

Title (en)

Suspension system for a mid-wheel drive wheelchair

Title (de)

Aufhängungssystem für einen Mittelrad angetriebenen Rollstuhl

Title (fr)

Système de suspension pour chaise roulante motorisée à roue centrale

Publication

**EP 2716268 A3 20150422 (EN)**

Application

**EP 13187328 A 20131004**

Priority

- NL 2009570 A 20121004
- NL 2010866 A 20130527

Abstract (en)

[origin: EP2716268A2] The invention relates to a mid wheel drive wheelchair, comprising a frame and a suspension unit connected thereto for at least one drivable wheel element. The suspension unit comprises a first bearing arm connected to the frame for the drivable wheel element. A first end of the first bearing arm is pivotably connected to the frame, wherein the drivable wheel element is rotatably mountable near a part of the first bearing arm which is spaced apart from the first end. The suspension unit is provided with a spring and/or damper element connected to the frame for damping a pivoting motion of the first bearing arm. The suspension unit comprises a second bearing arm for a rear supporting wheel element, wherein a first end of the second bearing arm is pivotably connected to the first bearing arm. The spring and/or damper element is thereby also configured for damping a pivoting motion of the second bearing arm. According to an aspect of the invention the suspension unit comprises a front bearing arm for a front supporting wheel element. A first end of this front bearing arm is pivotably connected to the first bearing arm. Additionally, the front spring and/or damper element is configured for damping a pivoting motion of the front bearing arm.

IPC 8 full level

**A61G 5/04** (2013.01); **A61G 5/10** (2006.01)

CPC (source: EP)

**A61G 5/043** (2013.01); **A61G 5/1078** (2016.10); **A61G 5/1089** (2016.10)

Citation (search report)

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DOCDB simple family (application)

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