

Title (en)

Method and system for extracting a signal term from a magnetic circuit

Title (de)

Verfahren und System zum Extrahieren eines Signalbegriffs aus einem Magnetkreis

Title (fr)

Procédé et système d'extraction d'un concept de signal depuis un circuit magnétique

Publication

**EP 2708439 B1 20180117 (DE)**

Application

**EP 12184070 A 20120912**

Priority

EP 12184070 A 20120912

Abstract (en)

[origin: EP2708439A1] The method involves applying a signal term at a track-side coupling circuit (6). A point data transmission device is operated by a track-side arranged electronic control unit. A test signal is fed into the coupling circuit by an inductive coupling by the control unit. A response signal, which is modified relative to the test signal based on the applied signal term, is read by the inductive coupling by the control unit. The applied signal term is extracted from the modified signal. A telegram corresponding to the extracted signal term is processed and transmitted by the transmission device. The point data transmission device is a European train control system (ETCS)-transparent data-track antenna. An independent claim is also included for a system for processing a signal term for transmission to a rail vehicle.

IPC 8 full level

**B61L 3/12** (2006.01); **B61L 27/00** (2006.01)

CPC (source: EP)

**B61L 3/121** (2013.01); **B61L 27/37** (2022.01); **B61L 2003/122** (2013.01); **B61L 2003/123** (2013.01); **B61L 2027/202** (2022.01)

Cited by

CN107340765A; CN110398949A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2708439 A1 20140319; EP 2708439 B1 20180117**

DOCDB simple family (application)

**EP 12184070 A 20120912**