

Title (en)

Verfahren zur Steuerung von Fahrzeugen auf einem Schienennetz, und entsprechendes System

Title (de)

Method for managing vehicle traffic in a railway network and associated system

Title (fr)

Procédé de gestion de la circulation de véhicules sur un réseau ferroviaire et système associé

Publication

EP 2371662 B1 20130116 (FR)

Application

EP 11305382 A 20110401

Priority

FR 1052472 A 20100401

Abstract (en)

[origin: EP2371662A1] The method involves engaging resources (1-5) e.g. signaling elements, when the resources are allocated to a railway vehicle e.g. train (20). Modification of an engagement state of the resources is required by an on-board controller (21) embarked in the vehicle after a radio object controller (11) is associated with the allocated resources. Verification is made that each resource from a group of resources is identified and allocated according to the required engagement state. Authorization of movement of the vehicles on a path of the railway network is realized using the resources. Independent claims are also included for the following: (1) a controller embarked at an edge of a vehicle circulating on a railway network (2) a controller embarked on a ground and comprising a radio communication unit receiving a resource allocation request (3) a system for management of circulation of vehicles on a railway network.

IPC 8 full level

B61L 23/22 (2006.01); **B61L 11/08** (2006.01); **B61L 27/00** (2006.01)

CPC (source: EP US)

B61L 11/08 (2013.01 - EP US); **B61L 23/22** (2013.01 - EP US); **B61L 27/12** (2022.01 - EP US); **B61L 2011/086** (2013.01 - EP US)

Cited by

EP2835303A1; EP3078564A1; EP2572955A1; FR3009533A1; EP2589524A1; FR2982230A1; EP2607199A1; EP3805071A1; FR3101841A1; EP4234361A1; WO2013092113A1

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

DOCDB simple family (publication)

EP 2371662 A1 20111005; **EP 2371662 B1 20130116**; AU 2011201482 A1 20111020; AU 2011201482 B2 20160915; BR PI1100836 A2 20120814; BR PI1100836 A8 20160621; BR PI1100836 B1 20201027; BR PI1100836 B8 20210302; CA 2736080 A1 20111001; CA 2736080 C 20180501; CN 102238233 A 20111109; ES 2402820 T3 20130509; FR 2958248 A1 20111007; FR 2958248 B1 20120615; RU 2011112363 A 20121010; RU 2559674 C2 20150810; US 2012004796 A1 20120105; US 8820685 B2 20140902

DOCDB simple family (application)

EP 11305382 A 20110401; AU 2011201482 A 20110401; BR PI1100836 A 20110331; CA 2736080 A 20110330; CN 201110129760 A 20110401; ES 11305382 T 20110401; FR 1052472 A 20100401; RU 2011112363 A 20110331; US 201113065813 A 20110330