

Title (en)
ITEMS COMPOSED OF A STEEL FRAME WITH STEEL SPRINGS, BEHAVING AS ELASTIC SUPPORT, FOR THE MANUFACTURING OF MATTRESSES AND CUSHIONS

Publication
EP 0228350 A3 19880127 (EN)

Application
EP 86830337 A 19861110

Priority
IT 4044385 A 19851230

Abstract (en)
[origin: EP0228350A2] Items composed of a steel frame 1 with steel springs 2, behaving as elastic support, for manufacturing of mattresses and cushions with the peculiarity that the frame and the springs are completely embedded in a flexible polyurethane foam 3. The polymeric resin is polymerized and foamed directly in the structure placed in a special mould under controlled process conditions in order to obtain a polymeric foam with desired apparent density in relation to the applications. Eventually external coverings 4 in natural or synthetic material, can be added behaving as cover and/or padding.

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IPC 8 full level
A47C 27/20 (2006.01)

CPC (source: EP)
A47C 27/15 (2013.01); **A47C 27/20** (2013.01)

Citation (search report)
• [X] FR 85189 E 19650625
• [X] US 2994890 A 19610808 - WAGNER WILLIAM T
• [X] FR 2319471 A1 19770225 - PLASSE ROBERT [FR]
• [A] US 2398237 A 19460409 - MAX MARSACK
• [A] US 3393012 A 19680716 - CHANCELLOR JR CHARLES W
• [A] DE 3140340 A1 19830428 - METZELER SCHAUM GMBH [DE]

Cited by
US6425153B1; ES2140305A1; US8895109B2; US9060616B2; US9629467B2; US9332857B2; US9848711B2; WO2015038019A3; WO2015088798A1; WO2014105037A1

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