

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 A1 20060118 (DE)

Application
EP 05014951 A 20050711

Priority
DE 202004011233 U 20040716

Abstract (en)
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 (applicant)
• US 5924149 A 19990720 - WEBER ERHARD [DE]
• EP 1221294 A1 20020710 - CREATIONS ANDRE RENAULT [FR]

Citation (search report)
• [XY] US 5924149 A 19990720 - WEBER ERHARD [DE]
• [Y] GB 1430590 A 19760331 - DULOP LTD
• [PX] DE 202004011233 U1 20040930 - HARTMANN SIEGBERT [DE]
• [A] DE 8905911 U1 19890629
• [A] US 2003196272 A1 20031023 - WEBER ERHARD [DE]
• [A] EP 1221294 A1 20020710 - CREATIONS ANDRE RENAULT [FR]
• [PA] DE 202004015976 U1 20050127 - HARTMANN SIEGBERT [DE]

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EP2801295A1; EP3251557A1; DE102010018711A1; DE202013102024U1

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