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 B1 20090218 (FR)

Application
EP 02290397 A 20020219

Priority
FR 0103263 A 20010309

Abstract (en)
[origin: EP1238883A1] 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.

IPC 8 full level
B61L 27/00 (2006.01); **G01C 21/34** (2006.01)

CPC (source: EP US)
B61L 27/14 (2022.01 - EP US)

Cited by
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DE ES GB IT SE

DOCDB simple family (publication)
EP 1238883 A1 20020911; **EP 1238883 B1 20090218**; BR 0200670 A 20021210; BR PI0200670 B1 20190903; CA 2374166 A1 20020909; CA 2374166 C 20090818; DE 60231162 D1 20090402; ES 2321380 T3 20090605; FR 2821812 A1 20020913; FR 2821812 B1 20031219; JP 2002308102 A 20021023; JP 4294251 B2 20090708; MX PA02002499 A 20040622; US 2002128757 A1 20020912; US 6766228 B2 20040720

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