

Title (en)  
Device for the orientation of a single-axle bogie round a curve.

Title (de)  
Ausrichtvorrichtung für ein einachsiges Drehgestell im Gleisbogen.

Title (fr)  
Dispositif d'orientation en courbe d'un bogie à un essieu.

Publication  
**EP 0054830 A1 19820630 (FR)**

Application  
**EP 81110232 A 19811208**

Priority  
FR 8026459 A 19801212

Abstract (en)  
1. A device for the orientation of a single-axle bogie in the radial direction on a curved rail, the device being applicable to a first (1) and to a second vehicle (2) adjacent to the first one, and comprising two stationary anchor points (31, 32) disposed on either side of the longitudinal axes of said first (1) and said second vehicles (2) at a distance of from each one of these axes, the first stationary anchor point (31) being at one end of said first vehicle (1), the second stationary anchor point (32) being at the adjacent end of said second vehicle (2), and comprising, on each bogie, two points of articulation (51, 52, 61, 62) disposed on either side of each one of the longitudinal axes of the two vehicles (1, 2) at a distance b from the respective axes, which is greater than the distance a, these points of articulation being called first (52) and second articulation point (51) respectively on said first vehicle (1) and third (62) and fourth articulation point (61) on said second vehicle (2), and comprising at least four rods (11, 12, 21, 22), the second rod (21) interconnecting said first articulation point (61) and said first anchor point, the third rod (12) interconnecting said first articulation point (52) and said second anchor point, said first and fourth rods (11, 22) being parallel and forming an angle with said second and third rods (21, 12), which are also parallel to each other, if the axes of the vehicles are aligned, characterized in that said first rod (11) couples the second articulation point (51) to the first stationary anchor point (31), that said fourth rod (22) interconnects the third articulation point (62) and the second stationary anchor point (32), and that the device further comprises vertical levers (35) suspended at third (34) and fourth anchor points, each one disposed respectively facing said first (31) and second anchor point (32) at the end facing the adjacent vehicle, and that six longitudinal rods interconnect said first (52), second (51), third (62) and fourth articulation points (61) and the four above mentioned anchor points in such a way, that on one side of said longitudinal axis of the vehicles, a rod (111) connects the second articulation point (51) to said vertical lever (35) suspended at the third anchor point (34) which is connected on the one hand through a rod (211) to the fourth articulation point (61) and on the other hand through the end of said lever (35) and a further rod (36) to the first anchor point (31), and that on the other side of said longitudinal axis of the vehicle three connections are provided which are symmetrical with respect to the above mentioned connections.

Abstract (fr)  
Il comporte des points d'articulation (51, 52, 61, 62) disposés sur l'essieu de chaque véhicule et des points fixes d'ancrage (31, 32) disposés sous les caisses de chaque véhicule (1, 2) aux extrémités en regard de part et d'autre des axes longitudinaux des véhicules (1, 2) et quatre bielles (11, 12, 21, 22) longitudinales reliant chacun des points d'ancrage (31, 32) à deux points d'articulation (51, 61, 52, 62) disposés du même côté des axes longitudinaux du véhicule (1, 2).

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