

Title (en)

CENTER FIXING ELEMENT FOR A ROTATIONALLY SYMMETRICAL PNEUMATIC SPRING

Title (de)

ZENTRALES BEFESTIGUNGSELEMENT FÜR EINE ROTATIONSSYMMETRISCHE GASFEDER

Title (fr)

ELEMENT DE FIXATION CENTRAL POUR RESSORT A GAZ A SYMETRIE DE ROTATION

Publication

**EP 1360432 A2 20031112 (DE)**

Application

**EP 02716694 A 20020129**

Priority

- DE 10106886 A 20010214
- EP 0200884 W 20020129

Abstract (en)

[origin: WO02064993A2] The invention relates to a center fixing element (10) for a rotationally symmetrical pneumatic spring (70) for use in a vehicle, which comprises a bellows structure that is provided with center bores (57) or recesses in the area of its front sides. The fixing element is fixed on the chassis (5) and normally projects from the surroundings of the fixing point and is enclosed by the bores or recesses. The fixing element comprises a profiled pin (15) or a profiled cap (19), the maximum outer diameter of said pin or cap being at least smaller than a fifth of the maximum outer diameter of the pneumatic spring bellows structure.

IPC 1-7

**F16F 9/04; B60G 15/08**

IPC 8 full level

**B60G 15/08** (2006.01); **F16F 9/04** (2006.01)

CPC (source: EP US)

**B60G 15/08** (2013.01 - EP US); **F16F 9/0454** (2013.01 - EP US); **B60G 2204/128** (2013.01 - EP US); **B60G 2204/4404** (2013.01 - EP US)

Citation (search report)

See references of WO 02064993A2

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)

**WO 02064993 A2 20020822; WO 02064993 A3 20030130;** DE 10106886 A1 20020905; EP 1360432 A2 20031112;  
US 2008036125 A1 20080214

DOCDB simple family (application)

**EP 0200884 W 20020129;** DE 10106886 A 20010214; EP 02716694 A 20020129; US 46817602 A 20020129