Title (en)

Damping device for an undercarriage of a vehicle

Title (de)

Dämpfungseinrichtung für ein Fahrgestell eines Fahrzeugs

Title (fr)

Dispositif amortisseur pour le train de roulement d'un véhicule

Publication

EP 1754911 B1 20111026 (DE)

Application

EP 06112736 A 20060419

Priority

DE 102005018635 A 20050421

Abstract (en)

[origin: DE102005018635A1] A primary absorber (110) or spring absorbs the stroke of the wheel set under the chassis of a rail vehicle. An absorption reducer, with an oscillating frequency range lower than the natural frequency of the wheel set stroke, is provided to the primary absorber. The reducer includes a pressure sensor (210) located on one of the primary absorber chambers (140,150), a processor (220), and a controller (250) such as a proportional valve. The controller regulates the pressure (P1,P2) in each chamber, reducing or switching off the absorption effect. Independent claims are included for the following: (1) a rail vehicle; and (2) a method for absorbing the wheel set strokes of a rail vehicle.

IPC 8 full level

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CPC (source: EP)

B61F 5/24 (2013.01)

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DOCDB simple family (publication)

DE 102005018635 A1 20061102; AT 530799 T 20111115; EP 1754911 A2 20070221; EP 1754911 A3 20080213; EP 1754911 B1 20111026; ES 2373324 T3 20120202; PL 1754911 T3 20120330; PT 1754911 E 20111213

DOCDB simple family (application)

DE 102005018635 A 20050421; AT 06112736 T 20060419; EP 06112736 A 20060419; ES 06112736 T 20060419; PL 06112736 T 20060419; PT 06112736 T 20060419