

Title (en)  
Supporting device

Title (de)  
Stützvorrichtung

Title (fr)  
Dispositif de support

Publication  
**EP 1155643 A3 20020911 (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)

Citation (search report)

- [A] EP 0401712 A1 19901212 - SUPERBA SA [CH]
- [A] EP 0223617 A2 19870527 - NASA [US]
- [A] US 4962916 A 19901016 - PALINKAS RICHARD L [US]
- [A] EP 0543799 A1 19930526 - SUPERBA SA [CH]

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DOCDB simple family (publication)  
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