

Title (en)
SEATING FURNITURE HAVING MOVABLE BACKREST

Title (de)
SITZMÖBEL MIT BEWEGLICHER RÜCKENLEHNE

Title (fr)
MOBILIER D'ASSISE PRÉSENTANT UN DOSSIER MOBILE

Publication
EP 2420159 A4 20120912 (EN)

Application
EP 10764678 A 20100415

Priority
• KR 2010002364 W 20100415
• KR 20090032746 A 20090415

Abstract (en)
[origin: EP2420159A2] The present invention relates to seating furniture, and more specifically, to seating furniture having a movable backrest, which allows a user's back to be supported by a backrest at all times in order to enable seating with proper posture, and comprises: a lower frame which is connected to a support; an upper frame which is connected to the lower frame via a vertical displacement generation means; at least one elastic body which is installed between the lower frame and upper frame; a back and forth moving means which is formed at the edge of the left and right sides of the upper frame, and is connected to a backrest frame to move back and forth; a power generation unit which converts the displacement according to the descent of the upper frame into a straight line movement at the back and forth moving means if a load is applied to a seat unit combined to the upper frame, thereby moving the backrest frame forward; and a switching unit which switches to a half-lock state in which the backrest frame can move forward only if a load is applied to the seat unit, and to an unlock state in which the backrest frame can move backward if the load applied to the seat unit is removed.

IPC 8 full level
A47C 1/022 (2006.01); **A47C 1/024** (2006.01); **A47C 7/40** (2006.01)

CPC (source: EP KR US)
A47C 1/022 (2013.01 - KR); **A47C 1/023** (2013.01 - EP US); **A47C 7/40** (2013.01 - KR)

Citation (search report)
• [X] CN 1794932 A 20060628 - MANPLUS CO LTD [KR]
• [A] DE 2032464 A1 19720105 - BERGMANN R, et al
• [A] US 3720442 A 19730313 - BERGMANN R, et al
• [A] DE 10055951 A1 20010628 - IHD INST FUER HOLZTECHNOLOGIE [DE]
• See references of WO 2010120139A2

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
EP 2420159 A2 20120222; EP 2420159 A4 20120912; EP 2420159 B1 20140115; CN 102395296 A 20120328; JP 2012523886 A 20121011; JP 5544009 B2 20140709; KR 100919418 B1 20090929; US 2012038195 A1 20120216; WO 2010120139 A2 20101021; WO 2010120139 A3 20110324

DOCDB simple family (application)
EP 10764678 A 20100415; CN 201080017148 A 20100415; JP 2012505823 A 20100415; KR 20090032746 A 20090415; KR 2010002364 W 20100415; US 201013264867 A 20100415