Title (en)

VEHICLE ALLOCATION SUPPORT SYSTEM, METHOD, AND PROGRAM

Title (de)

FAHRZEUGZUWEISUNGSUNTERSTÜTZUNGSSYSTEM, -VERFAHREN UND -PROGRAMM

Title (fr)

SYSTÈME D'ATTRIBUTION DE VÉHICULE, PROCÉDÉ ET PROGRAMME CORRESPONDANTES

Publication

EP 3623257 B1 20211103 (EN)

Application

EP 19159979 A 20190228

Priority

JP 2018169394 A 20180911

Abstract (en)

[origin: EP3623257A1] Provided are: a constraint management unit that manages a constraint condition defined for each vehicle yard and a facility condition defined for each time and/or route; a vehicle candidate extraction unit that searches for a vehicle that is allocable to a train in a train diagram so as to satisfy the constraint condition and the facility condition and to be capable of transporting the given number of passengers with demand to extract a candidate of a vehicle to be allocated to the train; and an influence determination unit that calculates operation cost based on influence degrees which is degrees of influence on a shunting plan, a crew plan, and a work plan, for the extracted candidate.

IPC 8 full level

B61L 17/00 (2006.01); **B61L 27/00** (2006.01)

CPC (source: EP)

B61L 17/00 (2013.01); **B61L 27/12** (2022.01); **B61L 27/16** (2022.01)

Cited by

CN112693503A; CN112046556A

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 3623257 A1 20200318; **EP 3623257 B1 20211103**; JP 2020040520 A 20200319; JP 7022039 B2 20220217

DOCDB simple family (application)

EP 19159979 A 20190228; JP 2018169394 A 20180911