

Title (en)

DEVICE FOR DETERMINING AT LEAST ONE CHARACTERISTIC OF A RAILWAY RESONANT CIRCUIT, AND TRACKSIDE TRAIN PROTECTION SYSTEM INCLUDING SUCH A DEVICE

Title (de)

VORRICHTUNG ZUR BESTIMMUNG VON MINDESTENS EINER EIGENSCHAFT EINER EISENBAHN-RESONANZSCHALTUNG UND STRECKENSEITIGES ZUGSICHERUNGSSYSTEM MIT SOLCH EINER VORRICHTUNG

Title (fr)

DISPOSITIF POUR DÉTERMINER AU MOINS UNE CARACTÉRISTIQUE D'UN CIRCUIT RÉSONANT FERROVIAIRE, ET SYSTÈME DE PROTECTION DE TRAIN COMPRENANT UN TEL DISPOSITIF

Publication

EP 3424796 A1 20190109 (EN)

Application

EP 17305875 A 20170706

Priority

EP 17305875 A 20170706

Abstract (en)

An electronic determination device (14) is configured for determining at least one characteristic of a railway resonant circuit (12), the resonant circuit being included in a trackside train protection system and configured for transmitting information to an on-board train protection system. The determination device (14) is adapted to be connected between two terminals (16) of the resonant circuit and comprises an injection module (24) configured for injecting at least one input alternating voltage between said terminals; a measuring module (26) configured for measuring at least one resulting voltage between said terminals after injection of a respective input alternating voltage; a determination module (28) configured for determining at least one characteristic of the resonant circuit from the at least one measured resulting voltage; a radio-transmission module (30) for radio-transmitting the at least one determined characteristic to a remote electronic apparatus.

IPC 8 full level

B61L 3/12 (2006.01)

CPC (source: EP)

B61L 3/121 (2013.01); **B61L 2003/122** (2013.01)

Citation (applicant)

EP 2810848 A2 20141210 - DB NETZ AG [DE]

Citation (search report)

- [Y] EP 2960922 A1 20151230 - ALSTOM TRANSP TECH [FR]
- [Y] EP 2821311 A1 20150107 - ALSTOM TRANSP TECH [FR]
- [A] JP 5901555 B2 20160413

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3424796 A1 20190109; **EP 3424796 B1 20220209**; HR P20220559 T1 20220610; RS 63211 B1 20220630; SI 3424796 T1 20220630

DOCDB simple family (application)

EP 17305875 A 20170706; HR P20220559 T 20170706; RS P20220411 A 20170706; SI 201731140 T 20170706