

Title (en)

LATERALLY ADJUSTABLE CONTROL MEANS FOR VEHICLE FRAMES AND AXLES

Title (de)

SEITLICH VERSTELLBARES STEUERUNGSMITTEL FÜR FAHRZEUGRAHMEN UND-ACHSEN

Title (fr)

ORGANE DE COMMANDE REGLABLE POUR CHASSIS ET ESSIEUX DE VEHICULE

Publication

**EP 0904209 A1 19990331 (EN)**

Application

**EP 97926808 A 19970522**

Priority

- US 9709187 W 19970522
- US 66143296 A 19960611

Abstract (en)

[origin: WO9747484A1] A suspension control system (17) features a rigid V-shaped restraint (21) attached by its apex (23) to the center of the vehicle axle (15) and by the distal ends of its arms (25) to the vehicle frame (3). Each distal end of the restraint (21) attaches to the vehicle frame (3) by a mounting bracket (37) that is supported by both a vehicle frame side rail (5) and a frame cross member (7). In order to compensate for variations in suspension part dimensions that occur inadvertently during manufacture, shims (43) of varying width may be inserted between the mounting brackets (37) and the side rails (5) so as to adjust the lateral position of the restraint (21) and axle (15). By choosing proper shim widths, the restraint (21) and axle (15) may be laterally adjusted so that the vehicle frame (3) is centered between the wheels thus allowing the vehicle to track properly. Alternatively, a Watt linkage may be used in place of the V-shaped restraint.

IPC 1-7

**B60G 7/02**; **B60G 9/02**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 9747484A1

Cited by

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