

Title (en)

METHOD AND DEVICE FOR ENSURING THE OPERATING SAFETY OF A SECTION OF TRACK USED IN BOTH DIRECTIONS

Title (de)

VERFAHREN UND EINRICHTUNG ZUR SICHERUNG EINES IN BEIDEN RICHTUNGEN BEFAHRENNEN GLEISABSCHNITTES

Title (fr)

PROCEDE ET DISPOSITIF DE SECURISATION D'UNE SECTION DE VOIE A DOUBLE SENS DE CIRCULATION

Publication

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Application

**EP 00971107 A 20001016**

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Abstract (en)

[origin: WO0128839A1] The invention relates to a method and a device for ensuring the operating safety of a section of track used in both directions, to which passing tracks are connected by means of a corresponding point. On said track, a means of automatic train control (ZM1, ZM2) is located upstream of each point and a first wheel sensor (R01, R02) is provided upstream of each control means. On both sides of the points, a second or third wheel sensor (R11, R21 or AB1, AB2) is located which lies adjacent to the passing track. Each automatic train control means and each wheel sensor is connected to a control logic (STL). Said control logic, upon reaction of the first wheel sensor at one end of the section of track and the simultaneous non-reaction of the first wheel sensor at the other end, switches the automatic train control means which lies adjacent to the activated sensor into a passive operational state and the other automatic train control means into an active operational state and upon reaction of the second wheel sensor which lies adjacent to the first wheel sensor at one end of the section of track, switches the adjoining automatic train control means into an active operational state. Upon reaction of the third wheel sensor at the other end of the section of track, the control logic is returned to its initial state. The device operates in a decentralised manner, independently of line signals.

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