

Title (en)

TRAIN-SERVICE MANAGEMENT DEVICE, SYSTEM, AND METHOD

Title (de)

VORRICHTUNG, SYSTEM UND VERFAHREN FÜR ZUGDIENSTVERWALTUNG

Title (fr)

DISPOSITIF, SYSTÈME ET PROCÉDÉ DE GESTION DE SERVICES FERROVIAIRES

Publication

**EP 2913244 A4 20160727 (EN)**

Application

**EP 12887244 A 20121024**

Priority

JP 2012077427 W 20121024

Abstract (en)

[origin: EP2913244A1] When a timetable disruption has occurred, a train operation management apparatus for managing the operation of railway trains proposes a timetable that prioritizes the time points of train arrivals and departures provided that the total cost, based on electrical power consumption required for train operation and the degree of the effect of delays in the form of monetary costs associated with train operation, is lower than that of a timetable that is anticipated to occur due to the timetable disruption. As a result, information for suitably selecting a timetable can be provided when a timetable disruption has occurred.

IPC 8 full level

**B61L 27/00** (2006.01)

CPC (source: EP)

**B61L 27/16** (2022.01)

Citation (search report)

- [X1] US 5828979 A 19981027 - POLIVKA ALAN L [US], et al
- [A] EP 1764280 A1 20070321 - HARRIS CORP [US]
- See references of WO 2014064778A1

Cited by

EP3351453A4; EP3243726A1; WO2017194416A1; US10773741B2

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 2913244 A1 20150902; EP 2913244 A4 20160727**; AU 2012393186 A1 20150507; AU 2019203608 A1 20190613; AU 2019203608 B2 20200723; JP 6026551 B2 20161116; JP WO2014064778 A1 20160905; WO 2014064778 A1 20140501

DOCDB simple family (application)

**EP 12887244 A 20121024**; AU 2012393186 A 20121024; AU 2019203608 A 20190522; JP 2012077427 W 20121024; JP 2014543057 A 20121024