

Title (en)

METHOD FOR SIGNAL-TECHNOLOGY SAFEGUARDING OF RAIL VEHICLES AND SAFEGUARDING SYSTEMS RELATED THERETO

Title (de)

VERFAHREN ZUR SIGNALTECHNISCHEN SICHERUNG SCHIENENGEBUNDENER FAHRZEUGE UND DIESBEZÜGLICHES SICHERUNGSSYSTEM

Title (fr)

PROCÉDÉ DE SÉCURISATION DE VÉHICULES SUR RAILS PAR DES TECHNIQUES DE SIGNALISATION ET SYSTÈME DE SÉCURISATION DE CES VÉHICULES

Publication

EP 2250065 A1 20101117 (DE)

Application

EP 09717001 A 20090223

Priority

- EP 2009052096 W 20090223
- DE 102008012416 A 20080229

Abstract (en)

[origin: US2010327125A1] A method and a protection system for signaling protection of rail vehicles connected to at least one central monitoring facility through a data radio system. In order to eliminate cost-intensive and highly complicated protection technology, the vehicles convey instantaneous position data through the data radio system to the monitoring facility. A safety area is defined around each of the vehicles. The safety area depends on a vehicle speed and a measured value scatter of the positional data collection method being used. A warning area surrounds the safety area and the monitoring facility determines movement-defining data through the vehicle-specific position data, safety areas and warning areas. In order to avoid collision-related overlaps of safety zones and to counteract collision-related overlaps of warning areas, the movement-defining data are transmitted to the affected vehicles by way of the data radio system in the event of collision-relevant overlaps.

IPC 8 full level

B61L 21/10 (2006.01); **B61L 25/02** (2006.01)

CPC (source: EP US)

B61L 21/10 (2013.01 - EP US); **B61L 23/24** (2013.01 - EP US); **B61L 25/025** (2013.01 - EP US); **B61L 2205/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2009109475A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

US 2010327125 A1 20101230; AT E538986 T1 20120115; AU 2009221373 A1 20090911; DE 102008012416 A1 20090910; EP 2250065 A1 20101117; EP 2250065 B1 20111228; WO 2009109475 A1 20090911

DOCDB simple family (application)

US 91953109 A 20090223; AT 09717001 T 20090223; AU 2009221373 A 20090223; DE 102008012416 A 20080229; EP 09717001 A 20090223; EP 2009052096 W 20090223