

Title (en)

Elastic support for the slats of a slatted bed base

Title (de)

Elastischer Stützkörper, insbesondere für die Abstützung von Querlatten eines Lattenrostes

Title (fr)

Support élastique pour les lattes d'un sommier à lattes

Publication

EP 0519321 B1 19970903 (DE)

Application

EP 92109816 A 19920611

Priority

DE 9107475 U 19910617

Abstract (en)

[origin: EP0519321A1] An elastic support, in particular for supporting transverse slats of a slatted bed base for a bed or similar resting device, which support comprises a hollow profile (12) which can be supported with its underside on a bearing surface (3) and consists of elastomeric material, is constructed in such a way that said hollow profile carries out a cross-sectional deformation in the elastic range in the case of vertical loading through, for example, a transverse slat (4) and, in this process, is subjected to bending stresses in web regions of its wall (23, 31, 37), said web regions being aligned, at least in part, at an inclination to the direction of loading (5). In this case, the hollow profile (12) is made up of a multiplicity of partial profiles (13) which are arranged evenly adjacently in two orthogonal directions (19, 20), are bounded by walls (23, 31, 37, 56, 60) of substantially equal thickness (24), have longitudinal axes (14) aligned parallel to one another and, together, form a honeycomb-type bending spring cell structure (15) with a mutually offset or interlinked arrangement in which each parallel of the loading direction penetrates at least one partial profile (13).
<IMAGE>

IPC 1-7

A47C 23/06

IPC 8 full level

A47C 23/06 (2006.01)

CPC (source: EP)

A47C 23/064 (2013.01); **A47C 23/067** (2013.01)

Cited by

EP1927302A1; EP1584269A3; DE19930215A1; DE19930215C2; FR2915661A1; EP1086637A1; US6718575B1; WO2008148982A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0519321 A1 19921223; EP 0519321 B1 19970903; AT E157515 T1 19970915; DE 59208841 D1 19971009; DE 9107475 U1 19921015

DOCDB simple family (application)

EP 92109816 A 19920611; AT 92109816 T 19920611; DE 59208841 T 19920611; DE 9107475 U 19910617