

Title (en)

Wheelchair fixing apparatus and wheelchair

Title (de)

Rollstuhlfixierungsvorrichtung und Rollstuhl

Title (fr)

Appareil de fixation de fauteuil roulant et fauteuil roulant

Publication

EP 2042143 A1 20090401 (EN)

Application

EP 07019142 A 20070928

Priority

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Abstract (en)

A wheelchair fixing apparatus (2) according to the present invention includes belts (21) having connecting members (23) which can be attached to and detached from fixing hardware pieces (3) installed on a floor and winding devices (22) for winding up and accommodating the belts (21) and the winding devices (22) are disposed on the wheelchair (1). Therefore, the fixing hardware pieces (3) to which the belts (21) are connected through the connecting members (23) suffice as the floor-side equipment. Moreover, with this apparatus, a user of the wheelchair can perform the fixing operation by himself/herself. Even when a caretaker performs the operation, the burden on the caretaker in performing the operation can be reduced. Furthermore, the apparatus need not be carried by the caretaker, nor need it be ready in advance in a place where the wheelchair (1) is to be fixed.

IPC 8 full level

A61G 3/08 (2006.01)

CPC (source: EP)

A61G 3/0808 (2013.01)

Citation (applicant)

- JP 2004249140 A 20040909 - AUTECH JAPAN INC
- JP 2001212179 A 20010807 - ANKURA JAPAN KK
- DE 2826204 A1 19800313 - GUSTAV BRUNS MASCHINENBAU UND
- EP 0038073 A1 19811021 - LINDEROTH HANS

Citation (search report)

- [X] DE 2826204 A1 19800313 - GUSTAV BRUNS MASCHINENBAU UND
- [X] EP 0038073 A1 19811021 - LINDEROTH HANS

Citation (examination)

- US 5888038 A 19990330 - DITCH JAMES A [US], et al
- DE 3532219 A1 19870319 - JUNGFAK ANKRA GMBH [DE]
- US 5026225 A 19910625 - MCINTYRE JACK L [US]

Cited by

EP3293059A1

Designated contracting state (EPC)

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