Title (en)

DEVICE FOR DETECTING THE OCCUPIED OR AVAILABLE STATUS OF A TRACK SEGMENT AND METHOD FOR OPERATING SUCH A DEVICE

Title (de)

VORRICHTUNG ZUR DETEKTION DES BELEGT- ODER FREIZUSTANDES EINES GLEISABSCHNITTS SOWIE VERFAHREN ZUM BETREIBEN EINER SOLCHEN VORRICHTUNG

Title (fr)

DISPOSITIF DE DÉTECTION DE L'ÉTAT OCCUPÉ OU LIBRE D'UNE SECTION DE VOIE ET PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UN TEL DISPOSITIF

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2012130667A1] The invention relates to a device (V) for detecting the occupied or available status of a track segment (G), having a transmitter (S) for feeding in a transmitted signal (SIGS) into the travel rails (F) of the track segment (G) and at least one receiver (E) for receiving a received signal (SIGE) generated by transmitting the transmitted signal (SIGS) via the travel rails (F) of the track segment (G). In order to simplify commissioning, the device (V) is implemented according to the invention for varying the frequency of the transmitted signal (SIGS), for determining a resonant frequency of the transmitted signal (SIGS), and for adjusting the frequency of the transmitted signal (SIGS) to the determined resonant frequency. The invention further relates to a method for operating a device (V) for detecting the occupied or available status of a rail segment (G).

IPC 8 full level

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CPC (source: EP US)

**B61L 1/187** (2013.01 - EP US); **B61L 1/188** (2013.01 - EP US); **B61L 27/20** (2022.01 - US)

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