Title (en)

Route management system for a railway vehicle

Title (de)

Routenverwaltungssystem für ein Schienenfahrzeug

Title (fr)

Sytéme de gestion de l'itinéraire d'un véhicule ferroviaire

Publication

EP 1238883 A1 20020911 (FR)

Application

EP 02290397 A 20020219

Priority

FR 0103263 A 20010309

Abstract (en)

A central controller (38) has a unit which calculates the time duration along a route modified by the system controlling modified route itineraries. The controllers time computing unit calculates the time duration for each block section of the modify route itinerary. The controller can modify the waiting time of the railway vehicle at the arrival point and can modify an itinerary from the arrival point at the same moment the vehicle is traveling the arrival point track. The network includes vehicle position sensors (34) and a CPU (38). The itinerary modification controller includes means to determine a group of possible itineraries between the itinerary change node and the convergence node, and means for comparing the group of itineraries with the initial itinerary according to the closest itinerary to the initial one. In the case where the vehicle has to change its departure platform, the change itinerary node becomes the departure point (12,14) of the vehicle. In the case where the vehicle has its arrival platform changed, the convergence node is a virtual point situated downstream of the point of arrival. The vehicle being stopped at the arrival platform contained in the modified itinerary.

Abstract (fr)

Ce système de gestion de l'itinéraire d'un véhicule ferroviaire circulant sur un réseau ferroviaire (10) entre un point de départ (12, 14) et un point d'arrivée (20, 22) comporte des moyens (36, 38) pour commander une modification de l'itinéraire du véhicule ferroviaire entre un noeud de changement d'itinéraire et un noeud de convergence avec un itinéraire initial. Les moyens pour commander une modification d'itinéraire comportent des moyens (38) pour déterminer l'ensemble des itinéraires possibles entre le noeud de changement d'itinéraires et le noeud de convergence et des moyens (38) pour comparer ledit ensemble d'itinéraires avec un itinéraire initial et choisir l'itinéraire le plus proche de l'itinéraire initial. <IMAGE>

IPC 1-7

B61L 27/00; G01C 21/34

IPC 8 full level

B61L 27/00 (2006.01)

CPC (source: EP US)

B61L 27/14 (2022.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

DE ES GB IT SE

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 02290397 A 20020219; BR 0200670 A 20020307; BR PI0200670 A 20020307; CA 2374166 A 20020307; DE 60231162 T 20020219; ES 02290397 T 20020219; FR 0103263 A 20010309; JP 2002060264 A 20020306; MX PA02002499 A 20020307; US 8118802 A 20020225