

Title (en)
ARTICULATED BUTT JOINT FOR SUSPENDED RAILS OF A MONORAIL SUSPENDED RAILWAY

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Abstract (en)
[origin: WO8500629A1] Articulated butt joint for suspended rails of a monorail suspended railway, wherein the connection between the lower flanges is deformable as to be horizontal and vertical transverse forces and wherein the connection between the upper flanges absorbs the horizontal and vertical transverse forces. The aim of the present invention is to provide a butt joint which is more appropriate to withstand the transverse forces generated by the vehicle weight and to further reduce to the minimum the inevitable impact forces upon overrunning the expansion gap, as well as their negative consequences. To this effect, the present invention proposes that the linking elements (5) between the upper flanges be comprised of suspension metal plates (10) secured to the upper flanges, overlapping each other in the longitudinal direction of the rails and provided in the overlapping area with longitudinal holes (11) covering each other and tapered as an arc of a circle and intended to receive a suspension bolt (12), the medial point (13) being located in the middle of the expansion gap and at the height of the rolling surfaces on the upper side of the lower flange.

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