

Title (en)
WHEEL CARRIER MOUNT WITH AN OSCILLATING PLATE

Title (de)
RADTRÄGERLAGERUNG MIT PENDELPLATTE

Title (fr)
LOGEMENT DE SUPPORT DE ROUE A PLAQUE ARTICULEE

Publication
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Application
EP 04723546 A 20040326

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Abstract (en)
[origin: WO2004101299A1] The invention relates to a single-wheel suspension of an inclined, longitudinal or composite strut variety comprising a wheel-guiding inclined, longitudinal or composite strut consisting of a wheel carrier mounted in several elastic pivoting bearings. The elastic pivoting bearings at least partially consist of two concentric rings or a ring and a bolt between which an elastomer body is non-detachably integrated in an at least partial manner. The wheel carrier is supported by means of an oscillating plate both in front of the axis of rotation of the wheel and to the rear of said axis of rotation. Four elastic pivoting bearings are integrated into the oscillating plate. Half of the fixing elements thereof are secured to the strut and the other half are secured to the wheel carrier. According to the invention, a single-wheel suspension with a separately elastically mounted wheel carrier is developed. Said wheel carrier enables a high amount of driving comfort in the presence of lateral, longitudinal and vertical forces.

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