

Title (en)

FOLDABLE WHEELCHAIR AND AXLE PLATE THEREFOR

Title (de)

ZUSAMMENKLAPPBARER ROLLSTUHL UND ACHSPLATTE DAFÜR

Title (fr)

FAUTEUIL ROULANT PLIABLE ET PLAQUE D'AXE ASSOCIEE

Publication

EP 1824724 B1 20110817 (EN)

Application

EP 05812565 A 20051020

Priority

- US 2005038052 W 20051020
- US 62148904 P 20041022

Abstract (en)

[origin: WO2006047343A2] A foldable wheelchair comprises a substantially horizontally extending upper side frame member. An upper end of an axle plate is secured to the upper side frame member. An axle housing is secured to the axle plate. A cross brace is pivotally secured directly to the axle plate at the lower end of the axle plate. A wheel mount assembly comprises an axle sleeve mount having an internal thread. An axle sleeve has an external thread that is in threaded engagement with the internal thread of the axle sleeve mount. The axle sleeve has an internal bore that accepts a wheel axle. The internal bore is angled with respect to the axis of the external threads to provide camber to a wheel. The axle sleeve is adapted to provide lateral adjustment to the wheel by rotating the axle sleeve within the axle sleeve mount any number of complete revolutions. Moreover, the axle sleeve is adapted to provide toe in and toe out adjustment to a cambered wheel by rotating the axle sleeve within the axle sleeve mount a fraction of a complete revolution.

IPC 8 full level

B62M 1/14 (2006.01); **B62D 17/00** (2006.01)

CPC (source: EP)

A61G 5/08 (2013.01); **A61G 5/0825** (2016.10); **A61G 5/10** (2013.01); **A61G 5/1054** (2016.10); **A61G 5/1097** (2016.10); **A61G 5/128** (2016.10)

Citation (examination)

US 4989890 A 19910205 - LOCKARD WALTER G [US], et al

Cited by

USD976763S; US11559459B2; US11766378B2

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

WO 2006047343 A2 20060504; **WO 2006047343 A3 20070419**; EP 1824724 A2 20070829; EP 1824724 A4 20081015; EP 1824724 B1 20110817

DOCDB simple family (application)

US 2005038052 W 20051020; EP 05812565 A 20051020