Title (en)

Method for improving availability of multi-section axle counters

Title (de)

Verfahren zur Erhöhung der Verfügbarkeit von Mehrabschnitts-Achszähleinrichtungen

Title (fr)

Méthode d'amélioration de la disponibilité de compteurs d'essieux à sections multiples

Publication

EP 0739802 A3 19980114 (DE)

Application

EP 96106061 A 19960418

Priority

DE 19515345 A 19950426

Abstract (en)

[origin: EP0739802A2] The track occupation monitoring system uses a redundant processing system coupled to a number of axle counting points (ZP1,...ZP4) along the monitored track section, for counting the number of train axles entering and leaving the latter to supply a track occupation signal used for signalling and/or points switching applications. When one of the axle counting points (ZP2) fails, the adjacent intact axle counting points (ZP1,ZP4) are used as the entry and exit points of a virtual track section (VA) encompassing the track sections (A1,A2) on either side of the failed axle counting point. A change in the occupation condition of the virtual track section is indicated as a change in the occupation condition of the latter track sections.

IPC 1-7

B61L 1/16

IPC 8 full level

B61L 1/16 (2006.01); **B61L 21/04** (2006.01)

CPC (source: EP)

B61L 1/162 (2013.01); **B61L 21/04** (2013.01)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 311 (M - 0994) 4 July 1990 (1990-07-04)
- [XP] WÜLFRAHT ET AL.: "VERFAHREN ZUR KORREKTUR VON ACHSZÄHLKREISEN AUF BASIS DES MEHRABSCHNITTS-ACHSZÄHLERS", SIGNAL + DRAHT, vol. 87, no. 5, May 1995 (1995-05-01), DE, pages 156 - 162, XP002049708

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Designated contracting state (EPC)

AT CH DE ES GB LI NL PT

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EP 0739802 A2 19961030; **EP 0739802 A3 19980114**; **EP 0739802 B1 20020612**; AT E218998 T1 20020615; DE 19515345 A1 19961031; DE 59609315 D1 20020718; ES 2176373 T3 20021201

DOCDB simple family (application)

EP 96106061 A 19960418; AT 96106061 T 19960418; DE 19515345 A 19950426; DE 59609315 T 19960418; ES 96106061 T 19960418