

Title (en)

Method to signal the free and occupied state of track sections in railway shunt arrangements, and device to perform this method

Title (de)

Verfahren zum Frei- und Besetzmelden von Gleisabschnitten in Eisenbahnrangieranlagen und Einrichtung zur Durchführung dieses Verfahrens

Title (fr)

Procédé pour signaler l'état libre et occupé des sections de voie dans des installations de triage de voie ferrée et dispositif pour réaliser ce procédé

Publication

EP 0340597 B1 19960904 (DE)

Application

EP 89107395 A 19890424

Priority

DE 3814858 A 19880502

Abstract (en)

[origin: EP0340597A2] During shunting, it occasionally occurs that a points-circuit zone is prematurely reported as free below an unusually long vehicle by the associated track free report device. Special measures then have to be taken in order to prevent the points turning below this unusually long vehicle. For this purpose, the invention provides for the free report signal of the track free report device (GFAW) only to be evaluated as a free report of the associated track section if it has been ensured that all the axles of a vehicle (FZ) or a group of vehicles travelling over the section have previously travelled into the section. For the first section in the driving direction of a track system, this is determined by an indicator (EL) which detects the completion of the passing of the vehicle or of the group of vehicles. The indicator signal (EFWA) which occurs earlier in time is connected to the free report signal (GFWA ↑) of the track free report device to form a vehicle end code (FEZA) which indicates that the vehicle or the group of vehicles has left the first track section. This vehicle end code (FEZA) is connected, as the vehicle or group of vehicles advances further, to the free report signal (GFZA ↑) of the track free report device of the following track section to form a new vehicle end code (FEWB) for this section which indicates that the second section is completely cleared. This process continues as the vehicle or group of vehicles advances from section to section. <IMAGE>

IPC 1-7

B61L 17/00

IPC 8 full level

B61L 17/00 (2006.01)

CPC (source: EP)

B61L 17/00 (2013.01)

Cited by

CN114802364A; AT407518B; DE3814859A1

Designated contracting state (EPC)

AT BE CH DE ES IT LI

DOCDB simple family (publication)

EP 0340597 A2 19891108; EP 0340597 A3 19901212; EP 0340597 B1 19960904; AT E142154 T1 19960915; DE 58909718 D1 19961010; ES 2091188 T3 19961101

DOCDB simple family (application)

EP 89107395 A 19890424; AT 89107395 T 19890424; DE 58909718 T 19890424; ES 89107395 T 19890424