Title (en)

Train operation control system, train operation simulation device, and train operation simulation method

Title (de)

Zugbetriebssteuersystem, Zugbetriebssimulationsvorrichtung und Zugbetriebssimulationsverfahren

Title (fr)

Système de commande du fonctionnement d'un train, dispositif de simulation d'opération de train et procédé de simulation du fonctionnement d'un train

Publication

EP 2821314 A3 20150708 (EN)

Application

EP 14172247 A 20140613

Priority

JP 2013139382 A 20130703

Abstract (en)

[origin: EP2821314A2] A train operation simulator (200) avoids occurrence of deadlock while automatically setting train courses and sequence information by a step (510) of updating weather-disaster information (351) and human flow information (352), a step (520) of simulating a physical state, a step (530) of generating a train course and conducting a train course change when an interrupted part has occurred due to a disaster, a step (570) of controlling a signal on the train course, and a step (580) of conducting state rewinding when deadlock has occurred and giving a sequence restriction to prevent reoccurrence of deadlock.

IPC 8 full level

B61L 27/00 (2006.01)

CPC (source: EP)

B61L 27/16 (2022.01); **B61L 27/60** (2022.01); B61L 27/12 (2022.01)

Citation (search report)

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- [A] EP 2402229 A1 20120104 - UNIV STUTTGART [DE]
- [A] US 2013116916 A1 20130509 - KICKBUSCH JOEL [US]
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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 2821314 A2 20150107; **EP 2821314 A3 20150708**; JP 2015013487 A 20150122

DOCDB simple family (application)

EP 14172247 A 20140613; JP 2013139382 A 20130703