

Title (en)

Inclination device for articulated vehicles, train formed of vehicles and vehicle equipped with such a device

Title (de)

Neigungsvorrichtung für Gelenkfahrzeuge, Zug bestehend aus Fahrzeugen und Fahrzeuge mit solch einer Vorrichtung

Title (fr)

Dispositif de pendulation de véhicules articulés, rame de véhicules et véhicule comprenant un tel dispositif

Publication

**EP 0808758 A1 19971126 (FR)**

Application

**EP 97401081 A 19970515**

Priority

FR 9606344 A 19960522

Abstract (en)

A pendular suspension system for railway carriages (2,3) has the ends of adjacent carriages mounted on a single bogie (4). One end is connected to a support ring (8S) while the other end is able to tilt relative to it. The relative rotation of the second carriage is obtained by curved guide slots (10S) in the support ring and journals on the second carriage which engage with them. The support ring is mounted on a pivot on a transverse supporting beam (14P) between the two carriages, and a variant of the design can have two support rings with each of the carriages tilting independently relative to them. During operation the degree of carriages' tilt is controlled by means of the bogie via a control system.

Abstract (fr)

La présente invention porte sur un dispositif (1) autorisant une différence angulaire de pendulation entre deux véhicules (2, 3), caractérisé en ce que l'un (2) des véhicules comporte un bout porteur P et l'autre véhicule (3) comporte un bout supporté S, ledit véhicule (2) à bout porteur P et ledit véhicule (3) à bout supporté S étant associés à un bogie médian (4), un anneau supporté (8S) étant associé audit bout supporté S dudit véhicule (3) de telle manière qu'une rotation est possible entre ledit anneau supporté (8S) et ledit véhicule (3) à bout supporté S. <IMAGE>

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CPC (source: EP KR US)

**B61F 5/00** (2013.01 - KR); **B61F 5/22** (2013.01 - EP US)

Citation (search report)

- [A] FR 2108551 A5 19720519 - JAPAN NATIONAL RAILWAY
- [A] FR 1539860 A 19680920 - ATEL CONST NORD DE LA FRANCE
- [A] EP 0683081 A1 19951122 - RAILWAY TECHNICAL RES INST [JP]

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FR3070355A1; DE10022543B4; EP3012172A4; US6397129B1; WO2006070952A1; WO0115953A1; US6278914B1

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