

Title (en)

SUPPORT ELEMENT FOR A CUSHION COVER FOR SEATING AND LYING AREAS

Title (de)

LAGERELEMENT FÜR EINE POLSTERAUFLAGE VON SITZ- UND LIEGEFLÄCHEN

Title (fr)

ÉLÉMENT D'APPUI POUR SUPPORT DE REMBOURRAGE DE SURFACES D'ASSISE ET DE SURFACES DE COUCHAGE

Publication

EP 2139366 B1 20120516 (DE)

Application

EP 07857780 A 20071219

Priority

- EP 2007064156 W 20071219
- DE 202007000005 U 20070402

Abstract (en)

[origin: WO2008119400A1] The invention relates to a support element for a cushion cover for seating and lying areas, preferably for mattresses, comprising a baseplate that can be fixed to a base, and at least one spring element formed by a plurality of spring arms and extending upward from the baseplate (2) in the direction of the cushion cover, wherein the spring arms each are provided with a substantially U-shaped corrugated spring element on the upper ends thereof, oriented away from the baseplate, said corrugated spring element comprising at least two parallel spaced spring legs located on concentric ring tracks and disposed about the central axis of the support element and at least one connecting bar joining the spring legs, one end of the spring leg located on the inner ring track being connected to the corresponding spring arm, and one end of the spring leg located on the outer ring track being connected to the support plate provided for supporting the cushion element. According to the invention, the support plate (14) comprises a ring-shaped frame part (15) connecting the upper ends of the spring legs (11, 12) of the corrugated spring elements (7) and a support disc (16) rotatable about the central axis (8) of the support element (1) in the frame part (15), wherein the support disc (16) is provided in the outer edge region thereof with an adjusting device for limiting the movement of the spring legs (11 and 12) of the corrugated spring elements (7).

IPC 8 full level

A47C 23/00 (2006.01)

CPC (source: EP US)

A47C 7/027 (2013.01 - EP US); **A47C 23/002** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 202007000005 U1 20080508; CN 101652086 A 20100217; CN 101652086 B 20121107; DK 2139366 T3 20120827; EP 2139366 A1 20100106; EP 2139366 B1 20120516; ES 2386208 T3 20120813; PL 2139366 T3 20121031; US 2010058536 A1 20100311; US 8256043 B2 20120904; WO 2008119400 A1 20081009

DOCDB simple family (application)

DE 202007000005 U 20070402; CN 200780052446 A 20071219; DK 07857780 T 20071219; EP 07857780 A 20071219; EP 2007064156 W 20071219; ES 07857780 T 20071219; PL 07857780 T 20071219; US 59434607 A 20071219