

Title (en)

ARRANGEMENT FOR TRANSMITTING A TRANSMISSION SIGNAL FROM A TRANSMITTER TO A RAILWAY VEHICLE IN ORDER FOR LOCALIZATION AND TRANSMISSION OF INFORMATION

Title (de)

ANORDNUNG ZUM ÜBERTRAGEN EINES SENDESIGNALS VON EINEM SENDER ZU EINEM SCHIENENFAHRZEUG ZUR ORTUNG UND INFORMATIONÜBERMITTLUNG

Title (fr)

AGENCEMENT POUR TRANSMETTRE UN SIGNAL D'EMISSION D'UN EMETTEUR A UN VEHICULE SUR RAILS POUR LA LOCALISATION ET LA TRANSMISSION D'INFORMATIONS

Publication

EP 1077859 B1 20020320 (DE)

Application

EP 99932666 A 19990505

Priority

- DE 9901395 W 19990505
- DE 19822114 A 19980508

Abstract (en)

[origin: WO9958388A2] The invention relates to an arrangement for transmitting a transmission signal (S) from a transmitter to a railway vehicle (12) on a section of a track (6) for localization and information transmission purposes. The transmitter (15) is connected to a track conductor (18) arranged in the section of the track (6) and having intersection points. The railway vehicle (12) is provided with a receiver unit (21) that receives the transmission signal (S) and monitors sudden phase changes that occur when the railway vehicle travels over the intersection points (K) of the track conductor (18) in order to localize the railway vehicle. In order to achieve low-interference localization, the invention provides that an occupancy sensor (33) is installed at an entrance point to the track section (6). Said sensor establishes when the railway vehicle enters the track section (6) and emits an occupancy signal (B) indicating that the track section (6) is occupied. The occupancy sensor (33) is also connected to a switching device (36) which is associated with the transmitter (15) and which controls the sensor (15) in such a way that the latter emits a non-modulated transmission signal upon reception of the occupancy signal (B) and then emits a modulated transmission signal after a specific time period has elapsed.

IPC 1-7

B61L 1/00

IPC 8 full level

B61L 1/00 (2006.01); **B61L 3/22** (2006.01); **B61L 25/02** (2006.01)

CPC (source: EP KR US)

B61L 3/22 (2013.01 - KR); **B61L 3/225** (2013.01 - EP US); **B61L 25/026** (2013.01 - EP US); **B61L 2003/226** (2013.01 - EP US)

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family (publication)

WO 9958388 A2 19991118; **WO 9958388 A3 20000302**; AT E214671 T1 20020415; CN 1151938 C 20040602; CN 1299324 A 20010613; DE 19822114 C1 19991230; DE 59901017 D1 20020425; EP 1077859 A2 20010228; EP 1077859 B1 20020320; KR 100634638 B1 20061016; KR 20010071225 A 20010728; US 6402094 B1 20020611

DOCDB simple family (application)

DE 9901395 W 19990505; AT 99932666 T 19990505; CN 99805681 A 19990505; DE 19822114 A 19980508; DE 59901017 T 19990505; EP 99932666 A 19990505; KR 20007012484 A 20001108; US 67493800 A 20001228