

Title (en)
Gear movement device

Title (de)
Gangbewegungsvorrichtung

Title (fr)
Dispositif de mouvement de vitesse

Publication
EP 2815793 B1 20180905 (DE)

Application
EP 13172279 A 20130617

Priority
EP 13172279 A 20130617

Abstract (en)
[origin: US2014371640A1] A walking movement device is provided for producing a walking movement of a human being with two controlled foot guiding units, each having a foot plate for placing a foot thereon. The foot plates are alternately movable forward and backwards in opposite directions to stimulate the walking movement. The foot plates are coupled with at least one drive unit, via which drive unit the walking movement of the foot plates can be produced, and have a suspension unit for easing the weight on the human being. The foot plates each have a front and a rear partial area with the at least one drive unit being configured to move the rear partial area out of the common plane with respect to the front partial area and back again during the walking movement of the foot plates, in order to enable bending of the midfoot toe joint during the movement process.

IPC 8 full level
A63B 22/06 (2006.01); **A63B 21/00** (2006.01); **A63B 21/005** (2006.01); **A63B 22/20** (2006.01); **A63B 23/04** (2006.01); **A63B 69/00** (2006.01)

CPC (source: EP US)
A61H 1/0262 (2013.01 - EP US); **A61H 1/0266** (2013.01 - EP US); **A61H 2201/1215** (2013.01 - EP US); **A61H 2201/1621** (2013.01 - EP US)

Citation (examination)
US 3824994 A 19740723 - SODERBERG R

Cited by
CN107080680A; CN107115628A; EP3738573A4

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)
EP 2815793 A1 20141224; EP 2815793 B1 20180905; CN 104224489 A 20141224; CN 104224489 B 20180216; HK 1204910 A1 20151211; US 2014371640 A1 20141218; US 9700478 B2 20170711

DOCDB simple family (application)
EP 13172279 A 20130617; CN 201410270280 A 20140617; HK 15105892 A 20150619; US 201414306427 A 20140617