

Title (en)

METHOD AND DEVICE FOR DETECTING THE OCCUPIED OR FREE STATUS OF A SECTION OF TRACK

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DETEKTION DES BELEGT- ODER FREIZUSTANDES EINES GLEISABSCHNITTES

Title (fr)

PROCÉDÉ ET DISPOSITIF PERMETTANT DE DÉTERMINER SI UNE PARTIE DE VOIE FERRÉE EST OCCUPÉE OU LIBRE

Publication

EP 2019771 A1 20090204 (DE)

Application

EP 07729054 A 20070511

Priority

- EP 2007054602 W 20070511
- DE 102006024692 A 20060519

Abstract (en)

[origin: US7975968B2] A method and a device for detecting the occupied or free status of a section of track by way of a track current circuit, into which a transmitted signal is introduced and from which at least one detection signal is extracted. A longer maximum possible track length is achieved in that the track current circuit is divided into part sections overlapping over half the length thereof. The transmitted signal is introduced in the middle of each part section into which a rail vehicle enters, detection signals being extracted at both ends of the part section or further transmitted over adjacent part sections to the track circuit ends and extracted there. Each part section is provided in the center and the ends thereof with transceiver devices. The central transceiver device functions as a transmitter and the end transceiver devices function as receivers.

IPC 8 full level

B61L 1/18 (2006.01)

CPC (source: EP KR NO US)

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Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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