

Title (en)

Train traffic management system and method for controlling the same

Title (de)

Zugverkehrsverwaltungssystem und Steuerverfahren dafür

Title (fr)

Système de gestion de trafic de train et son procédé de commande

Publication

EP 2735492 A2 20140528 (EN)

Application

EP 13192724 A 20131113

Priority

JP 2012257284 A 20121126

Abstract (en)

This invention aims to support timetable replanning in a manner causing a minimum loss to the train operating company in case of a timetable disruption. There is provided a timetable replanning support device including: a loss management database which stores beforehand loss values caused by train delays to the train operating company based on a plurality of indices including at least train type, delay time and transportation amount; a timetable replanning candidate calculation part which performs calculations to generate at least one timetable replanning candidate based on the current operation plan; a timetable replanning candidate evaluation part which calculates the loss value of the timetable replanning candidate generated by the timetable replanning candidate calculation part based on the loss management database; and a timetable replanning candidate presentation part which presents the timetable replanning candidates in association with the loss values.

IPC 8 full level

B61L 27/00 (2006.01)

CPC (source: EP)

B61L 27/16 (2022.01)

Citation (applicant)

- JP 2001001903 A 20010109 - HITACHI LTD
- JP 2011111058 A 20110609 - NIPPON SIGNAL CO LTD
- JP 2010061321 A 20100318 - RAILWAY TECHNICAL RES INST

Cited by

EP3290290A4; CN107914740A; CN109249963A; EP2821314A3; CN109249962A; CN106541968A; CN112700660A; WO2018019541A1; EP3696048A1

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)

EP 2735492 A2 20140528; EP 2735492 A3 20170215; JP 2014104794 A 20140609; JP 5959419 B2 20160802

DOCDB simple family (application)

EP 13192724 A 20131113; JP 2012257284 A 20121126