

Title (en)

CYCLE-TYPE VEHICLE SUSPENSION PROVIDED WITH A RESILIENT ELEMENT MAKING IT POSSIBLE TO OBTAIN AN OPTIMAL STATIC COMPRESSION CURVE, AND OPTIMIZED RESILIENT ELEMENT FOR SUCH A SUSPENSION

Title (de)

AUFHÄNGUNG FÜR RADFAHRARTIGES FAHRZEUG MIT EINEM ELASTISCHEN ELEMENT, DAS EINE OPTIMALE STATISCHE KOMPRESSIIONSKURVE ERMÖGLICHT, UND OPTIMIERTES ELASTISCHES TEIL FÜR SOLCH EINE AUFHÄNGUNG

Title (fr)

SUSPENSION DE VÉHICULE DE TYPE CYCLE, DOTÉE D'UN ÉLÉMENT ÉLASTIQUE PERMETTANT L'OBTENTION D'UNE COURBE DE COMPRESSION STATIQUE OPTIMALE, ÉLÉMENT ÉLASTIQUE OPTIMISE POUR UNE TELLE SUSPENSION

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Application

EP 16738484 A 20160624

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Abstract (en)

[origin: WO2016207570A2] The invention relates to a vehicle wheel suspension system including two relatively movable portions, such as two segments of a deformable quadrilateral of a cycle suspension, and a resilient blade that includes two means for mechanical connection to both relatively movable portions, respectively, has a flexural resilience at least 100 times greater than the tensile resilience, and is resiliently deformable between: a rest state in which the blade has an inwardly curved profile, and a maximally extended state in which the blade has an elongate profile, the length of which corresponds to that of the neutral fiber of said blade, while passing through intermediate extension states in which the blade has profiles that are less and less inwardly curved. The suspension system is deformable between: an initial state in which the relatively movable portions are in a close configuration and the blade (2) is in the inwardly curved rest state, and a compressed state in which the relatively movable portions are in a separated configuration and bias the blade (2), via the connection means thereof, into an extended state.

IPC 8 full level

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CPC (source: EP US)

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