

Title (en)

Spring mattress using cross-supports and elastic connecting elements.

Title (de)

Untermatratze mit Querträgern und elastischen Verbindungsstücken.

Title (fr)

Sommier à supports transversaux et éléments de liaison élastiques.

Publication

EP 0078929 A2 19830518 (DE)

Application

EP 82109366 A 19821009

Priority

DE 3144548 A 19811110

Abstract (en)

1. Lower mattress with cross beams (13) as support for an upper mattress, where each cross beam is attached to the support frame (1) 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 compression spring (14) that can be preselected by means of an adjustment screw (6), characterized in that each connection piece consists of a lower telescopic sleeve (3) that is placed in a location borehole (2) of the support frame (1) to which it is firmly attached and which is for holding the adjustment screw (6) and the lower part of the compression spring (14) and it also consists of an upper telescope sleeve (9) attached to the lower one, the former of which is firmly attached to the cross beam (13) and it holds the upper part of the compression spring (14), whereby both of the telescopic sleeves (3, 9) are connected to each other in such a way that the upper sleeve (9) is limited in its motion upwards by the adjusted pressure of the compression spring (14).

Abstract (de)

Die Querträger (13) einer Untermatratze sind mittels eines in seiner Federstärke veränderbaren elastischen Verbindungsstückes am Auflagerahmen (1) verbunden. Damit die Vorspannung der Federung und der Federweg so vergrößert werden, daß sie für alle vorkommenden Federgewichte ausreichend sind, besteht jedes Verbindungsstück aus einer unteren und einer oberen Teleskophülse (3,9). Beide Hülsen sind so miteinander verbunden, daß die obere Hülse in ihrer Bewegung nach oben durch den Einstelldruck der Druckfeder begrenzt ist. Die Einstellung erfolgt durch eine Einstellmutter in der unteren Hülse.

IPC 1-7

A47C 23/06; **A47C 23/30**

IPC 8 full level

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

CPC (source: EP)

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

Cited by

EP1185188A4; EP0716822A1; AT391608B; EP1013199A1; FR2787690A1; FR2666495A1; BE1006008A3; FR2575378A1; US5332202A; US5414874A; US5435023A; WO9214621A1; EP0846431A2; EP0850579A2

Designated contracting state (EPC)

AT BE CH DE FR GB LI NL

DOCDB simple family (publication)

EP 0078929 A2 19830518; **EP 0078929 A3 19840801**; **EP 0078929 B1 19870304**; AT E25574 T1 19870315; DE 3144548 A1 19830519; DE 3144548 C2 19850905; DE 3275498 D1 19870409

DOCDB simple family (application)

EP 82109366 A 19821009; AT 82109366 T 19821009; DE 3144548 A 19811110; DE 3275498 T 19821009