

Title (en)

Antenna arrangement used for data transmission between vehicle and track

Title (de)

Antennenanordnung zur Datenübertragung zwischen Fahrzeug und Gleisbereich

Title (fr)

Arrangement d'antenne pour la transmission de données entre véhicule et voie

Publication

**EP 1693272 A1 20060823 (DE)**

Application

**EP 06000882 A 20060117**

Priority

- EP 05003550 A 20050218
- EP 06000882 A 20060117

Abstract (en)

The method involves connecting a grounded communication unit to a longitudinal cable (20) for sending and receiving signals. Safety relevant data are transmitted to a channel via a pair of wires (1) of the cable. Another separate channel is provided for transmission of another set of data, and another pair of wires (2) is provided for the former channel. The channels are operated at different frequencies and with different modulations. An independent claim is also included for an antenna arrangement for bidirectional transmission of data for a train control system between a communication unit that is mounted on a rail vehicle and a grounded communication unit.

IPC 8 full level

**B61L 3/22** (2006.01); **H01Q 11/02** (2006.01)

CPC (source: EP)

**B61L 3/225** (2013.01); **H01Q 1/3233** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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