Title (en)
CROSSING ASSEMBLY FOR POINT SWITCHES AND PROCESSING

Title (de)
HERZSTÜCK FÜR WEICHEN UND KREUZUNGEN

Title (fr)
COEUR DE CROISEMENT POUR AIGUILLAGES ET CROISEMENTS

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Abstract (en)
[origin: WO9807928A1] This invention concerns a rigid crossing assembly for point switches and crossings consisting of two wing rails (1, 3) and one crossing with point (3, 6, 4, 5) situated in between, which together the wing rails form flangeways (11) which run at an acute angle to one another. This invention is characterized in that the crossing with points and the wing rails are elastically connected by rail anchors at both sides of the foot to ribbed base plates (247-253). Thus, the unit of a rigid crossing assembly with wing rails and points fixed with a HS bolt is thus replaced by individual rails. The individual rails each have their own elasticity, so that the crossing assembly behaves like a normal rail in the track with regard to oscillation and dampening. The fish-plate blocks used up until now are no longer necessary. There are plates under the rails with which an elevation adjustment, in particular of the wing rails (1, 2), can be made, so that wear of the rail surface of the wing rails can be compensated for by changing the thickness of the rail pads. The rail pads (42, 43) can be elastic. The rail segments are held essentially free of play transverse to the longitudinal rail axis by ribs (39, 39a, 39b, 40, 41). To exclude longitudinal displacement of the tip to the two wing rails, a correspondingly constructed anticreep device is located in the area of the wing rail ends.

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