

Title (en)  
Wheelchair.

Title (de)  
Rollstuhl.

Title (fr)  
Chaise roulante.

Publication  
**EP 0404574 A2 19901227 (EN)**

Application  
**EP 90306802 A 19900621**

Priority  
US 36964589 A 19890621

Abstract (en)  
A reclining seat back assembly for a wheelchair (10) includes a frame member (36) having a pair of side posts (42) pivotally connected to the wheelchair chassis (12). Each side post (42) has a rearwardly extending handle (52) at its upper end. A pair of extendable struts (62) each include a hollow outer strut (64) member pivotally connected to the chassis (12) and an inner strut (66) member pivotally connected to one of the side posts (42) and received in the outer strut member (64). The struts (62) contract as the seat back (34) is pivoted toward a reclined position and extend as the seat back (34) is pivoted toward an upright position. Mounted on each outer strut (64) member is a locking mechanism that includes an engaging member (84) having a first engaging surface (82) with a profile complementary to a second engaging surface (86) on the lower end of the inner strut member (66). A spring (90) biases each engaging member (84) into engagement with its respective inner strut member (66). The engaging members (84) are released from the inner strut members (66) by actuating levers (104) mounted on the side posts (42) immediately beneath the handles (52). The actuating levers (104) are connected to the engaging members (84) by Bowden cable assemblies (108). In addition, the seat back is urged toward the upright position by a pair of spring-loaded link assemblies (122) each having a lower end pivotally connected to the wheelchair chassis (12) and an upper end pivotally connected to a lever arm (120) extending from the lower end of a side post (42).

IPC 1-7  
**A61G 5/10; A61G 5/12**

IPC 8 full level  
**A47C 1/024** (2006.01); **A61G 5/00** (2006.01); **A61G 5/02** (2006.01); **A61G 5/12** (2006.01)

CPC (source: EP)  
**A61G 5/1054** (2016.10); **A61G 5/1067** (2013.01); **A61G 5/12** (2013.01); **A61G 5/125** (2016.10)

Cited by  
US6224156B1; WO0069385A1; WO9939676A1

Designated contracting state (EPC)  
DE SE

DOCDB simple family (publication)  
**GB 2256132 A 19921202; GB 2256132 B 19930310; GB 9215565 D0 19920902**; DE 69013586 D1 19941201; DE 69013586 T2 19950302; DE 69023251 D1 19951130; DE 69023251 T2 19960404; EP 0404574 A2 19901227; EP 0404574 A3 19911030; EP 0404574 B1 19941026; EP 0608964 A1 19940803; EP 0608964 B1 19951025; FR 2648705 A1 19901228; FR 2648705 B1 19971226; GB 2233221 A 19910109; GB 2233221 B 19930303; GB 9013865 D0 19900815; JP H0337063 A 19910218

DOCDB simple family (application)  
**GB 9215565 A 19920722**; DE 69013586 T 19900621; DE 69023251 T 19900621; EP 90306802 A 19900621; EP 94200726 A 19900621; FR 9007795 A 19900621; GB 9013865 A 19900621; JP 16396090 A 19900621