

Title (en)

ELECTRICAL CHAIR FOR TRANSPORTING DISABLED PEOPLE BY AN ACCOMPANYING PERSON

Title (de)

ELEKTRISCH ANGETRIEBENER STUHL ZUM TRANSPORT VON BEHINDERTEN DURCH EINE BEGLEITPERSON

Title (fr)

FAUATEUIL ELECTRIQUE POUR LE TRANSPORT DES HANDICAPES PAR UN ACCOMPAGNATEUR

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2006087433A1] The invention relates to a new design of an electrically assisted wheelchair provided at the rear with a handlebar comprising a brake handle (16) and a speed variator (17) for being driven by an accompanying person. Being light and completely foldable, it can be transported in the trunk of a car or easily stored. It is comprised of a light and foldable chassis of which the H-shaped base (1) accommodates an oscillating motor unit (2), two driving wheels (3), this assembly being controlled by a shock absorber (4), and accommodates a plate (5) that supports a small battery (6). A footrest (8) and two wheels (7) are mounted at the front. On either side, two angled arms (10), which are articulated in their attachments (9) support and move forward the seat (11), the adjustable seatback (12) and the two armrests (13). The locking of the seat assembly in a horizontal position is ensured by two arms (19). The upper part is comprised of a control device (14) with two handles (15), i.e. a brake handle (16) and a speed variator handle (17), the height of this control device being able to adjusted according to the height of the accompanying person. This chair is easy to fold and stow. It also provides a solid structure that does not diminish by being subjected to intensive folding and unfolding. Its system enables it to support heavy loads. Its balance and stability are optimal due to a base that provides a very low center of gravity.

IPC 8 full level

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CPC (source: EP US)

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