

Title (en)

RAIL SWITCH LOCK FOR POINTS TONGUES

Title (de)

WEICHENVERSCHLUSS FÜR WEICHENZUNGEN

Title (fr)

SYSTEME DE VERROUILLAGE D'AIGUILLE POUR LAMES D'AIGUILLE

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Application

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Abstract (en)

[origin: WO0151332A1] The invention relates to a rail switch lock for points tongues (2, 3). The inventive lock comprises at least one locking component (6, 7) for fixing to a rigid rail (4, 5), at least one tongue attachment (8, 9) for fixing to a points tongue (2, 3) and a slide rod (10). The regulating distance of the slide rod (10) is greater than the tongue span (Z) of the points tongue (2, 3) and the points tongue (2, 3) is locked on the rigid rail (4, 5) in one final position thereof. At least one bearing roller (17, 18) is provided on the locking component. The slide rod (10) can be moved in relation to the locking component (6, 7) by means of the bearing roller (17, 18) for adjusting the points tongue (2, 3). The aim of the invention is to provide a rail switch lock that requires only little and essentially constant actuating powers and can be attended and lubricated in a more simple manner. According to the invention, a bell-crank lever (19, 20) that rolls on or along the bearing roller (17, 18) and is articulated to the slide rod (10) and the tongue attachment (8, 9) is provided. Said bell-crank lever (19, 20) engages with the bearing roller (17, 18) in such a way that said bell-crank lever (19, 20) pivots around the point of articulation on the tongue attachment (8, 9) with the free end thereof when the slide rod (10) is adjusted and the points tongue (2, 3) is in the locked state for locking and adjusting the points tongue (2, 3).

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