

Title (en)

SYSTEM AND METHOD FOR TRIGGERING A SENDING OF A MOVEMENT AUTHORITY FOR A GUIDED VEHICLE

Title (de)

SYSTEM UND VERFAHREN ZUM AUSLÖSEN DER VERSENDUNG EINER BEWEGUNGSAUTORITÄT FÜR EIN GEFÜHRTES FAHRZEUG

Title (fr)

SYSTÈME ET PROCÉDÉ POUR DÉCLENCHER UN ENVOI D'UNE AUTORITÉ DE MOUVEMENT À UN VÉHICULE GUIDÉ

Publication

EP 3339133 B1 20190710 (EN)

Application

EP 16380037 A 20161222

Priority

EP 16380037 A 20161222

Abstract (en)

[origin: EP3339133A1] The present invention concerns a method and a system for triggering a sending of a movement authority to a guided vehicle (A) moving on a track (1) of a railway network from a first track section (10) towards a second track section (11) limited by a boundary (15), said method comprising: - acquiring an image of the first track section (10) including the boundary (15) by means of a camera system (31) of a trackside device; - analyzing by means of a processing unit (32) the image acquired by the camera system (31) in order to detect a presence of the guided vehicle (A) in the acquired image of the first track section (10); - if the presence of the guided vehicle (A) is detected by the processing unit (32), then identifying the guided vehicle (A) by means of said processing unit (32); - if the detected guided vehicle (A) has been identified by the processing unit (32), then determining if a portion of track (1) separating a front end of the detected guided vehicle (A) from the boundary (15) is free of any obstacle; - if the detected guided vehicle has been identified and if the portion of track (1) has been determined to be free of any obstacle by the processing unit (32), then triggering a sending of a movement authority to the detected and identified guided vehicle (A) by means of said processing unit (32).

IPC 8 full level

B61L 25/04 (2006.01); **B61L 3/00** (2006.01); **B61L 23/04** (2006.01); **B61L 23/30** (2006.01); **B61L 27/00** (2006.01)

CPC (source: EP)

B61L 15/0062 (2024.01); **B61L 23/041** (2013.01); **B61L 23/30** (2013.01); **B61L 25/04** (2013.01); **B61L 27/20** (2022.01); **B61L 2027/202** (2022.01); **B61L 2027/204** (2022.01)

Cited by

EP4079600A1; CN109827686A; CN109827687A; EP3894880A4; CN114426044A; US11753054B2; WO2021104358A1

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 3339133 A1 20180627; **EP 3339133 B1 20190710**; ES 2749899 T3 20200324; PT 3339133 T 20190910

DOCDB simple family (application)

EP 16380037 A 20161222; ES 16380037 T 20161222; PT 16380037 T 20161222