

Title (en)  
SUPPORTING SPRING SYSTEM AND FURNITURE FOR SLEEPING, SITTING AND RECLINING COMPRISING A SUPPORTING SPRING SYSTEM

Title (de)  
UNTERFEDERUNG SOWIE SCHLAF-, SITZ- ODER LIEGEMÖBEL MIT UNTERFEDERUNG

Title (fr)  
SYSTÈME RESSORT ET LIT, SIÈGE OU MEUBLE DE COUCHAGE COMPORTANT UN SYSTÈME RESSORT

Publication  
**EP 2473080 B1 20130612 (DE)**

Application  
**EP 10745544 A 20100813**

Priority  
• DE 102009039321 A 20090831  
• DE 102009043009 A 20090928  
• EP 2010004987 W 20100813

Abstract (en)  
[origin: WO2011023307A1] The invention relates to a supporting spring system for furniture for sleeping, sitting or reclining, comprising a plurality of elongated, resilient carrier elements which have a longitudinal axis and which run parallel to each other, forming a common plane, and are mounted preferably on a frame or on longitudinal members. According to the invention, the carrier elements have at least one reinforcement that is spaced from the longitudinal axis and can be rotated about the longitudinal axis or about an axis parallel thereto so as to change the flexural stiffness of the elements against a force in the direction perpendicular to the common plane.

IPC 8 full level  
**A47C 23/06** (2006.01)

CPC (source: EP US)  
**A47C 23/002** (2013.01 - EP US); **A47C 23/06** (2013.01 - EP US)

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 SE SI SK SM TR

DOCDB simple family (publication)  
**DE 102009043009 A1 20110303**; CN 102573573 A 20120711; CN 102573573 B 20150923; EP 2473080 A1 20120711;  
EP 2473080 B1 20130612; ES 2425205 T3 20131014; US 2012168997 A1 20120705; US 8745783 B2 20140610; WO 2011023307 A1 20110303;  
WO 2011023307 A8 20110428

DOCDB simple family (application)  
**DE 102009043009 A 20090928**; CN 201080045568 A 20100813; EP 10745544 A 20100813; EP 2010004987 W 20100813;  
ES 10745544 T 20100813; US 201013392567 A 20100813