

Title (en)  
REFORMER EXERCISE APPARATUS

Title (de)  
REFORMER-TRAININGSVORRICHTUNG

Title (fr)  
APPAREIL D'EXERCICE DE REMISE EN FORME

Publication  
**EP 2731684 B1 20170405 (EN)**

Application  
**EP 11869281 A 20110713**

Priority  
US 2011043803 W 20110713

Abstract (en)  
[origin: WO2013009306A1] A reformer exercise apparatus is disclosed that has a generally rectangular frame. The rail portions of the frame each have an upright outer wall, an integral downwardly slanted inner wall and a hidden outwardly open slot therein between the outer and inner walls. A foot bar support assembly movably carried by each of the outwardly open slots supports the foot bar. Each foot bar support assembly has an elongated slide plate movably supported within the slot, a hook plate fastened to the slide plate, and a foot bar support arm rotatably and slidably fastened to the hook plate. A pair of tubular risers each having an upper roller therein at the head end of the frame direct arm cord ends to a cord retraction assembly mounted on the carriage. The retraction assembly releases the cords by pivoting either one of the shoulder stops toward the foot end of the frame.

IPC 8 full level  
**A63B 22/20** (2006.01); **A63B 21/02** (2006.01); **A63B 21/055** (2006.01)

CPC (source: EP IL KR)  
**A63B 21/00065** (2013.01 - EP IL); **A63B 21/02** (2013.01 - KR); **A63B 21/023** (2013.01 - EP IL); **A63B 21/0428** (2013.01 - EP IL); **A63B 21/055** (2013.01 - EP IL KR); **A63B 21/0552** (2013.01 - IL); **A63B 21/154** (2013.01 - EP IL); **A63B 21/4034** (2015.10 - IL); **A63B 21/4035** (2015.10 - IL); **A63B 21/4043** (2015.10 - EP IL); **A63B 22/0089** (2013.01 - EP IL); **A63B 22/20** (2013.01 - KR); **A63B 21/0552** (2013.01 - EP); **A63B 21/4034** (2015.10 - EP); **A63B 21/4035** (2015.10 - EP); **A63B 2208/0247** (2013.01 - EP IL); **A63B 2210/50** (2013.01 - EP IL); **A63B 2225/09** (2013.01 - EP IL)

Cited by  
CN112090033A

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 2013009306 A1 20130117**; AU 2011372789 A1 20140109; AU 2011372789 B2 20160317; AU 2015202268 A1 20150521; AU 2015202268 B2 20170202; AU 2015202320 A1 20150521; AU 2015202320 B2 20170302; BR 112014000505 A2 20170221; BR 122015015917 A2 20190827; BR 122015015917 B1 20210601; BR 122015015918 A2 20190827; BR 122015015918 B1 20210112; BR 122015015920 A2 20190827; BR 122015015920 B1 20210601; CA 2844737 A1 20130117; CA 2844737 C 20161129; CA 2945556 A1 20130117; CA 2945556 C 20190625; CA 3008723 A1 20130117; CA 3008723 C 20200707; CN 103648592 A 20140319; CN 103648592 B 20160203; CY 1119277 T1 20180214; DK 2731684 T3 20170703; DK 2944358 T3 20180416; DK 2946816 T3 20190218; DK 2949364 T3 20190603; EP 2731684 A1 20140521; EP 2731684 A4 20150408; EP 2731684 B1 20170405; EP 2944358 A1 20151118; EP 2944358 B1 20180117; EP 2946816 A1 20151125; EP 2946816 B1 20181107; EP 2949364 A1 20151202; EP 2949364 B1 20190424; ES 2632003 T3 20170907; ES 2665348 T3 20180425; ES 2707984 T3 20190408; ES 2727930 T3 20191021; HK 1194320 A1 20141017; HK 1211528 A1 20160527; HK 1211529 A1 20160527; HK 1211530 A1 20160527; HU E034835 T2 20180328; HU E036688 T2 20180730; HU E042337 T2 20190628; HU E043824 T2 20190930; IL 230359 A 20170330; IL 238736 A0 20150630; IL 238736 A 20160229; IL 238737 A0 20150630; IL 238737 B 20210228; IL 238738 A0 20150630; IL 238738 B 20181231; KR 101688688 B1 20161221; KR 101704947 B1 20170208; KR 101704948 B1 20170208; KR 101704949 B1 20170208; KR 20140037148 A 20140326; KR 20150059803 A 20150602; KR 20150059804 A 20150602; KR 20150059805 A 20150602; LT 2731684 T 20170725; LT 2944358 T 20180425; LT 2946816 T 20190211; LT 2949364 T 20190625; NZ 618883 A 20150828; NZ 707691 A 20160624; NZ 707695 A 20160527; PL 2731684 T3 20170929; PL 2944358 T3 20180831; PL 2946816 T3 20190430; PL 2949364 T3 20190930; PT 2731684 T 20170628; RS 57068 B1 20180629; RS 58260 B1 20190329; SI 2949364 T1 20191030; ZA 201400040 B 20170628

DOCDB simple family (application)  
**US 2011043803 W 20110713**; AU 2011372789 A 20110713; AU 2015202268 A 20150430; AU 2015202320 A 20150501; BR 112014000505 A 20110713; BR 122015015917 A 20110713; BR 122015015918 A 20110713; BR 122015015920 A 20110713; CA 2844737 A 20110713; CA 2945556 A 20110713; CA 3008723 A 20110713; CN 201180072270 A 20110713; CY 171100715 T 20170704; DK 11869281 T 20110713; DK 15166771 T 20110713; DK 15166775 T 20110713; DK 15166776 T 20110713; EP 11869281 A 20110713; EP 15166771 A 20110713; EP 15166775 A 20110713; EP 15166776 A 20110713; ES 11869281 T 20110713; ES 15166771 T 20110713; ES 15166775 T 20110713; ES 15166776 T 20110713; HK 14107763 A 20140730; HK 15112074 A 20140730; HK 15112075 A 20140730; HK 15112076 A 20140730; HU E11869281 A 20110713; HU E15166771 A 20110713; HU E15166775 A 20110713; HU E15166776 A 20110713; IL 23035914 A 20140107; IL 23873615 A 20150510; IL 23873715 A 20150510; IL 23873814 A 20140107; IL 23873815 A 20150510; KR 20137034827 A 20110713; KR 20157012385 A 20110713; KR 20157012386 A 20110713; KR 20157012387 A 20110713; LT 11869281 T 20110713; LT 15166771 T 20110713; LT 15166775 T 20110713; LT 15166776 T 20110713; NZ 61888311 A 20110713; NZ 70769111 A 20110713; NZ 70769511 A 20110713; PL 11869281 T 20110713; PL 15166771 T 20110713; PL 15166775 T 20110713; PL 15166776 T 20110713; PT 11869281 T 20110713; RS P20180411 A 20110713; RS P20190101 A 20110713; SI 201131731 T 20110713; ZA 201400040 A 20140106