

Title (en)

INSTALLATION FOR THE POINT-TO-POINT TRANSMISSION OF DATA BETWEEN A TRACK AND A VEHICLE PASSING OVER IT

Publication

**EP 0252199 B1 19900912 (FR)**

Application

**EP 86870091 A 19860624**

Priority

- EP 86870091 A 19860624
- TN SN87122 A 19871102

Abstract (en)

[origin: EP0252199A1] 1. Installation for the point-to-point transmission of data between the track and a vehicle travelling on this, consisting of ground equipment (5) fastened to the track and comprising a transmitter which transmits the coded information from a track signal (11) by means of a transmission marker (9), and of on-board equipment (1) accommodated in the vehicle (3) and comprising a receiver (151, 152, 153) connected to at least one reception antenna (13, 15) fastened underneath the vehicle (3) so as to correspond to the transmission marker (9), and at least one computer (155, 156, 157) for decoding and processing the received information, the said computer being connected to a display panel (160), characterized in that the ground equipment (5) comprises at least one means (33, 37, 39) for the sequential binary coding of the track signalling information (11), an active magnetic-field frequency-modulation transmitter (41, 43, 45, 47), a means (51, 53, 55, 57) for comparing the amplitude of the transmitted magnetic field with a threshold and a means (63, 67, 69, 70) for checking the transmitted frequency by means of a transmission marker (9), the means (51, 53, 55, 57) of comparison of the amplitude of the transmitted magnetic field and the means (63, 676 (sic), 69, 57) for checking the transmission frequency being connected to a safety-signal command means (61).

IPC 1-7

**B61L 3/12**

IPC 8 full level

**B61L 3/12** (2006.01)

CPC (source: EP)

**B61L 3/121** (2013.01); **B61L 2003/123** (2013.01)

Cited by

EP1661784A1; US5496003A; EP2112045A1; CN105636852A; EP1172274A1; BE1009635A4; AU711784B2; WO2006056284A1; WO2015055391A3; WO9712796A1; EP0511103B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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**EP 86870091 A 19860624**; AT 86870091 T 19860624; CA 540377 A 19870623; DE 3674205 T 19860624; DZ 870106 A 19870623; ES 8701838 A 19870623; IE 167787 A 19870624; MA 21253 A 19870623; PT 8516087 A 19870624; TN SN87122 A 19871102