

Title (en)

Bed bottom with cross beams and resilient connecting pieces.

Title (de)

Untermatratze mit Querträgern und elastischen Verbindungsstücken.

Title (fr)

Sommier avec des travers et des raccords élastiques.

Publication

**EP 0111898 A1 19840627 (DE)**

Application

**EP 83112615 A 19831215**

Priority

- DE 3246983 A 19821218
- DE 3329953 A 19830819
- DE 3339763 A 19831103

Abstract (en)

1. Lower mattress with cross beams (16) as support for an upper mattress, where each cross beam is attached to the support frame of the lower mattress by means of a flexible connection piece that can be adjusted with respect to its spring strength, whereby each connection piece has a pre-selectable compression spring (21), characterized in that the compressing spring (21), as is common knowledge, can be adjusted by means of an adjustment screw (22), in that each connection piece consists of a spring plate (23, 17) arranged in a location borehole (11) of the support frame (1) and resting on the cross beam (16) with an outward-facing molding piece (24) to hold the compression springs (21), in that the location borehole (11) extends over a part of the thickness of the support frame (1), in that there is an internal screw thread sleeve (14) in a borehole (13) in the middle axis and above the spring plate (23) located in the support frame (1) and the adjustment screw (22) for adjusting the pre-selection of the compression springs (21) passes through this sleeve, and in that the lengthwise beams (2) of the support frame (1) are reinforced on their lower side by an additional beam (6), to which is affixed a measurement scale (8) for setting the pre-selection values of the compression springs (21).

Abstract (de)

Die Querträger 16 einer Untermatratze sind mittels eines in seiner Federstärke veränderbaren elastischen Verbindungsstückes am Auflegerahmen 1 verbunden. Damit für die einzelnen Körpergewichte die notwendigen Federvorspannwerte unmittelbar anhand einer Skala eingestellt werden können, besteht jedes Verbindungsstück aus einem in einer Aufnahmebohrung 11 des Auflegerahmens 1 angeordneten und am Querträger 16 anliegenden Federtellers 23, 17 mit einer außenwandigen Abkröpfung 24. Die Aufnahmebohrung 11 nimmt nur einen Teil der Dicke des Auflegerahmens 1 ein. In der Mittelachse und oberhalb des im Auflegerahmens 1 angeordneten Federtellers 23, 17 ist in einer Bohrung 13 eine Innengewindehülse 14 angeordnet, in welcher eine Verstellschraube 22 zur Verstellung der Vorspannung der Druckfeder 21 geführt ist.

IPC 1-7

**A47C 23/06**; **A47C 23/30**; **A47C 31/12**

IPC 8 full level

**A47C 23/06** (2006.01); **A47C 23/30** (2006.01); **A47C 31/12** (2006.01)

CPC (source: EP)

**A47C 23/063** (2013.01); **A47C 23/067** (2013.01); **A47C 31/123** (2013.01)

Citation (search report)

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