

Title (en)
MULTIFUNCTIONAL WHEELCHAIR

Title (de)
MULTIFUNKTIONALER ROLLSTUHL

Title (fr)
FAUTEUIL ROULANT MULTIFONCTIONNEL

Publication
EP 3777807 A1 20210217 (EN)

Application
EP 18914174 A 20180502

Priority

- CN 201810331080 A 20180413
- CN 2018085247 W 20180502

Abstract (en)

Provided is a multifunctional wheelchair, including a base (1) with wheels (17), and an adjustable lifting device (2) connected above the base (1). The adjustable lifting device (2) includes a seat plate (3), a backrest (4) hinged to a rear end of the seat plate (3), a lower connecting plate (5) connected to the base (1), and a support structure (6) hinged between the seat plate (3) and the lower connecting plate (5). The support structure (6) includes a front support bar assembly (61) and a rear support bar assembly (62). The adjustable lifting device (2) further includes a driving mechanism for driving the rotation of the support structure (6) and/or for driving the lifting of the seat plate (3). The driving mechanism can produce a rotary motion or a linear motion, so that a parallelogram mechanism formed by the seat plate (3), the front support bar assembly (61), the lower connecting plate (5), and the rear support bar assembly (62) is in an unfolded state or a stored state. Due to the structure that the base (1) is matched with the adjustable lifting device (2), a height and an angle of the wheelchair body both can be adjusted, which has wider applicability. The wheelchair is suitable for beds of various heights and meets various usage requirements of lying, sitting, moving, folding and so on.

IPC 8 full level
A61G 5/08 (2006.01)

CPC (source: CN EP KR RU)
A61G 5/006 (2013.01 - CN EP KR); **A61G 5/08** (2013.01 - RU); **A61G 5/0833** (2016.11 - KR); **A61G 5/085** (2016.11 - CN KR); **A61G 5/0866** (2016.11 - CN EP KR); **A61G 5/0875** (2016.11 - CN KR); **A61G 5/1002** (2013.01 - CN KR); **A61G 5/1059** (2013.01 - EP); **A61G 5/1064** (2013.01 - KR); **A61G 5/1067** (2013.01 - KR); **A61G 5/1094** (2016.11 - CN KR); **A61G 5/121** (2016.11 - CN KR); **A61G 5/125** (2016.11 - CN); **A61G 5/127** (2016.11 - CN); **A61G 5/0875** (2016.11 - EP); **A61G 5/1002** (2013.01 - EP); **A61G 5/1094** (2016.11 - EP); **A61G 2200/32** (2013.01 - KR); **A61G 2200/34** (2013.01 - KR); **A61G 2203/70** (2013.01 - KR)

Cited by
CN113101071A

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

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