

Title (en)

Guarantee of a low-ohm electric connection between wheels of a rail vehicle and rails

Title (de)

Gewährleistung einer niederohmigen elektrischen Verbindung zwischen Rädern eines Schienenfahrzeugs und Fahrschienen

Title (fr)

Assurance d'une connexion électrique à faible impédance entre les roues d'un véhicule sur rail et la voie ferrée

Publication

EP 2380796 B1 20120523 (DE)

Application

EP 11174941 A 20090630

Priority

EP 09008541 A 20090630

Abstract (en)

[origin: EP2277763A1] The vehicle has a feeding device intermittently feeding an alternating voltage to an induction loop (1) such that the loop is supplied with alternating current with periodic interruptions. A time period of the interruption of the feeding process is longer than a time period of the feeding process taken place before the interruption. The feeding device includes a connector to connect the device to an energy source and electronic switching devices. A secondary current loop is formed by wheels (115a-115d, 116a-116d), sections of rails (101, 102) and an electrical connection between the wheels. An independent claim is also included for a method for operating a rail vehicle for ensuring a low-resistive electrical connection between wheels of a rail vehicle and rails.

IPC 8 full level

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CPC (source: EP)

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DOCDB simple family (publication)

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