

Title (en)
POWERED ROCKER AND GLIDER RECLINER LINKAGE MECHANISMS

Title (de)
ANGETRIEBENER SCHAUKELSTUHL- UND FERNSEHSTUHLVERBINDUNGSMECHANISMUS

Title (fr)
MÉCANISMES DE LIAISON ASSISTÉE POUR FAUTEUIL À BASCULE ET FAUTEUIL INCLINABLE À PATINS

Publication
EP 2523578 A4 20131225 (EN)

Application
EP 11733214 A 20110106

Priority

- US 29555410 P 20100115
- US 29554610 P 20100115
- US 87049810 A 20100827
- US 98117610 A 20101229
- US 2011020387 W 20110106

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
A47C 1/031 (2006.01); **A47C 1/0355** (2013.01); **A47C 3/027** (2006.01)

CPC (source: EP US)
A47C 1/0355 (2013.01 - EP); **A47C 3/027** (2013.01 - EP US)

Citation (search report)

- [X] US 2003047973 A1 20030313 - PELLERIN RENE [CA]
- [A] US 2009174251 A1 20090709 - LAWSON GREGORY MARK [US], et al
- See references of WO 2011087955A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2011087955 A1 20110721; AU 2011205500 A1 20120607; AU 2011205500 B2 20150528; AU 2015218473 A1 20150917; AU 2015218473 B2 20170119; CA 2781057 A1 20110721; CA 2781057 C 20180918; CN 102133005 A 20110727; CN 102133005 B 20160217; EP 2523578 A1 20121121; EP 2523578 A4 20131225; EP 2523578 B1 20150617; EP 2878229 A1 20150603; EP 2878229 B1 20160928; ES 2544286 T3 20150828; ES 2609252 T3 20170419; MX 2012008208 A 20120808; MX 337829 B 20160322

DOCDB simple family (application)
US 2011020387 W 20110106; AU 2011205500 A 20110106; AU 2015218473 A 20150826; CA 2781057 A 20110106; CN 201110021296 A 20110114; EP 11733214 A 20110106; EP 14197648 A 20110106; ES 11733214 T 20110106; ES 14197648 T 20110106; MX 2012008208 A 20110106