

Title (en)
TRAIN OPERATION MANAGEMENT SYSTEM

Title (de)
ZUGBETRIEBSLEITSYSTEM

Title (fr)
SYSTÈME DE GESTION DE FONCTIONNEMENT DE TRAIN

Publication
EP 3578436 A1 20191211 (EN)

Application
EP 19175751 A 20190521

Priority
JP 2018108586 A 20180606

Abstract (en)
After setting a starting point A and an arrival point B, an operation management apparatus extracts a route traveling on the track R up to the arrival point B of the own train 10a. Subsequently, the own train 10a travels on the extracted route, trouble positions that hinder traveling are extracted, and among these trouble positions, a trouble position first existing is extracted as a trouble point S. Once only an occupied section T1 up to the trouble point S is locked in the route and the trouble point S is set, the own train 10a starts traveling in the occupied section T1. By repeating operation management control of route-locking only the occupied section T1 up to a trouble point S first existing on the route, and then traveling, unnecessary passage waiting is prevented based on the route-locking by another train 10.

IPC 8 full level
B61L 27/00 (2006.01)

CPC (source: CN EP)
B61L 27/16 (2022.01 - CN EP); **B61L 27/20** (2022.01 - EP)

Citation (applicant)
JP 2000229574 A 20000822 - HITACHI LTD

Citation (search report)

- [I] WO 2018001674 A1 20180104 - SIEMENS AG [DE]
- [A] EP 3235706 A1 20171025 - ALSTOM TRANSP TECH [FR]
- [A] EP 3222490 A1 20170927 - SIEMENS RAIL AUTOMATION S A U [ES]

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

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