

Title (en)

SAFETY METHOD AND SAFETY SYSTEM FOR A RAILWAY NETWORK

Title (de)

SICHERUNGSVERFAHREN UND SICHERUNGSSYSTEM FÜR EIN GLEISSTRECKENNETZ

Title (fr)

PROCÉDÉ DE SÉCURISATION ET SYSTÈME DE SÉCURISATION POUR RÉSEAU DE VOIES FERRÉES

Publication

EP 3328706 A1 20180606 (DE)

Application

EP 16767170 A 20160906

Priority

- DE 102015218985 A 20150930
- EP 2016070949 W 20160906

Abstract (en)

[origin: WO2017055023A1] The invention relates to a safety method for a railway network, which is divided into section segments (G1, G2,..., Gq) by means of section elements (S1, S2,..., Sp) and which can be traveled by vehicles (Z1, Z2,..., Zr) in accordance with data of components of a section atlas, wherein the vehicles (Z1, Z2,..., Zr) request steps (B, R, M) for allocation as a track element from selected section elements and wherein each (Si with i = 1 to p) of the selected section elements autonomously allocates itself as a track element under specified conditions for each vehicle (Zm with m = 1 to r) that requests the steps for allocation as a track element from said section element. In order to be able to inform the vehicle or the vehicle operators thereof about changed section characteristics better and more quickly, according to the invention, for the section elements (Si with i = 1 to p), the vehicles (Z1, Z2,..., Zr) store manually entered and/or manually released dynamic driving operation data (Dd1, Dd2,..., Ddp) as a dynamic component (Kdyn) of the section atlas (SA) in parts (Dd(Kdyn)1, Dd(Kdyn)2,..., Dd(Kdyn)p) related to the section elements. The invention also relates to a safety system for a railway network.

IPC 8 full level

B61L 11/08 (2006.01); **B61L 13/04** (2006.01); **B61L 25/02** (2006.01)

CPC (source: EP US)

B61L 11/08 (2013.01 - EP US); **B61L 13/04** (2013.01 - EP US); **B61L 25/025** (2013.01 - EP US); **B61L 25/026** (2013.01 - EP US); **B61L 27/10** (2022.01 - US); **B61L 27/40** (2022.01 - US)

Citation (search report)

See references of WO 2017055023A1

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)

DE 102015218985 A1 20170330; AU 2016332485 A1 20180419; AU 2016332485 B2 20190221; CN 108290593 A 20180717; CN 108290593 B 20200821; EP 3328706 A1 20180606; EP 3328706 B1 20190814; ES 2755806 T3 20200423; HK 1256201 A1 20190913; US 10899373 B2 20210126; US 2018290676 A1 20181011; WO 2017055023 A1 20170406

DOCDB simple family (application)

DE 102015218985 A 20150930; AU 2016332485 A 20160906; CN 201680069123 A 20160906; EP 16767170 A 20160906; EP 2016070949 W 20160906; ES 16767170 T 20160906; HK 18115301 A 20181129; US 201615764890 A 20160906