

Title (en)
SUSPENDED AXLE FOR A VEHICLE

Title (de)
GEFEDERTE ACHSE FÜR EIN FAHRZEUG

Title (fr)
ESSIEU SUSPENDU POUR VEHICULE

Publication
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Application
EP 05817421 A 20051216

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Abstract (en)
[origin: WO2006067087A1] The invention relates to a suspended axle for a vehicle, comprising a longitudinal arm (5) for each wheel (2), wherein said arm is articulated in relation to the shell of the vehicle in order to enable clearance of the suspension of the wheel, wherein the axle comprises a torsion bar (10), wherein each extremity (11) of the bar is rigidly connected to a longitudinal arm in order to form a rigid part (12) of the axle and the two rigid parts of the axle are connected to each other by a torsion part (13) and the axle is provided with a wheel carrier (3) for each wheel, said wheel carrier being respectively joined to each of the rigid parts, and the axle is characterized in that each wheel carrier is joined to the respective rigid part by means of a front arm (7) and a rear part (9), wherein the links between the wheel carrier and the front arm and rear arm and the links between the front arm (20) and rear arm and the rigid parts provide pivots (14) which are substantially vertical. The axle is configured in such a way that it defines a degree of wheel lock freedom in relation to the rigid part about a lock axis (AB) which is substantially vertical and which intersects with the ground both outside and to the rear of the wheel base (BR).

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