

Title (en)
Support by spring mat

Title (de)
Federungsmatte zur Unterfederung

Title (fr)
Support par tapis de ressorts

Publication
EP 1362534 B1 20040616 (DE)

Application
EP 03010551 A 20030512

Priority
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• EP 0212299 W 20021104

Abstract (en)
[origin: EP1362534A1] The sprung mat (10) has spring elements (11) located side by side in a first direction and interconnected for a functional connection at right angles to the first direction. The spring elements are made of metal and are in the main arranged parallel to each other. The spring elements are helical springs at least in the initial state. The spirals of the helical springs rotate one inside the other to create the functional connection. The helical springs are plastically deformed to increase the bearing surface at right angles to the surface in which the spring mat comes to lie.

IPC 1-7
A47C 23/00; **A47C 7/28**; **B60N 2/70**

IPC 8 full level
A47C 7/28 (2006.01); **A47C 7/34** (2006.01); **A47C 23/00** (2006.01); **A47C 7/32** (2006.01); **A47C 23/02** (2006.01); **A47C 23/04** (2006.01); **A63B 22/02** (2006.01); **B60N 2/70** (2006.01); **F16F 1/00** (2006.01)

CPC (source: EP KR US)
A47C 7/285 (2013.01 - EP US); **A47C 23/00** (2013.01 - EP US); **A47C 23/02** (2013.01 - EP US); **A47C 23/12** (2013.01 - KR)

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

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DE 20207605 U1 20030116; AT E269018 T1 20040715; AU 2002350670 A1 20031202; BR 0215712 A 20050222; CA 2484839 A1 20031127; CN 1625358 A 20050608; DE 50300022 D1 20040722; EP 1362534 A1 20031119; EP 1362534 B1 20040616; EP 1505893 A1 20050216; ES 2224087 T3 20050301; HU P0500218 A2 20050829; JP 2005532092 A 20051027; KR 20050004839 A 20050112; PL 372585 A1 20050725; PT 1362534 E 20041029; SI 1362534 T1 20041231; TR 200402314 T4 20041221; US 2004195743 A1 20041007; US 2005253318 A1 20051117; US 7338039 B2 20080304; WO 03096846 A1 20031127

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