

Title (en)

Device for orientating the axles of a railway vehicle on bends.

Title (de)

Vorrichtung zur Einstellung der Achsen von Schienenfahrzeugen in Kurven.

Title (fr)

Dispositif d'orientation des essieux des véhicules ferroviaires dans des courbes.

Publication

EP 0646510 A1 19950405 (EN)

Application

EP 94114520 A 19940915

Priority

IT MI932100 A 19931001

Abstract (en)

A device for orientating, during travel along a curved track (13), the axles (7, 8) of a railway vehicle (1, 2) connected to at least one similar vehicle to form a train, each vehicle (1, 2) comprising, for its guiding and support along said track, means which contain one axle (7, 8), or several axles (7, 8) possibly associated with each other within a possible bogie, and which are positioned in proximity to the ends (9, 10) of the vehicle; at least one of the guide means of each vehicle (1, 2) forms part of a corresponding articulated structure connected to transmission and connection means (70, 71) which couple two adjacent vehicles (1, 2) and connect the articulated structures associated with the two vehicles together, said means (70, 71) providing articulated connection between the vehicles and, when on a bend, generating a movement of their axles (7, 8) which causes these latter to assume a position inclined to the longitudinal axis (F) of the vehicle (1, 2) and enable the wheels supported by them to follow the radius of curvature of the track (3). <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XA] FR 889383 A 19440107
- [XA] EP 0507146 A1 19921007 - DUEWAG AG [DE]
- [A] GB 830928 A 19600323 - TALGO PATENTES
- [A] DE 892296 C 19531005 - EISEN & STAHLIND AG
- [A] DE 1455167 A1 19690327 - TALGO PATENTES

Cited by

DE19601301A1; EP0838386A1; EP0749881A1; FR2735740A1; ES2133229A1; CN1078551C; EP0968899A1; FR2780374A1; WO9700801A1; WO9828176A1

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