

Title (en)

REAR WHEEL SUSPENSION FOR A VEHICLE THAT CAN TILT ON A CURVE

Title (de)

HINTERRADAUFHÄNGUNG FÜR EIN IN DER KURVE NEIGBARES FAHRZEUG

Title (fr)

SUSPENSION DE ROUE ARRIÈRE POUR VÉHICULE INCLINABLE DANS UNE COURBE

Publication

EP 3371041 A1 20180912 (DE)

Application

EP 16790945 A 20161030

Priority

- CH 16022015 A 20151104
- EP 2016076182 W 20161030

Abstract (en)

[origin: WO2017076783A1] The real wheel suspension comprises two longitudinal trailing arms (1) that can pivot up and down about a transverse axis to the vehicle longitudinal axis, on the ends of which the rear wheels (11, 12) of the vehicle are mounted. The longitudinal trailing arms (1) are directly or indirectly hinged to the outer ends of a balance beam (8), the central rotation point of which (9) is directly or indirectly supported on the chassis (24) by a suspension strut (6, 7). In the forward end region thereof, the longitudinal trailing arms (1) each comprise a pivoting beam (2) projecting upwards or downwards with respect to its direction of extent, which pivot together therewith, wherein said pivoting beams (2) are hinged by the outer ends thereof to the outer ends of the balance beams (8). The central rotation point (9) of the balance beam is rotatably connected to the upper end of a pivot strut (5), said pivot strut (5) of the balance beam (8) being pivotably mounted by the lower end thereof about a transverse axis to the vehicle chassis (24), and on the front side or rear side thereof viewed in the vehicle direction is supported on the chassis (24) by a suspension strut (6, 7) comprising a shock absorber (6) and compression spring (7).

IPC 8 full level

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CPC (source: EP)

B60G 3/145 (2013.01); **B60G 21/05** (2013.01); **B62J 45/4151** (2020.02); **B62K 5/027** (2013.01); **B62K 5/10** (2013.01); **B62K 25/283** (2013.01); **B62K 25/286** (2013.01); **B60G 2300/122** (2013.01); **B60G 2300/45** (2013.01); **B62K 2005/001** (2013.01)

Citation (search report)

See references of WO 2017076783A1

Cited by

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