

Title (en)
SPRING ENERGY STORE APPARATUS, AND FURNITURE AND CLOSURE APPARATUS

Title (de)
FEDERSPEICHERVORRICHTUNG SOWIE MÖBEL UND VERSCHLUSSVORRICHTUNG

Title (fr)
ACCUMULATEUR A RESSORT AINSI QUE MEUBLE ET DISPOSITIF DE FERMETURE

Publication
EP 2001325 A1 20081217 (DE)

Application
EP 07722931 A 20070226

Priority
• EP 2007001619 W 20070226
• DE 102006016237 A 20060331

Abstract (en)
[origin: DE102006016237A1] The device has a helical spring arrangement (50) for storing spring force during actuation of a movable component by torsion of a helical spring-like torsion coil section (55) of the helical spring arrangement. A rod-like supporting device (48) e.g. rotary shaft, supports the helical spring arrangement with the torsion, where the supporting device engages in or pierces an inner area (89) of the helical spring arrangement. A pivot bearing device is rotatably supported on the supporting device, where the pivot bearing device supports the torsion coil section with the torsion.

IPC 8 full level
A47B 9/02 (2006.01); **A47B 27/06** (2006.01)

CPC (source: EP KR)
A47B 9/02 (2013.01 - EP KR); **A47B 9/12** (2013.01 - EP); **A47B 27/06** (2013.01 - EP KR); **F16F 1/06** (2013.01 - EP); **F16F 1/08** (2013.01 - EP); **F16F 2236/08** (2013.01 - EP)

Citation (search report)
See references of WO 2007115605A1

Designated contracting state (EPC)
DE IT

DOCDB simple family (publication)
DE 102006016237 A1 20071004; **DE 102006016237 B4 20180301**; CN 101415351 A 20090422; CN 101415351 B 20120704; EP 2001325 A1 20081217; JP 2009531095 A 20090903; KR 20080114710 A 20081231; RU 2008143235 A 20100510; RU 2412635 C2 20110227; WO 2007115605 A1 20071018

DOCDB simple family (application)
DE 102006016237 A 20060331; CN 200780012477 A 20070226; EP 07722931 A 20070226; EP 2007001619 W 20070226; JP 2009501881 A 20070226; KR 20087021492 A 20080902; RU 2008143235 A 20070226