

Title (en)

A steering means and quick release arrangement for a wheelchair

Title (de)

Steuervorrichtung und schnell lösbare Vorrichtung für einen Rollstuhl

Title (fr)

Moyen de direction et système de fixation rapide pour un fauteuil roulant

Publication

EP 1627619 A3 20060517 (EN)

Application

EP 05255069 A 20050816

Priority

- GB 0418198 A 20040816
- GB 0418199 A 20040816

Abstract (en)

[origin: EP1627619A2] A wheelchair 1 is adapted for one handed operation by incorporation of a foot operated steering means that allows a user to steer a steerable castor 6 by swivelling a footplate 8. A drive means 15 between footplate 8 and the steerable castor 6 is adapted to translate an angle of swivel of the footplate 8 about a swivelling axis 14 to a greater angle of rotation of the steerable castor 6 about a steering axis 21. Typically the ratio of footplate swivel to steerable castor rotation is around 1:2. The wheelchair 1 also has a drive wheel 3 incorporating a differential 41 that allows both drive wheels 3, 4 of the wheelchair 1 to be driven from just one hand rim 42. The drive wheel 3 has a brake 59 for locking the differential 41 such that the wheelchair 1 can pirouette on the spot. Both the differential 41 and the brake 59 are incorporated in a quick release arrangement, such that the drive wheel 3 can be easily removed from the wheelchair 1 for transport and stowage.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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