

Title (en)

TILT COMPENSATOR FOR HIGH-SPEED VEHICLES, IN PARTICULAR RAIL VEHICLES.

Title (de)

NEIGUNGSKOMPENSATOR FÜR SCHNELLFAHRENDE FAHRZEUGE, INSBESONDERE SCHIENENFAHRZEUGE.

Title (fr)

COMPENSATEUR DE L'INCLINAISON DE VEHICULES RAPIDES, NOTAMMENT DE VEHICULES SUR RAILS.

Publication

EP 0393177 B1 19931201 (DE)

Application

EP 89910596 A 19891004

Priority

CH 383288 A 19881013

Abstract (en)

[origin: WO9003906A1] A device for compensating by means of a passive tilting system the tilted position of the superstructure of a rail vehicle driving at high speed in a curve has a tilt compensator (3) which compensates the tendency of the superstructure (1) to tilt outwards when the vehicle is driving in a curve on a raised track (10). The tilt compensator has a four-bar linkage (4) coupled to an energy accumulator which tilts the waggon superstructure (1) inwards. The superstructure (1) is supported on an additional transverse spring and fits without problems into a predetermined delimitation profile (9), without any retraction of the profile (61) of the superstructure due to the transverse tilt. The tendency of the superstructure to tilt outwards when driving in a curve is thus compensated and converted with the assistance of the energy accumulator into an inward tilt.

IPC 1-7

B61F 5/22

IPC 8 full level

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CPC (source: EP US)

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Cited by

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