

Title (en)

ELASTOMERIC SUSPENSION SPRING FOR MOTOR VEHICLE AND ARTICULATION INCORPORATING SAME

Title (de)

AUFHÄNGUNGBUCHSEN AUS ELASTOMER UND GELENKLAGER FÜR KRAFTFAHRZEUG

Title (fr)

RESSORT DE SUSPENSION ELASTOMERE POUR VEHICULE A MOTEUR ET ARTICULATION L'INCORPORANT

Publication

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Application

EP 02747317 A 20020521

Priority

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Abstract (en)

[origin: WO02094931A1] The invention concerns an elastomeric suspension spring useful for supporting the load of a motor vehicle, having both reduced creep and enhanced torsional toughness, and a suspension articulation including said spring. The inventive elastomeric suspension spring (14) consists of a crosslinked rubber composition based on: a) natural rubber in an amount not less than 60 parts by weight for 100 parts of diene elastomer(s) (pce), b) a filler, and c) a sulphur crosslinking system comprising at least a crosslinking accelerator, and is such that said filler comprises, in a mass fraction more than 55 %: d) a carbon black whereof the grade varies from 600 to 900, said composition comprising in that case a total amount of filler ranging between 10 to 60 pce, or e) an inert white filler, said composition comprising in that case a total amount of filler ranging between 10 to 30 pce, said crosslinking system comprising 0.7 to 1.2 pce of sulphur and being such that the sulphur/crosslinking accelerator mass ratio varies from 0.15 to 2.70.

IPC 1-7

C08L 7/00; **C08K 3/04**; **F16F 1/36**

IPC 8 full level

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CPC (source: EP US)

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C-Set (source: EP US)

1. **C08K 3/04** + **C08L 7/00**
2. **C08L 7/00** + **C08L 2666/08**

Citation (search report)

See references of WO 02094931A1

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