

Title (en)

Powered rocker and glider recliner linkage mechanisms

Title (de)

Verbindungsmechanismen für angetriebenen Schaukel- und Lehnstuhl

Title (fr)

Mécanismes de liaison assistée pour fauteuil à bascule et fauteuil inclinable à patins

Publication

EP 2878229 B1 20160928 (EN)

Application

EP 14197648 A 20110106

Priority

- US 29555410 P 20100115
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- US 87049810 A 20100827
- US 98117610 A 20101229
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Abstract (en)

[origin: WO2011087955A1] Rocker-recliner-style and glider-recliner-style seating units that include linkage mechanisms for adjusting the respective seating units between closed, extended, and reclined positions are provided. The seating units are each powered by a linear actuator that facilitates automated adjustment of the respective linkage mechanisms. This adjustment of the linear actuator is sequenced into a first phase and a second phase. A stroke of the linear actuator in the first phase acts to adjust a linkage mechanism between the closed and extended positions by extending or retracting ottoman(s) attached to a footrest assembly. A stroke in the second phase acts to adjust a linkage mechanism between the extended and reclined positions by translating a seat-mounting plate forward or rearward at a consistent inclination angle while, concurrently, tilting a back-mounting link. Accordingly, the phase sequencing ensures that each linkage mechanism commences adjustment within the second phase only once the first-phase adjustment is substantially complete.

IPC 8 full level

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CPC (source: EP US)

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