

Title (en)

WHEELCHAIR, IN PARTICULAR MANUAL WHEELCHAIR FOR BARIATRIC OR HEAVY-DUTY USE

Title (de)

ROLLSTUHL, INSBESONDERE MANUELLER ROLLSTUHL FÜR BARIATRISCHE ODER INTENSIVE BEANSPRUCHUNG

Title (fr)

FAUTEUIL ROULANT, EN PARTICULIER FAUTEUIL ROULANT MANUEL POUR UTILISATION BARIATRIQUE OU INTENSIVE

Publication

**EP 3581163 A1 20191218 (EN)**

Application

**EP 18177705 A 20180614**

Priority

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Abstract (en)

There is described a wheelchair (1), in particular a manual wheelchair for bariatric or heavy-duty use, comprising a wheelchair chassis (30), a seating area (10), a backrest (20), as well as front wheels (45) and rear wheels (40), said backrest (20) comprising a backrest frame (21) supported onto the wheelchair chassis (30). According to the invention, the wheelchair (1) further comprises a rolling support structure (60) provided at a rear portion of the wheelchair (1) to support the wheelchair (1) in an upright position in which the wheelchair (1) is tilted back and is supported by the rolling support structure (60) to allow displacement of the wheelchair (1) in the upright position. The rolling support structure (60) includes at least three, in particular four, rolling elements (61, 62) providing rolling support for the wheelchair (1) in the upright position. The rolling elements (61, 62) preferably provide omnidirectional rolling support for the wheelchair (1) in the upright position, and may in particular be ball casters

IPC 8 full level

**A61G 5/10** (2006.01); **A61G 5/12** (2006.01); **A61G 5/14** (2006.01); **A61G 7/10** (2006.01)

CPC (source: EP)

**A61G 5/104** (2013.01); **A61G 5/1072** (2013.01); **A61G 5/1089** (2016.10); **A61G 5/1097** (2016.10); **A61G 5/122** (2016.10); **A61G 5/14** (2013.01); **A61G 7/1038** (2013.01); **A61G 5/1054** (2016.10); **A61G 2200/16** (2013.01)

Citation (applicant)

- US 2014252747 A1 20140911 - HERMES JANE [US]
- WO 2014020377 A1 20140206 - INVACARE INT SARL [CH], et al
- WO 2014020378 A1 20140206 - INVACARE INT SARL [CH], et al
- US 5455988 A 19951010 - MARRACCINI MARCO [IT]
- US 2015113765 A1 20150430 - PERRY LEELUND [US]

Citation (search report)

- [XAI] EP 1205172 A2 20020515 - SOCINSER 21 S A [ES]
- [A] DE 202009004967 U1 20091119 - FREERIDER CORP [TW]
- [A] US 5181733 A 19930126 - TAGUE GEORGE E [US]
- [A] WO 03065959 A2 20030814 - GABRIELI RUTY [IL]
- [A] GB 2130154 A 19840531 - INVACARE CORP

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

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