation (search report)  
• [Y] US 2003115955 A1 20030626 - KEISER DENNIS L [US]  
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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

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KH MA MD TN

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