

Title (en)  
EXERCISE MACHINES

Title (de)  
ÜBUNGSVORRICHTUNGEN

Title (fr)  
MACHINES D'EXERCICE

Publication  
**EP 2800610 B1 20180718 (EN)**

Application  
**EP 13700782 A 20130104**

Priority  
• GB 201200032 A 20120104  
• GB 2013050003 W 20130104

Abstract (en)  
[origin: WO2013102760A1] Disclosed is an exercise machine comprising an operating member arranged to be movable in a generally horizontal arc about a generally vertical axis against resistance and in a generally vertical arc about a generally horizontal axis against resistance to provide both rotational reciprocal movement for rotary torso and abdominal crunch exercises. The resistance may be provided by unidirectional adjustable hydraulic struts. An embodiment comprises five separate exercising modules arranged and configured to respectively exercise torso, abdominal, chest, shoulder and leg muscle groups, the muscle group exercising modules being disposed to be operated by a user from a single seated position.

IPC 8 full level  
**A63B 23/035** (2006.01)

CPC (source: EP GB)  
**A63B 21/008** (2013.01 - GB); **A63B 21/0083** (2013.01 - EP); **A63B 21/0087** (2013.01 - EP); **A63B 21/159** (2013.01 - EP); **A63B 21/4047** (2015.10 - EP); **A63B 23/02** (2013.01 - GB); **A63B 23/0211** (2013.01 - EP); **A63B 23/03525** (2013.01 - EP); **A63B 23/03541** (2013.01 - EP); **A63B 23/03558** (2013.01 - EP); **A63B 23/04** (2013.01 - GB); **A63B 23/0494** (2013.01 - EP); **A63B 23/12** (2013.01 - GB); **A63B 23/1263** (2013.01 - EP); **A63B 21/012** (2013.01 - EP); **A63B 21/023** (2013.01 - EP); **A63B 21/0552** (2013.01 - EP); **A63B 24/0062** (2013.01 - GB); **A63B 24/0075** (2013.01 - GB); **A63B 71/0619** (2013.01 - EP); **A63B 2023/003** (2013.01 - EP); **A63B 2208/0233** (2013.01 - EP); **A63B 2230/06** (2013.01 - EP); **A63B 2230/30** (2013.01 - EP)

Cited by  
AU2023216868A1

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

DOCDB simple family (publication)  
**WO 2013102760 A1 20130711**; CN 105163815 A 20151216; CN 105163815 B 20180202; EP 2800610 A1 20141112; EP 2800610 B1 20180718; GB 201200032 D0 20120215; GB 2498335 A 20130717; HK 1198694 A1 20150529; JP 2015506221 A 20150302; JP 6067030 B2 20170125; KR 102003580 B1 20190724; KR 20140114350 A 20140926; MY 172648 A 20191208; PH 12014501344 A1 20140915; PH 12014501344 B1 20140915; SG 11201403833R A 20140828; TW 201334834 A 20130901; TW I486191 B 20150601

DOCDB simple family (application)  
**GB 2013050003 W 20130104**; CN 201380004765 A 20130104; EP 13700782 A 20130104; GB 201200032 A 20120104; HK 14112164 A 20141202; JP 2014550757 A 20130104; KR 20147018030 A 20130104; MY PI2014701830 A 20130104; PH 12014501344 A 20140613; SG 11201403833R A 20130104; TW 102100346 A 20130104