

Title (en)  
Reclining seat back assembly for a wheelchair.

Title (de)  
Verstellbare Rückenlehne für einen Rollstuhl.

Title (fr)  
Dossier réglable pour chaise roulante.

Publication  
**EP 0608964 A1 19940803 (EN)**

Application  
**EP 94200726 A 19900621**

Priority  
• EP 90306802 A 19900621  
• US 36964589 A 19890621

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

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**A61G 5/12**

IPC 8 full level  
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CPC (source: EP)  
**A61G 5/1054** (2016.10); **A61G 5/1067** (2013.01); **A61G 5/12** (2013.01); **A61G 5/125** (2016.10)

Citation (search report)  
• [Y] DE 7235052 U  
• [Y] US 2792876 A 19570521 - EMARY ROBERT J  
• [A] DE 2545991 A1 19760429 - LANDSTINGENS INKOPSCENTRAL  
• [A] FR 2454800 A1 19801121 - ORTOPEDIA GMBH [DE]  
• [A] DE 2540054 A1 19770317 - EVEREST & JENNINGS  
• [A] DE 8711762 U1 19871105

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**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

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