

Title (en)
RAIL MOUNTING DEVICE AND METHOD FOR FIXING RAILS TO REINFORCED CONCRETE RAILWAY SLEEPER

Title (de)
SCHIENENMONTAGEVORRICHTUNG UND VERFAHREN ZUR BEFESTIGUNG VON SCHIENEN AUF STAHLBETON-EISENBAHNSCHWELLEN

Title (fr)
DISPOSITIF DE MONTAGE DE RAILS ET PROCÉDÉ DE FIXATION DE RAILS À UNE TRAVERSE DE CHEMIN DE FER EN BÉTON ARMÉ

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Application
EP 17878675 A 20171206

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Abstract (en)
[origin: WO2018104757A1] The object of the invention relates to a rail mounting device (10) for fixing railway rails (12) to reinforced concrete sleepers (14) which device (10) has a first rail (12) non-fixing state and a second rail (12) fixing state, and which device (10) contains an anchoring element (18) fixed to the reinforced concrete sleeper (14) provided with an open or closed bracket piece (16), and a rail-clamping plate (20) partially or entirely encompassed by the bracket piece (16) of the anchoring element (18), the essence of which is that the rail-clamping plate (20) is a flexible flat plate, and in the first state of the rail mounting device (10), the rail-clamping plate (20) is established at an angle to the upper plane (22) of the reinforced concrete sleeper (14) in such a way that the distance between the first end of the rail-clamping plate (20) closer to the rail (12) and the upper plane (22) of the reinforced concrete sleeper (14) is smaller than the distance between the second end of the rail-clamping plate (20) more distant from the rail (12) and the upper plane (22) of the reinforced concrete sleeper (14), and in the second state of the rail mounting device (10), the rail-clamping plate (20) is fixed to the anchoring element (18) so that its first end is laid on the base (12a) of the rail (12) and the shape of the rail-clamping plate (20) is a convex curve viewed from the direction of the upper plane (22) of the reinforced concrete sleeper (14). The object of the invention also relates to a method for fixing railway rails (12) to reinforced concrete sleepers (14).

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