

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 BEFAHRENEN GLEISABSCHNITTES

Title (fr)

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

Publication

EP 1222100 B1 20040128 (DE)

Application

EP 00971107 A 20001016

Priority

- AT 0000268 W 20001016
- AT 177899 A 19991021

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.

IPC 1-7

B61L 23/22

IPC 8 full level

B61L 23/22 (2006.01)

CPC (source: EP)

B61L 23/22 (2013.01)

Designated contracting state (EPC)

AT CH DE LI

DOCDB simple family (publication)

WO 0128839 A1 20010426; DE 50005156 D1 20040304; EP 1222100 A1 20020717; EP 1222100 B1 20040128

DOCDB simple family (application)

AT 0000268 W 20001016; DE 50005156 T 20001016; EP 00971107 A 20001016