

Title (en)
EXERCISE AID DEVICE

Title (de)
TRAININGSHILFSGERÄT

Title (fr)
DISPOSITIF D'AIDE À LA PRATIQUE D'EXERCICES

Publication
EP 2098208 A4 20100331 (EN)

Application
EP 07860079 A 20071225

Priority

- JP 2007074850 W 20071225
- JP 2006348637 A 20061225
- JP 2007068558 W 20070925

Abstract (en)
[origin: EP2420217A1] A housing 1 is provided with a left foot support 2a and the right foot support 2b each of which is provided for bearing the user's foot thereon. A drive unit 3 is configured to vary an upper surface angle of each of the left foot support, 2a and the right foot support relative to horizontal plane. Each of the left foot support 2a and the right foot support 2b is driven to move within a swing range. When one of the left foot support 2a and the right foot support 2b has its front end being located at an upper end of the swing range, the other of the left foot support 2a and the right foot support 2b has its front end being located at a lower end of the swing range. Both of a left ankle joint and a right ankle joint are alternately dorsiflexed and plantarflexed. Consequently, it is possible to obtain an exercise assisting device being configured to bend and stretch lower legs to stimulate lower leg muscles.

IPC 8 full level
A61H 1/02 (2006.01); **A63B 23/08** (2006.01); **A63B 23/10** (2006.01); **A63B 24/00** (2006.01)

CPC (source: EP KR US)
A61H 1/02 (2013.01 - KR); **A61H 1/0237** (2013.01 - EP US); **A61H 1/0262** (2013.01 - EP US); **A61H 1/0266** (2013.01 - EP US);
A63B 23/04 (2013.01 - KR); **A63B 23/10** (2013.01 - KR); **A63B 24/00** (2013.01 - KR)

Citation (search report)

- [XY] US 2093830 A 19370921 - FLATLEY JAMES J
- [XI] US 2246689 A 19410624 - ALWIN KOST
- [X] US 4185622 A 19800129 - SWENSON OSCAR J [US]
- [X] US 5176598 A 19930105 - GARDNER GORDON B [US]
- [Y] FR 1354169 A 19640306

Cited by
ITUB20152737A1; CN106794105A; WO2017153757A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2098208 A1 20090909; EP 2098208 A4 20100331; EP 2098208 B1 20120125; AT E542514 T1 20120215; CN 101568318 A 20091028; CN 101568318 B 20120725; DK 2098208 T3 20120416; EP 2420217 A1 20120222; HK 1136483 A1 20100702; KR 101138660 B1 20120419; KR 20090096641 A 20090911; TW 200848008 A 20081216; US 2010075813 A1 20100325; WO 2008084674 A1 20080717

DOCDB simple family (application)
EP 07860079 A 20071225; AT 07860079 T 20071225; CN 200780048148 A 20071225; DK 07860079 T 20071225; EP 11189770 A 20071225; HK 10103263 A 20100330; JP 2007074850 W 20071225; KR 20097015668 A 20071225; TW 96149990 A 20071225; US 52111807 A 20071225