

Title (en)  
MATTRESS SUPPORT

Publication  
**EP 0150873 A3 19850904 (DE)**

Application  
**EP 85200033 A 19850116**

Priority  
NL 8400147 A 19840117

Abstract (en)  
[origin: EP0150873A2] 1. Mattress grid with a rectangular frame (1), with a number of laths arranged at a distance from one another in the transverse direction of the frame, and with metal leaf springs (3) fastened between the ends of the laths (2) and the longitudinal members of the frame, the ends of the laths (2) extending above the level of the frame (1), characterized in that the leaf springs (3) each have an essentially horizontal V-shaped profile, with an upper and a lower leg (3a and 3b) which converge in the direction of a connecting region (3c) located on the inside of the frame (1), in that the free length of each leg (3a, 3b) in the non-loaded state of a spring (3) is greater than the vertical distance between the locations of the legs (3a, 3b) at which they are fastened to the end of the lath (2) and to the frame (1), and in that the laths (2) are made resistant to bending, and as a result of the fastening of the upper legs (3a) of the springs (3) to the laths (2) a deformation under load is distributed via the springs and local bending deformations are prevented.

IPC 1-7  
**A47C 23/06**

IPC 8 full level  
**A47C 23/06** (2006.01)

CPC (source: EP)  
**A47C 23/063** (2013.01)

Citation (search report)  
• [YD] BE 745379 A 19700716 - MERTENS NV WERKHUIZEN J  
• [Y] CH 151251 A 19311215 - STOCKER EDUARD [CH]  
• [A] DE 677226 C 19390621 - LUDWIG KOTHIG  
• [A] DE 349424 C 19220302 - PAUL ANFT  
• [A] DE 1958100 A1 19710519 - LOHSE JUERGEN  
• [A] US 2302479 A 19421117 - TALLMADGE EVERETT S

Cited by  
FR2734460A1; EP0519323A1; EP1785071A1; EP0539644A1; US6877174B2; FR2848082A1; FR2793125A1; DE19528119C2; FR2898476A1; EP1836934A1; FR2763490A1; EP0512569A1; EP0852124A3; US6122779A; AU729988B2; EP0463916A1; FR2663829A1; US5282285A; AU646271B2; EP1366693A2; EP0895739A2; WO0067618A1; WO9852442A1; WO9200030A1

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