

Title (en)

Train control system using line conductors with improved vehicle location

Title (de)

System zur linienförmigen Zugbeeinflussung mit verbesserter Fahrzeugortung

Title (fr)

Système de commande de train à conducteurs linéaires avec localisation perfectionnée véhicules

Publication

EP 0593910 B1 19951220 (DE)

Application

EP 93115040 A 19930918

Priority

DE 4235105 A 19921017

Abstract (en)

[origin: EP0593910A1] A system for automatic continuous train control (LZB) is disclosed which, in addition to area junctions (BG1, BG2) which serve as locating reference points, has special locating reference points which are set up at points at which vehicles have to be frequently taken up, or taken up again, into the automatic continuous train control system, for example, at station gridirons or at entrances to route sections not equipped with an automatic continuous train control system. The special locating reference points consist of short line conductor loops (KS1, KS2) which either operate on the frequency of the automatic continuous train control system or at a frequency which is different therefrom but can still be received by the automatic continuous train control system receiving devices of the vehicles. The short line conductor loops transmit special data telegrams which contain precise location information and are evaluated by vehicles which do not know their location. The central control unit of the automatic continuous train control system outputs search data telegrams intermittently, which data telegrams are answered by vehicles which have previously evaluated a special data telegram. <IMAGE>

IPC 1-7

B61L 3/22; **B61L 25/02**

IPC 8 full level

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CPC (source: EP)

B61L 3/225 (2013.01); **B61L 25/023** (2013.01); **B61L 25/026** (2013.01)

Cited by

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