Title (en)

METHOD, DEVICE, AND TRACK-BOUND VEHICLE, IN PARTICULAR RAIL VEHICLE, FOR DETECTING SIGNALS IN THE TRACK-BOUND TRAFFIC, IN PARTICULAR RAILWAY TRAFFIC

Title (de)

VERFAHREN, VORRICHTUNG UND BAHNFAHRZEUG, INSBESONDERE SCHIENENFAHRZEUG, ZUR SIGNALERKENNUNG IM BAHNVERKEHR, INSBESONDERE SCHIENENVERKEHR

Title (fr)

PROCÉDÉ, DISPOSITIF ET VÉHICULE SUR VOIE, NOTAMMENT VÉHICULE FERROVIAIRE, POUR LA DÉTECTION DE SIGNAL DANS LE TRANSPORT SUR VOIE, EN PARTICULIER LE TRANSPORT FERROVIAIRE

Publication

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Application

**EP 16716846 A 20160408**

Priority

EP 2016057804 W 20160408

Abstract (en)

[origin: WO2017174155A1] The aim of the invention is to automatically detect signals in track-bound traffic (BVK, SVK) when track-bound vehicles (BFZ, SFZ) are traveling on track sections (BST, SST) in a track network (BNE, SNE). According to the invention, this is achieved in that on the basis of a) location-related reference information, which is stored as reference data (RDA) and which is detected along the track section (BST, SST) in the track network (BNE, SNE) with respect to the geographical surroundings and the track-bound traffic signal control, in the form of reference location information (ROI), reference signal state information (RSZI), context and notification information (KHI) which is obtained in the context of the detection process, and optionally additional meta information (MI) relating to the information, and b) a comparison between the operational location information (BOI) and operational signal state information (BSZI), which is detected in the signal detection operation using position data (BOK, SOK), with the stored reference data (RDA), a signal (SI) and/or a signal state (SZ) is detected in order to control the track-bound traffic (BVK, SVK) on the track section (BST, SST). This is the case as a result of analyzing the relevance and content of the information if during the comparison process the detected operational signal state information (BSZI) found for the signal detection corresponds to reference signal state information (RSZI) contained in the reference data (RDA) with respect to the operational location information (BOI) and the corresponding reference location information (ROI) while taking into consideration the context and notification information (KHI), which is contained in the reference data (RDA), and the optionally additionally provided meta information (MI).

IPC 8 full level

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CPC (source: EP RU US)

**B61L 3/065** (2013.01 - EP US); **B61L 15/0092** (2024.01 - EP US); **B61L 23/04** (2013.01 - US); **B61L 23/041** (2013.01 - EP RU US); **B61L 25/021** (2013.01 - US); **B61L 25/025** (2013.01 - EP US); **B61L 27/40** (2022.01 - US); **B61L 27/53** (2022.01 - US); **B61L 27/57** (2022.01 - US); **G06T 7/246** (2016.12 - US)

Citation (search report)

See references of WO 2017174155A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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