

Title (en)
ASYMMETRICAL AXLE INSTALLATION

Title (de)
ASYMMETRISCHE ACHSENINSTALLATION

Title (fr)
INSTALLATION D'ESSIEU ASYMÉTRIQUE

Publication
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Application
EP 13764408 A 20130311

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Abstract (en)
[origin: WO2013141778A1] The invention relates to a method and an axle installation (1) for damping of oscillation movements in a vehicle, particularly in a heavy vehicle, e.g. a bus or truck, with the object of effecting a change in resonance frequencies which occur during operation, in order to achieve a more comfortable ride during movement of the vehicle, comprising components such as a wheel shaft (2) suspended in the vehicle's chassis (8) by means of springs (5a-d), spring beams (4a, b) and shock-absorbers (7a-d). The invention is achieved by altering the geometry of the axle installation so that the characteristic and/or distance (a) of a first spring (5a-d) from the wheel shaft (2) differs from the characteristic and/or distance from the wheel shaft (2) of a second spring (5a-d), so that an asymmetry is created in the axle installation (1), causing the natural symmetrical movements of the axle installation (1) to change to asymmetrical movements whose amplitudes/effects in the vehicle are quickly reduced or damped out.

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