

Title (en)

MOTOR VEHICLE REAR AXLE ASSEMBLY, AND CORRESPONDING MOTOR VEHICLE

Title (de)

HINTERACHSENANORDNUNG FÜR EIN KRAFTFAHRZEUG UND ENTSPRECHENDES KRAFTFAHRZEUG

Title (fr)

TRAIN ARRIERE DE VEHICULE AUTOMOBILE, ET VEHICULE AUTOMOBILE CORRESPONDANT

Publication

**EP 1971498 A1 20080924 (FR)**

Application

**EP 06847184 A 20061220**

Priority

- FR 2006051394 W 20061220
- FR 0600238 A 20060111

Abstract (en)

[origin: WO2007080295A1] The invention relates to a motor vehicle rear axle assembly (10) comprising: a wheel support (14) having a wheel axle; an oscillating arm (18) connected to the vehicle body; a connection (28) between the wheel support (14) and the arm (18), allowing a rotational movement of the support (14) about an axis of rotation separate from the wheel axle, the connection comprising at least two substantially planar elastic plates (30, 32) contained in two separate planes whose intersection coincides with the axis of rotation, each plate having a first edge (30a, 32a) rigidly connected to the arm and a second edge (30b, 32b) rigidly connected to the wheel support. According to the invention, a damper (42), applied between the arm (18) and the wheel support (14), is intended to reduce the kinetic energy of the wheel support (14) in its movement with respect to the arm (18).

IPC 8 full level

**B60G 21/05** (2006.01); **B60G 7/00** (2006.01); **B60G 99/00** (2010.01)

CPC (source: EP)

**B60G 7/008** (2013.01); **B60G 21/051** (2013.01); **B60G 99/00** (2013.01); **B60G 2200/23** (2013.01); **B60G 2200/464** (2013.01); **B60G 2202/22** (2013.01); **B60G 2202/24** (2013.01); **B60G 2204/129** (2013.01); **B60G 2204/4502** (2013.01); **B60G 2206/016** (2013.01); **B60G 2206/50** (2013.01)

Citation (search report)

See references of WO 2007080295A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**FR 2895938 A1 20070713; FR 2895938 B1 20080404**; BR PI0621097 A2 20120508; CN 101356069 A 20090128; CN 101356069 B 20120523; EP 1971498 A1 20080924; WO 2007080295 A1 20070719

DOCDB simple family (application)

**FR 0600238 A 20060111**; BR PI0621097 A 20061220; CN 200680050871 A 20061220; EP 06847184 A 20061220; FR 2006051394 W 20061220