

Title (en)

A hinge device for joining two objects in an articulated, spring-loaded manner

Title (de)

Eine Scharniervorrichtung zur gelenkigen, federbelasteten Verbindung von zwei Gegenständen

Title (fr)

Un dispositif de charnière pour assembler deux objets de manière articulée et à ressort

Publication

**EP 1825780 A1 20070829 (EN)**

Application

**EP 06388011 A 20060224**

Priority

EP 06388011 A 20060224

Abstract (en)

The hinge device for joining two objects in an articulated, springloaded manner comprises a first threaded rod, a first threaded tube and a spring element. The threaded rod has an outer thread corresponding to an inner thread of the threaded tube, the threaded rod and the threaded tube being movable axially in relation to each other by means of the corresponding threads. One of said threaded rod and said threaded tube is attachable to the first object such that it, in use, is retained against movement in its axial direction with respect to said first object and is able to rotate about its axis with respect to the other of said threaded rod and said threaded tube. The other of said threaded rod and said threaded tube is connectable to a second of said objects such that it, in use, is movable in its axial direction with respect to said first object and is retained against rotation about its axis with respect to said second object. The spring element is provided such that, in use, said axial movement of said other of said threaded rod and said threaded tube in said corresponding threads provides a spring force exerted by said first object on said second object.

IPC 8 full level

**A47C 3/026** (2006.01); **A47C 1/032** (2006.01); **E05F 1/12** (2006.01); **E05F 1/06** (2006.01)

CPC (source: EP US)

**A47C 1/03255** (2013.01 - EP); **A47C 1/03261** (2013.01 - EP US); **A47C 1/03266** (2013.01 - EP US); **A47C 1/03294** (2013.01 - EP); **E05F 1/066** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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DOCDB simple family (application)

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