

Title (en)
ELASTIC RAIL CONNECTION FOR TRACK SYSTEMS

Title (de)
ELASTISCHE SCHIENENBEFESTIGUNG FÜR GLEISANLAGEN

Title (fr)
FIXATION DE RAIL ELASTIQUE POUR DES VOIES FERREES

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Application
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Abstract (en)
[origin: WO2006061234A1] The invention relates to a rail connection for track systems, which comprises a tensioning element (1) made of an elastic material, in particular a hardened spring steel, which is deposited in such a manner in the mounted state, between a maintaining plate (3) which is arranged on a threshold (2) and a fastening anchor (4), such that it exerts a maintaining force upon the base (5) of a rail (6) in order to maintain the rail (6) in position. The tensioning element (1) is embodied in a symmetrical manner in relation to a symmetrical plane (7) which is oriented in a vertical manner, said symmetrical plane being perpendicular on the longitudinal axis (8) of the rail (6). According to the invention, the tensioning element (1) comprises two torsion limbs (1a', 1a'') which extend preferably, essentially in a parallel manner in relation to each other in order to obtain stepped overload protection. Both of the torsion limbs (1a', 1a'') are connected together on the side oriented away from the rail (6) by means of a connecting section (1b), and a loop-shaped clamping section (1d', 1d'') is arranged on the end (1c', 1c'') of the torsion limb (1a', 1a'') which is oriented away from the rail (6). The torsion limb (1a', 1a'') together with the connecting section (1b) is arranged, essentially, on a first plane (9) when the tensioning element (1) is not in the tensioned state and at least one part of the loop-shaped clamping section (1d', 1d'') is arranged on a second plane (10). The second plane (10) is rotated about an axis (11) in relation to the first plane (9), which extends in a parallel manner on the sectional axis of the symmetrical plane (7) with the first plane (9).

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