

Title (en)

VARIABLE COIL DENSITY ANISOTROPIC INNERSPRINGS

Title (de)

ANISOTROPISCHE INNENFEDERN MIT VARIABLER FEDERDICHTHE

Title (fr)

RESSORTS INTÉRIEURS ANISOTROPES À DENSITÉ DE RESSORTS VARIABLE

Publication

**EP 2244607 A1 20101103 (EN)**

Application

**EP 09708164 A 20090202**

Priority

- US 2009032812 W 20090202
- US 2588808 A 20080205

Abstract (en)

[origin: US2009193591A1] Variable coil density anisotropic innersprings in which the placement and density of the coils or spring units varies between one or more regions or areas of the innerspring to provide innersprings with different average spring rates in different zones or regions of the innerspring. Various anisotropic arrangements of coils in innersprings are disclosed.

IPC 8 full level

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CPC (source: EP US)

**A47C 23/043** (2013.01 - EP US); **A47C 23/0522** (2013.01 - EP US)

Cited by

US11051631B2; US11480228B2; US11076705B2; US11033114B2

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

**US 2009193591 A1 20090806**; AU 2009212687 A1 20090813; BR PI0908426 A2 20160517; CA 2714397 A1 20090813; CN 101990413 A 20110323; EP 2244607 A1 20101103; EP 2244607 A4 20120125; JP 2011510793 A 20110407; MX 2010008675 A 20101025; NZ 587211 A 20121026; WO 2009099993 A1 20090813

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**US 2588808 A 20080205**; AU 2009212687 A 20090202; BR PI0908426 A 20090202; CA 2714397 A 20090202; CN 200980112329 A 20090202; EP 09708164 A 20090202; JP 2010545941 A 20090202; MX 2010008675 A 20090202; NZ 58721109 A 20090202; US 2009032812 W 20090202