

Title (en)  
Supporting device

Title (de)  
Stützvorrichtung

Title (fr)  
Dispositif de support

Publication  
**EP 1155643 B1 20050803 (DE)**

Application  
**EP 01111560 A 20010511**

Priority  
DE 10024530 A 20000518

Abstract (en)  
[origin: EP1155643A2] A spring element for supporting a mattress on a support surface has a one piece plastic construction with an upper support plate (2) and a lower support plate (3) linked by knee shaped spring elements (5, 6). A rotating ring (11) around the upper support plate is fitted with cams (12, 13) which can be positioned over the spring elements to form end stops and thereby adjust the hardness of the spring element. One setting option has no cams over the spring elements for a full sprung support.

IPC 1-7  
**A47C 23/00**

IPC 8 full level  
**A47C 23/00** (2006.01)

CPC (source: EP)  
**A47C 23/002** (2013.01)

Cited by  
DE202006012078U1; CN111202383A; EP1716790A1; EP1327404A1; EP1386564A1; EP3400842A1; FR3066088A1; US10722042B2; US10932586B2; JP2004065963A; EP3669706A1; FR3090305A1; US11311113B2; EP3669705A1; FR3090307A1; FR3090306A1; US11311112B2; US11553803B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1155643 A2 20011121; EP 1155643 A3 20020911; EP 1155643 B1 20050803**; AT E300900 T1 20050815; DE 10024530 A1 20011122; DE 20108407 U1 20010802; DE 50106940 D1 20050908; ES 2246958 T3 20060301

DOCDB simple family (application)  
**EP 01111560 A 20010511**; AT 01111560 T 20010511; DE 10024530 A 20000518; DE 20108407 U 20010518; DE 50106940 T 20010511; ES 01111560 T 20010511