

Title (en)

Suspension device for a bed base with adjustable stiffness

Title (de)

Lagerungsvorrichtung für einen Bettrahmen mit regulierbarer Steifigkeit

Title (fr)

Dispositif de suspension pour un sommier à raideur réglable

Publication

**EP 2526835 A1 20121128 (FR)**

Application

**EP 12169155 A 20120523**

Priority

FR 1154478 A 20110523

Abstract (en)

The device (10) has a lower section connected to an upper section by suspension units that are in the form of arched walls. An elastically deformable part (32) is movable between rigid and flexible positions in which an elastic body of the deformable part is respectively adapted and not adapted to realize an elastic coupling between the sections with a stiffness, when a pressure is applied on the device, for modifying the stiffness of the device. The deformable part traverses an opening formed in a plate (14) of the upper section such that the mobile part is actuated by an operator.

Abstract (fr)

L'invention concerne un dispositif de suspension (10,10', 10B, 10C, 110,210, 310, 410, 510, 510') pour un sommier ou une assise, comportant : # ¶ une section supérieure (12,12B, 12C, 112,212, 312, 412, 512) munie d'un plateau (14,14',114,214) apte à soutenir un matelas ; #¶ une section inférieure (20,20', 20B, 20C, 120, 220, 320, 420,520) comprenant des moyens permettant la fixation du dispositif de suspension au sommier, ladite section inférieure étant reliée à la section supérieure par des moyens de suspension (30,130,230) ; #¶ des moyens pour modifier la raideur du dispositif de suspension comportant un organe mobile (32, 32', 32B, 32C, 132, 132', 232, 332, 432, 540, 540'), l'organe mobile étant muni d'un moins un premier corps élastique.

IPC 8 full level

**A47C 23/06** (2006.01)

CPC (source: EP)

**A47C 23/064** (2013.01); **A47C 23/067** (2013.01)

Citation (applicant)

FR 2945195 A1 20101112 - TOURNADRE SA STANDARD GUM [FR]

Citation (search report)

- [XAI] DE 202004016392 U1 20050113 - HARTMANN SIEGBERT [DE]
- [X] EP 1364600 A1 20031126 - DELAHOUSSE ET FILS SA [FR]
- [AD] FR 2945195 A1 20101112 - TOURNADRE SA STANDARD GUM [FR]
- [X] DE 202005006530 U1 20050721 - HARTMANN SIEGBERT [DE]

Cited by

EP2792278A1; EP3400841A1; FR3066087A1; EP2873349A1; FR3012948A1; EP2803297A1; US10722042B2; US10932586B2

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2526835 A1 20121128; EP 2526835 B1 20141203**; ES 2533384 T3 20150409; ES 2556052 T3 20160112; FR 2975574 A1 20121130; FR 2975574 B1 20140613

DOCDB simple family (application)

**EP 12169155 A 20120523**; ES 12169155 T 20120523; ES 13168904 T 20130523; FR 1154478 A 20110523