

Title (en)
Spring support for mattresses

Title (de)
Unterfederung für Auflagen von Sitz- oder Liegemöbeln

Title (fr)
Système de ressort inférieur pour matelas

Publication
EP 1616507 B1 20100203 (DE)

Application
EP 05014951 A 20050711

Priority
DE 202004011233 U 20040716

Abstract (en)
[origin: EP1616507A1] Each of the slat holding elements (1, 14) located laterally at the bed frame (10) is supported from below by two elastic arms (9) positioned in an upturned v-shape (2) and bent twice (13) at their lower ends, which are screwed (4) to holding plates (6). U-shaped elastic elements (7) are also fixed to the holding plates (6) under the outer ends of two adjacent arms (9). When pressure is applied to one of the slats the bent area (13) of one of the arms (9) is compressed while the opposite arm (9) is guided under the curved outer end (8) of the u-shape (7), resulting in a compensating action.

IPC 8 full level
A47C 23/06 (2006.01)

CPC (source: EP)
A47C 23/064 (2013.01); **A47C 23/067** (2013.01)

Citation (examination)
DE 19746156 A1 19980514 - RECTICEL INT BETTSYSTEME GMBH [DE]

Cited by
EP2801295A1; EP3251557A1; DE102010018711A1; DE202013102024U1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1616507 A1 20060118; EP 1616507 B1 20100203; AT E456933 T1 20100215; DE 202004011233 U1 20040930; DE 502005008967 D1 20100325; ES 2339673 T3 20100524

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