

Title (en)
METHOD AND DEVICE FOR CONTROLLING A TRAFFIC INSTALLATION

Title (de)
VERFAHREN FÜR DIE STEUERUNG UND ÜBERWACHUNG EINER VERKEHRSTECHNISCHEN ANLAGE

Title (fr)
PROCEDE DE COMMANDE ET DE SURVEILLANCE D'UNE INSTALLATION DE PREVISION D'ECOULEMENT DU TRAFIC

Publication
EP 1109709 A1 20010627 (DE)

Application
EP 99928991 A 19990719

Priority
• CH 9900331 W 19990719
• CH 170498 A 19980819
• CH 19499 A 19990202

Abstract (en)
[origin: WO0010860A1] The invention relates to a method for controlling and monitoring a traffic installation comprising control and monitoring elements, notably switch points (W1, ..., W4), signals (S1, ..., S8) and track non-occupancy indicators (FM1, ..., FM14). By means of a control process based on a track blocking table, which in response to a request for the establishment of a route blocks and controls all setting elements associated with said route such that they are unavailable to other requests for the establishment of other routes and operations, at least two routes for rail vehicles can be set. At least one parameter (1, 2, 3, 4) is assigned to the installation elements (W1, ..., W4; S1, ..., S8; FM1, ..., FM14) which relates to the conditions or assignments to be defined or taken into consideration for each intended route, so that by means of a parameter (1) assigned to the track non-occupancy indicators (FM1, ..., FM14) the track non-occupancy indicator (FM1, ..., FM14) sequence along a route is defined and by means of a further parameter (1) assigned to the other installation elements (W1, ..., W4; S1, ..., S8) the association of said other elements with at least one of the track non-occupancy indicators (FM1, ..., FM14) is defined. As a result of the above parameter assignments the control process based on said assignment permits a simple and safe control of the installation to be controlled. The above control process is further made easier to carry out by the complete and technically executable description of operating conditions. The measures provided for in the invention also permit a more rapid establishment and suppression of travel routes and recognition of disturbances in track non-occupancy indicators.

IPC 1-7
B61L 5/00; **B61L 19/06**; **B61L 21/10**

IPC 8 full level
B61L 21/10 (2006.01); **B61L 19/06** (2006.01)

CPC (source: EP)
B61L 19/06 (2013.01); **B61L 21/10** (2013.01)

Cited by
CN110901701A; EP3608199A4; CN111814280A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0010860 A1 20000302; AT E228451 T1 20021215; DE 59903573 D1 20030109; EP 1109709 A1 20010627; EP 1109709 B1 20021127; HU 223978 B1 20050428; HU P0103280 A2 20011128; HU P0103280 A3 20030428; JP 2002523288 A 20020730; JP 3523203 B2 20040426

DOCDB simple family (application)
CH 9900331 W 19990719; AT 99928991 T 19990719; DE 59903573 T 19990719; EP 99928991 A 19990719; HU P0103280 A 19990719; JP 2000566148 A 19990719