

Title (en)  
ASYMMETRICAL AXLE INSTALLATION

Title (de)  
ASYMMETRISCHE ACHSENINSTALLATION

Title (fr)  
INSTALLATION D'ESSIEU ASYMÉTRIQUE

Publication  
**EP 2828105 A1 20150128 (EN)**

Application  
**EP 13764408 A 20130311**

Priority  
• SE 1250276 A 20120321  
• SE 2013050213 W 20130311

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.

IPC 8 full level  
**B60G 11/00** (2006.01); **B60G 9/00** (2006.01); **B60G 11/27** (2006.01)

CPC (source: EP SE)  
**B60G 9/00** (2013.01 - EP); **B60G 11/00** (2013.01 - SE); **B60G 11/27** (2013.01 - EP); **B60G 2200/30** (2013.01 - EP);  
**B60G 2202/152** (2013.01 - EP); **B60G 2202/1524** (2013.01 - EP); **B60G 2204/126** (2013.01 - EP); **B60G 2204/127** (2013.01 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2013141778 A1 20130926**; CN 104245370 A 20141224; EP 2828105 A1 20150128; EP 2828105 A4 20150325; SE 1250276 A1 20130922

DOCDB simple family (application)  
**SE 2013050213 W 20130311**; CN 201380021018 A 20130311; EP 13764408 A 20130311; SE 1250276 A 20120321