

Title (en)  
BODY-BUILDING APPARATUS WITH LOAD COMPENSATION

Title (de)  
BODYBUILDING-VORRICHTUNG MIT LASTAUSGLEICH

Title (fr)  
APPAREIL DE MUSCULATION AVEC UNE COMPENSATION DE CHARGE

Publication  
**EP 3349868 A1 20180725 (FR)**

Application  
**EP 16775273 A 20160829**

Priority

- FR 1558631 A 20150915
- FR 2016052138 W 20160829

Abstract (en)  
[origin: WO2017046467A1] The invention relates to a body-building apparatus comprising a frame and at least one load (5) which is moved back and forth by the user, the apparatus comprising at least one pneumatic cylinder that provides the load compensation during at least part of the movement. According to the invention, the apparatus also comprises a system for detecting the movement of the load which controls the compensation applied by the cylinder according to the detection of the movement.

IPC 8 full level  
**A63B 21/062** (2006.01); **A63B 21/00** (2006.01); **A63B 21/008** (2006.01); **A63B 23/035** (2006.01); **A63B 23/12** (2006.01); **A63B 24/00** (2006.01); **A63B 71/06** (2006.01)

CPC (source: EP)  
**A63B 21/0083** (2013.01); **A63B 21/0087** (2013.01); **A63B 21/063** (2015.10); **A63B 21/4035** (2015.10); **A63B 23/03525** (2013.01); **A63B 23/12** (2013.01); **A63B 24/0062** (2013.01); **A63B 71/0622** (2013.01); **A63B 21/0628** (2015.10); **A63B 2024/0093** (2013.01); **A63B 2071/065** (2013.01); **A63B 2220/17** (2013.01); **A63B 2220/20** (2013.01); **A63B 2220/24** (2013.01); **A63B 2220/30** (2013.01); **A63B 2220/34** (2013.01); **A63B 2220/52** (2013.01); **A63B 2220/805** (2013.01); **A63B 2225/20** (2013.01); **A63B 2225/50** (2013.01)

Citation (search report)  
See references of WO 2017046467A1

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)  
**FR 3040888 A1 20170317**; **FR 3040888 B1 20171006**; EP 3349868 A1 20180725; WO 2017046467 A1 20170323

DOCDB simple family (application)  
**FR 1558631 A 20150915**; EP 16775273 A 20160829; FR 2016052138 W 20160829