

Title (en)

DEVICE FOR COMPENSATION OF A SHOULDER ELEVATION IN A PASSIVE EXOSKELETON

Title (de)

VORRICHTUNG ZUM AUSGLEICH EINER SCHULTERELEVATION BEI EINEM PASSIVEN EXOSKELETT

Title (fr)

DISPOSITIF D'ÉQUILIBRAGE DE L'ÉLEVATION DES ÉPAULES D'UN EXOSQUELETTE PASSIF

Publication

EP 3898126 A1 20211027 (DE)

Application

EP 19806287 A 20191127

Priority

- EP 18212835 A 20181217
- EP 2019082690 W 20191127

Abstract (en)

[origin: WO2020126360A1] An exoskeleton (10) for supporting at least one arm (20) of a user (AW), comprising a torso attachment device (30) for releasably connecting the exoskeleton (10) to a torso (OK) of the user (AW), a holder (9) for connection to the torso attachment device (30), a lifting rod (7) that is reversibly movable relative to the holder (9) in a first direction (A) and a second direction (B), a boom (4) for releasable connection to the arm (20) of the user (AW), and a ratchet mechanism (1) for connecting a first end (7a) of the lifting rod (7) to a first end (4a) of the boom (4), thus making it possible to selectively set the boom (4) to perform a repeated sectorial rotary movement in a first direction of rotation (E) and to prevent the boom (4) from moving in a second direction of rotation (F).

IPC 8 full level

B25J 9/00 (2006.01); **A61F 5/01** (2006.01); **A61F 5/37** (2006.01); **A61H 1/02** (2006.01)

CPC (source: EP US)

A61F 5/013 (2013.01 - EP US); **A61F 5/3753** (2013.01 - EP US); **A61H 1/0281** (2013.01 - US); **B25J 9/0006** (2013.01 - EP); **A61F 2005/0139** (2013.01 - US); **A61F 2005/0144** (2013.01 - US); **A61F 2005/0146** (2013.01 - EP); **A61F 2005/0148** (2013.01 - US); **A61H 2201/1616** (2013.01 - US)

Citation (search report)

See references of WO 2020126360A1

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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