

Title (en)
Mattress spring

Title (de)
Matratzenfeder

Title (fr)
Ressort de matelas

Publication
EP 2225973 A3 20110601 (DE)

Application
EP 10002224 A 20100304

Priority
DE 202009003041 U 20090306

Abstract (en)
[origin: EP2225973A2] The spring (1) has a spring body made of plastic and exhibits upper support surface (2), lower support surface (3) and spring elements that are arranged between the upper and lower support surfaces. The spring exhibits a form of a hollow strand profile, where an outer casing (4) of the profile forms all spring components. The outer casing exhibits a wall thickness and forms a closed line in cross section. The spring is manufactured with different elastic couch zones from different plastic material, polymer compounds and/or wall thickness for varying spring stiffness of the mattress.

IPC 8 full level
A47C 27/06 (2006.01); **A47C 27/20** (2006.01)

CPC (source: EP)
A47C 23/0438 (2013.01); **A47C 27/065** (2013.01); **A47C 27/20** (2013.01)

Citation (search report)

- [XY] DE 19607127 C1 19970213 - HUELSTA WERKE HUELS KG [DE]
- [X] EP 0223617 A2 19870527 - NASA [US]
- [X] US 2005172468 A1 20050811 - POPPE WILLY [BE]
- [YD] DE 202006018923 U1 20070222 - HARTMANN SIEGBERT [DE]
- [XP] WO 2009133086 A2 20091105 - KUTSCHI BERNHARD [AT]

Cited by
US9839295B2; US9119478B2; US9226591B2; US9259097B2; US9314108B2; US9314109B2; US9861207B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA ME RS

DOCDB simple family (publication)
DE 202009003041 U1 20090528; EP 2225973 A2 20100908; EP 2225973 A3 20110601; EP 2225973 B1 20120926

DOCDB simple family (application)
DE 202009003041 U 20090306; EP 10002224 A 20100304