

Title (en)
BODY-SHAPE CORRECTION APPARATUS

Title (de)
KÖRPERFORM-KORREKTURVORRICHTUNG

Title (fr)
APPAREIL DE CORRECTION DE LA FORME DU CORPS

Publication
EP 2910222 A4 20160824 (EN)

Application
EP 13847117 A 20131021

Priority
• KR 20120116332 A 20121019
• KR 2013009393 W 20131021

Abstract (en)
[origin: EP2910222A1] The present invention is a body-shape correction apparatus comprising: a left foot-associated rotation unit on which the left foot of a user is loaded and supported, and which rotates in the counter-clockwise direction and returns in the clockwise direction; a right foot-associated rotation unit on which the right foot of the user is loaded and supported, and which rotates in the clockwise direction and returns in the counter-clockwise direction; and a pair of spring units and a pair of deformation distribution units arranged to correspond to the pair of left and right foot-associated rotation units. Furthermore, the present invention provides a body-shape correction apparatus, comprising: a left hand-associated rotation unit which rotates in the counter-clockwise direction according to the external rotation of the left hand of the user, and which returns in the clockwise direction; a right hand-associated rotation unit which rotates in the clockwise direction according to the external rotation of the right hand of the user, and which returns in a counter-clockwise direction; a left elastic unit for applying a clockwise restoring force that is resistant to the counter-clockwise displacement of the left hand-associated rotation unit; and a right elastic unit for applying a counter-clockwise restoring force that is resistant to the clockwise displacement of the right hand-associated rotation unit.

IPC 8 full level
A61F 5/042 (2006.01); **A61F 5/01** (2006.01); **A61H 1/02** (2006.01); **A63B 21/00** (2006.01); **A63B 21/02** (2006.01); **A63B 21/04** (2006.01); **A63B 21/045** (2006.01); **A63B 21/055** (2006.01); **A63B 23/035** (2006.01); **A63B 23/04** (2006.01); **A63B 23/12** (2006.01); **A63B 69/00** (2006.01)

CPC (source: EP US)
A61H 1/0237 (2013.01 - EP US); **A63B 21/023** (2013.01 - EP US); **A63B 21/025** (2013.01 - EP US); **A63B 21/0421** (2013.01 - EP US); **A63B 21/0428** (2013.01 - EP US); **A63B 21/0455** (2013.01 - US); **A63B 21/055** (2013.01 - US); **A63B 21/154** (2013.01 - EP US); **A63B 21/4034** (2015.10 - EP US); **A63B 21/4035** (2015.10 - EP US); **A63B 21/4047** (2015.10 - EP US); **A63B 21/4049** (2015.10 - EP US); **A63B 23/03541** (2013.01 - EP US); **A63B 23/0355** (2013.01 - US); **A63B 23/03575** (2013.01 - EP US); **A63B 23/0482** (2013.01 - EP US); **A63B 23/1254** (2013.01 - EP US); **A63B 69/0057** (2013.01 - EP US); **A61H 2201/0192** (2013.01 - EP US); **A61H 2201/1276** (2013.01 - EP US); **A61H 2201/1635** (2013.01 - EP US); **A61H 2201/164** (2013.01 - EP US); **A63B 2208/0204** (2013.01 - EP US)

Citation (search report)
• [X] EP 0186928 A1 19860709 - MANDHY PROD BV [NL]
• [X] US 4770409 A 19880913 - WALLISCH MICHAEL D [US]
• [A] KR 20080024100 A 20080317 - SEO KYUNG BAE [KR]
• [X] DE 176915 C
• [Y] DE 1578615 A1 19711209 - MOREILLON RAYMOND FREDERIC
• [Y] US 4844454 A 19890704 - ROGERS STEPHEN A [US]
• [XA] FR 2292494 A1 19760625 - LECOMTE GERARD [FR]
• [A] US 2230033 A 19410128 - HACKETT JAMES W
• [A] EP 0296129 A2 19881221 - COLOMBO OTTAVIO
• See references of WO 2014062042A1

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)
EP 2910222 A1 20150826; EP 2910222 A4 20160824; CN 104994813 A 20151021; HK 1210934 A1 20160513; IN 3863DEN2015 A 20151002; JP 2015532177 A 20151109; KR 102158401 B1 20200921; KR 20150073178 A 20150630; RU 2015118589 A 20161210; US 2015283419 A1 20151008; WO 2014062042 A1 20140424

DOCDB simple family (application)
EP 13847117 A 20131021; CN 201380067036 A 20131021; HK 15111773 A 20151130; IN 3863DEN2015 A 20150506; JP 2015538029 A 20131021; KR 2013009393 W 20131021; KR 20157010202 A 20131021; RU 2015118589 A 20131021; US 201314436721 A 20131021