

Title (en)

Device for adjusting the height of and the relief force acting on a weight

Title (de)

Gerät um die Höhe eines Gewichts sowie eine auf dieses Gewicht wirkende Entlastungskraft zu regulieren

Title (fr)

Appareil pour régler la hauteur et la force de soulagement agissant sur un poids

Publication

**EP 1586291 B1 20080409 (EN)**

Application

**EP 04405236 A 20040416**

Priority

EP 04405236 A 20040416

Abstract (en)

[origin: EP1586291A1] A device for adjusting the height of and relief force acting on a weight is especially provided to be used for walking therapy of paraparetic or hemiparetic patients within a locomotion training means. Said weight of the patient is supported by a cable (11, 30). A first cable length adjustment means (1) provides an adjustment of the length of the cable (11) to define the height of said suspended weight. A second cable length adjustment means (2) provides an adjustment of the length of the cable (11) to define the relief force acting on the suspended weight. This allows a quick and reliable determination and adjustment of the height for different patients and of the relief force within the training program of every patient. <IMAGE>

IPC 8 full level

**A61H 3/00** (2006.01); **A63B 21/06** (2006.01); **A63B 22/02** (2006.01); **A63B 69/00** (2006.01)

CPC (source: EP US)

**A63B 71/0009** (2013.01 - EP US); **A61H 3/008** (2013.01 - EP US); **A61H 2201/0192** (2013.01 - EP US); **A61H 2201/5061** (2013.01 - EP US); **A63B 21/00181** (2013.01 - EP US); **A63B 22/0235** (2013.01 - EP US); **A63B 69/0064** (2013.01 - EP US); **A63B 2022/0094** (2013.01 - EP US); **A63B 2220/13** (2013.01 - EP US); **A63B 2230/625** (2013.01 - EP US)

Cited by

EP1908442A1; WO2008040554A1; CN104739617A; CN110450135A; CN102600031A; WO2019149319A1; WO2019042514A1; WO2016005367A1; EP2815734A1; US9808668B2; US8192331B2; EP2730266A1; EP3095430A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1586291 A1 20051019**; **EP 1586291 B1 20080409**; AT E391482 T1 20080415; DE 602004012959 D1 20080521; DE 602004012959 T2 20081023; US 2005239613 A1 20051027

DOCDB simple family (application)

**EP 04405236 A 20040416**; AT 04405236 T 20040416; DE 602004012959 T 20040416; US 10764105 A 20050415