

Title (en)  
BACKREST ASSEMBLY AND WHEELCHAIR THEREWITH

Title (de)  
RÜCKENLEHNENANORDNUNG UND ROLLSTUHL DAMIT

Title (fr)  
ENSEMBLE DE DOSSIER ET FAUTEUIL ROULANT ASSOCIÉ

Publication  
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Application  
**EP 19213638 A 20191204**

Priority  
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Abstract (en)  
The invention relates to backrest assembly (1) of a seat of a chair, in particular a wheelchair, comprising: a backrest for supporting the back of a person; two hollow backrest tubes (1.14) connecting the backrest to the seat, in particular seat frame tubes (1.15), on each side of the seat; at least two joints (4.1) for allowing a movement of the backrest tubes (1.14) between at least a first end position and a second end position relative to the seat; two locking means (2.3) for locking and/or unlocking the joints (4.1); and at least one hollow handle tube (1.13) carrying a handle (1.9, 1.10), which is arranged in the middle between the backrest tubes (1.14) and is mechanically connected to the locking means (2.3) via cables (1.3) running substantially inside the hollow tubes (1.14, 1.13). The handle (1.9, 1.10) is providing a twist lock (1.1), with the twist lock (1.1) having only one idle position in which the locking means (2.3) is locked and being adapted to unlock the locking means (2.3) upon rotation of the handle (1.9, 1.10), and is suited to move the backrest tubes (1.14) via the joints (4.1) by pushing or pulling after unlocking, wherein the handle (1.9, 1.10) is adapted to be rotated by a user only in one direction, preferably forwards, towards the front of the chair, for unlocking the locking means (2.3) in any one of the end positions, and the handle (1.9, 1.10) is adapted to automatically re-lock after unlocking the locking means (2.3) and releasing the grip, such that rotating and pushing or pulling of the handle (1.9, 1.10) can be achieved by gripping the handle (1.9, 1.10) by one hand of an user, without releasing the respective grip of the handle (10; 100). The present invention also relates to a wheelchair with such a backrest assembly.

IPC 8 full level  
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CPC (source: EP)  
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Citation (applicant)  
• US 7100988 B1 20060905 - HYSLOP WILLIAM J [US]  
• EP 19176813 A 20190527

Citation (search report)  
• [Y] FR 2845893 A1 20040423 - INVACARE POIRIER SA [FR]  
• [Y] EP 1319381 A2 20030618 - BRUSTMANN HERBERT [DE]  
• [E] EP 3578151 A1 20191211 - SUNRISE MEDICAL GMBH [DE]

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