

Title (en)

System and method for remotely and centrally controlling guided vehicles and trackside devices

Title (de)

System und Verfahren zur entfernten und zentralen Steuerung geführter Fahrzeuge und gleisseitiger Fahrzeuge

Title (fr)

Système et procédé de commande centralisée et à distance de véhicules guidés et dispositifs de voies

Publication

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Application

EP 14380027 A 20140918

Priority

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Abstract (en)

System and method for remotely and centrally control guided vehicles and trackside devices. The present invention concerns a system and a method for remotely controlling trackside devices (21) of independent track sections (S1, S2) and/or on-board devices (22) of independent guided vehicles (11), wherein said independent guided vehicle (11) is configured for moving along a trajectory defined by a track (4) of at least one independent track section (S1, S2), the system (1) comprising: - at least one trackside or on-board device (21, 22) configured for exchanging at least one I/O signal (T, G) with a communication module (23) and being controlled by performing an application logic on said I/O signal (T, G); - the communication module (23) configured for enabling an exchange of said I/O signal (T, G) between the trackside or on-board device (21, 22) and a remote centralized processing system (3); - the remote centralized processing system (3) comprising communication means (33) for communicating with each communication module (23) for exchanging said I/O signal (T, G), said remote centralized processing system comprising at least one processing module (PM) configured for performing said application logic for controlling said trackside or on-board device.

IPC 8 full level

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Citation (search report)

- [X] US 2009173839 A1 20090709 - GROENEWEG KEVIN K [US], et al
- [X] US 2011118913 A1 20110519 - PRETORIUS FRANCOIS [US], et al
- [XI] WO 2011116837 A1 20110929 - SIEMENS SAS [FR], et al
- [XI] WO 2014127969 A2 20140828 - SIEMENS AG [DE]

Cited by

EP3300989A1; FR3056542A1; WO2019011051A1; US10807622B2

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