

Title (en)

DEVICE FOR CORRECTING AXLE COUNTING ERRORS IN RAILWAY LAYOUTS

Title (de)

EINRICHTUNG ZUM KORRIGIEREN VON ACHSZÄHLFEHLERN IN EISENBAHNANLAGEN

Title (fr)

INSTALLATION DE CORRECTION DES ERREURS DE COMPTAGE DES ESSIEUX DANS LES INSTALLATIONS FERROVIAIRES

Publication

EP 0662898 B1 19970319 (DE)

Application

EP 93918984 A 19930908

Priority

- DE 9300847 W 19930908
- DE 4233546 A 19921001

Abstract (en)

[origin: WO9407730A1] Correction of the counter result (18) of a counting point (Z3) by the corresponding counter results (20) of neighbouring counting points (Z2, Z4) is permissible only if a further check has been made to ensure that the sections between these counting points which have been signalled as still occupied as a result of the counting difference are actually free; this is preferably done by comparing the counting results of other counting points (Z1, Z5) on either side of the faulty point (Z3). To correct counting errors also in the section containing branched lines, counter results are allocated to all lines in these sections. The free signal conditions for these sections are used to find free signal equations and from the two free signal equations for each counting point is found a correction equation which establishes the condition in which a counter result may be regarded as clearly false and correctable. The counter results are processed in computers which retain the axle counts of the counting points which they passed for each train. The counting point information is allocated to the storage fields in the computers for the individual trains by the concatenation of the counting points by the free signal equations applicable to them.

IPC 1-7

B61L 1/16

IPC 8 full level

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CPC (source: EP)

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Cited by

DE102012217591A1; DE102005023726A1; DE102005023726B4; EP3075625A1; WO2022152352A2; WO2014048708A3

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