

Title (en)

INTELLIGENT TRAIN SCHEDULING METHOD

Title (de)

INTELLIGENTES ZUGPLANUNGSVERFAHREN

Title (fr)

PROCÉDÉ DE PLANIFICATION DE TRAIN INTELLIGENT

Publication

**EP 3141451 A4 20180321 (EN)**

Application

**EP 15789529 A 20150226**

Priority

- KR 20140054221 A 20140507
- KR 2015001860 W 20150226

Abstract (en)

[origin: EP3141451A1] A train scheduling method of an intelligent train scheduling system included obtaining train schedule information which includes train line information and information about operation time of each train; generating a time extension network which includes stations, as nodes, at which the trains included in the train schedule information stop, lines, as edges, between the stations included in the train schedule information, and operation time information of each train included in the train schedule information; and calculating predictive information about a traffic volume in each section and a traffic volume of each train for the train schedule on the basis of the time extension network.

IPC 8 full level

**B61L 27/00** (2006.01)

CPC (source: EP KR)

**B61L 25/00** (2013.01 - KR); **B61L 27/14** (2022.01 - EP); **B61L 27/16** (2022.01 - EP); **B61L 27/40** (2022.01 - EP); **G06Q 50/40** (2024.01 - KR); **G16Z 99/00** (2019.02 - KR)

Citation (search report)

- [XA] WO 2014061111 A1 20140424 - HITACHI LTD [JP]
- [XA] JP 2010195238 A 20100909 - HITACHI LTD
- See also references of WO 2015170820A1

Cited by

WO2021046619A1

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 3141451 A1 20170315**; **EP 3141451 A4 20180321**; **EP 3141451 B1 20201223**; JP 2017515728 A 20170615; JP 6375588 B2 20180822; KR 101608251 B1 20160401; KR 20150127429 A 20151117; WO 2015170820 A1 20151112

DOCDB simple family (application)

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