

Title (en)

Walk training apparatus, and use thereof.

Title (de)

Lauftrainingsvorrichtung und ihre Verwendung

Title (fr)

Appareil d'entraînement à la marche et son utilisation

Publication

EP 2881008 A1 20150610 (EN)

Application

EP 13196260 A 20131209

Priority

EP 13196260 A 20131209

Abstract (en)

A walk training apparatus (1) comprises a main frame (10); a rolling assembly (4), allowing the main frame to perform omnidirectional rolling movements over a floor during walking of a person (11); a drive unit (5) for driving the rolling assembly; a sensor (6) for detecting relative translational and/or rotational movement and/or relative force and/or torque exertion between a body reference part (12) of the person's body and a frame reference part (2, 3) of the main frame; a calculator (7) for calculating drive control parameters based on detection results from the sensor; and a controller (8) for controlling the drive unit based on the calculated drive control parameters.

IPC 8 full level

A47B 13/04 (2006.01); **A61H 3/04** (2006.01)

CPC (source: EP)

A61H 1/024 (2013.01); **A61H 1/0244** (2013.01); **A61H 3/00** (2013.01); **A61H 3/04** (2013.01); **A63B 21/00178** (2013.01); **A63B 22/0087** (2013.01); **A61H 2003/043** (2013.01); **A61H 2201/1621** (2013.01); **A61H 2201/1633** (2013.01); **A61H 2201/1635** (2013.01); **A61H 2201/1642** (2013.01); **A61H 2201/1659** (2013.01); **A61H 2201/50** (2013.01); **A61H 2201/5007** (2013.01); **A61H 2201/5023** (2013.01); **A61H 2201/5028** (2013.01); **A61H 2201/5035** (2013.01); **A61H 2201/5061** (2013.01); **A61H 2201/5064** (2013.01); **A61H 2201/5069** (2013.01); **A63B 2022/0092** (2013.01); **A63B 2022/0094** (2013.01)

Citation (search report)

- [XII] WO 2012107700 A2 20120816 - RISE BA [FR], et al
- [XII] US 2005288157 A1 20051229 - SANTOS-MUNNE JULIO [US], et al
- [XII] US 2012018233 A1 20120126 - CHANG YOON YOUNG [KR], et al
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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)

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