

Title (en)

Track side device for vehicle control

Title (de)

Streckenseitige Einrichtung zur Fahrzeugbeeinflussung

Title (fr)

Dispositif le long d'une voie ferrée pour le contrôle d'un véhicule

Publication

**EP 0705751 B1 19980325 (DE)**

Application

**EP 95250239 A 19950929**

Priority

DE 4437129 A 19941005

Abstract (en)

[origin: DE4437129C1] A railway network has a facility for communicating with a train using data telegrams to provide such as speed indications, warnings or safety switching signals. The system has a railside system with a coupling coil (KK), energy receiving coil (EE) and a control circuit (GKS). When a train passes the coupling spool data telegrams are transmitted (SEN). A transmission loop (SS) also periodically transmits a train position telegram data (STEL).

[origin: DE4437129C1] -NOVELTY : The device has a telegram generator for producing data telegram. A track coupling coil has a control circuit, an energy receiving circuit, and a transmitting unit that delivers the data telegram to a vehicle-sided receiving unit when the vehicle passes the track coupling coil. A transmission loop causes a vehicle position independent, periodic transmission of information or situation coextensive loop telegram (STEL). A control unit prevents the delivery of the data telegram through the transmitting unit by the transmission of the loop telegram. -USE : Track-side device for transferring information of a vehicle e.g. train, from a rail for vehicle control such as monitoring of train maximum speed, display of optical and acoustic warning signal, initiation of automatic train stop and/or for monitoring of train driver. -ADVANTAGE : The device is designed in such a manner that a crosstalk of the data telegram of the track coupling coil on a vehicle coupling coil of the vehicle that drives in opposite direction is excluded.

IPC 1-7

**B61L 3/12**; **B61L 3/22**

IPC 8 full level

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