

Title (en)

Backrest unit for seat assemblies, in particular for wheelchairs or stand-up wheelchairs; wheelchair and stand-up wheelchair.

Title (de)

Rückenlehneneinheit für Sitzeinrichtungen, insbesondere für Roll- und Aufrichtrollstühle; Rollstuhl und Aufrichtrollstuhl

Title (fr)

Ensemble de dossier pour ensembles de siège, notamment pour fauteuil roulant ou fauteuil roulant aidant le patient à se mettre debout; fauteils roulants de ces types.

Publication

EP 1772131 A1 20070411 (DE)

Application

EP 06405429 A 20061006

Priority

CH 16282005 A 20051010

Abstract (en)

The backrest (25) can be moved inside a u-shaped frame (13) to be rotated around a transversally positioned bar (11) at its lower end. The unit (13,25) is moved by a linear drive (33) also reducing and increasing the height of the lower segment of the backrest (17,21). A strap (43) is guided from a stationary part (45) of the drive (33) to the upper bar (17) of the frame causing the backrest (25) and the armrests (29) to move simultaneously. Stabilizing units (51) keep the armrests (29) in a horizontal position. **ETAILED DESCRIPTION** - An independent claim is given for a wheelchair comprising the balancing and stabilizing mechanism.

IPC 8 full level

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

CPC (source: EP US)

A61G 5/1067 (2013.01 - EP US); **A61G 5/12** (2013.01 - EP US); **A61G 5/125** (2016.10 - EP US); **A61G 5/14** (2013.01 - EP US); **A61G 2203/74** (2013.01 - EP US); **Y10S 297/04** (2013.01 - EP US)

Citation (search report)

- [X] US 6212713 B1 20010410 - KUCK JAY L [US], et al
- [X] US 6158810 A 20001212 - GALLOWAY ROBERT [US]
- [A] US 5634688 A 19970603 - ELLIS WALTER J [US]
- [A] US 2005088024 A1 20050428 - ROZAIESKI MICHAEL J [US], et al
- [DA] EP 0960614 A2 19991201 - KUGLE A S [DK]

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Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1772131 A1 20070411; CH 699172 B1 20100129; US 2007085396 A1 20070419; US 7419216 B2 20080902

DOCDB simple family (application)

EP 06405429 A 20061006; CH 16282005 A 20051010; US 54546606 A 20061010