

Title (en)

SYSTEM AND METHOD FOR COUPLING/UNCOUPLING MOVING GUIDED VEHICLES DURING OPERATION

Title (de)

SYSTEM UND VERFAHREN ZUM KUPPELN / ABKUPPELN VON SICH BEWEGENDE SPURGEBUNDENE FAHRZEUGE IM LAUFENDEN BETRIEB

Title (fr)

SYSTÈME ET PROCÉDÉ D'ACCOUPLEMENT ET DE DÉSACCOUPLEMENT PENDANT LE FONCTIONNEMENT POUR DES VÉHICULES EN DÉPLACEMENT GUIDÉS SUR UNE VOIE

Publication

EP 3250437 A1 20171206 (EN)

Application

EP 15725256 A 20150512

Priority

- EP 15380002 A 20150130
- EP 2015060501 W 20150512

Abstract (en)

[origin: WO2016119912A1] The present invention concerns a system and a method for coupling/uncoupling two guided vehicle units while said guided vehicle units are operated and moving on a track according to a predefined itinerary, the method comprising: - receiving a command for coupling/uncoupling the guided vehicles units; - checking coupling/uncoupling conditions; - locating a coupling/uncoupling track section on the itinerary of the guided vehicle units, wherein the coupling/uncoupling track section is a track section fulfilling criteria defined for ensuring safe coupling/uncoupling operation; - if a coupling/uncoupling track section has been located and the coupling/uncoupling conditions are fulfilled, then automatically performing the coupling/uncoupling of the guided vehicle units when the guided vehicle units enter said coupling/uncoupling track section, otherwise moving the coupled/uncoupled guided vehicles units according to said itinerary until a coupling/uncoupling track section is located or a station is reached.

IPC 8 full level

B61L 23/34 (2006.01); **B61L 3/00** (2006.01); **B61L 15/00** (2006.01); **B61L 25/02** (2006.01); **B61L 27/00** (2006.01); **B61L 27/04** (2006.01)

CPC (source: EP)

B61L 23/34 (2013.01); **B61L 27/04** (2013.01); **B61L 15/0062** (2024.01); **B61L 15/0081** (2013.01); **B61L 25/021** (2013.01)

Citation (search report)

See references of WO 2016119912A1

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)

WO 2016119912 A1 20160804; EP 3250437 A1 20171206; EP 3250437 B1 20200701; ES 2820763 T3 20210422; PT 3250437 T 20200713

DOCDB simple family (application)

EP 2015060501 W 20150512; EP 15725256 A 20150512; ES 15725256 T 20150512; PT 15725256 T 20150512