

Title (en)

A power transfer device for wheelchair mobility on inclined planes

Title (de)

Leistungsübertragungsvorrichtung für Rollstuhlmobilität auf geneigten Ebenen

Title (fr)

Dispositif de transfert de puissance pour la mobilité d'un fauteuil roulant sur des plans inclinés.

Publication

EP 2564824 A3 20131016 (EN)

Application

EP 12179466 A 20120807

Priority

IT BO20110504 A 20110829

Abstract (en)

[origin: EP2564824A2] A power transfer device for the mobility of a wheelchair for the physically challenged on inclined planes comprises a winch (58) driven by a motor (60). The winch (58) comprises a belt reel (62) rotationally connected to the motor (60), a drive belt (64) wound round the reel (62) and equipped with at least one hook (66) for fastening to the wheelchair (2), and a control unit (68) for driving the motor (60). The power transfer device also comprises a command device (70) which can be connected to the control unit (68) and which can be operated manually by a user in order to allow the user to adjust the advancing speed of the wheelchair (2) in real time.

IPC 8 full level

A61G 3/06 (2006.01); **A61G 3/08** (2006.01); **B60P 1/43** (2006.01); **B66B 9/06** (2006.01)

CPC (source: EP)

A61G 3/061 (2013.01); **A61G 3/0808** (2013.01); **A61G 2203/12** (2013.01); **A61G 2220/14** (2013.01)

Citation (search report)

- [IY] US 5553548 A 19960910 - EATON KENNETH C [CA]
- [Y] GB 2451154 A 20090121 - BROTHERWOOD RODNEY JOHN [GB]

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JP2019081619A; DE102019217683A1; JP2018095440A; JP2020142893A; JP2019524386A; AU2017268812B2; CN109640916A; CN113397843A; EP3981372A1; WO2014185962A3; WO2017194964A3; WO2017153745A3; WO2017205696A1; US11191681B2; US11660238B2; WO2016142717A1; WO2022024905A1

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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DOCDB simple family (application)

EP 12179466 A 20120807; IT BO20110504 A 20110829