

Title (en)
TRAIN DRIVING ASSISTANCE SYSTEM

Title (de)
ZUGFÜHRER-ASSISTENZSYSTEM

Title (fr)
SYSTÈME D'ASSISTANCE À LA CONDUITE DE TRAIN

Publication
EP 3219573 A1 20170920 (EN)

Application
EP 17157199 A 20170221

Priority
JP 2016051815 A 20160316

Abstract (en)
A train driving assistant system according to one embodiment includes a ground side system that includes a predicted timetable calculation processing unit which calculates a predicted timetable; and an onboard side system that includes a motor/brake control processing unit which transmits a motor/brake control signal, and a train position/speed acquisition processing unit which creates travel record data by acquiring a position and a speed of a train, in which a running profile calculation processing unit that calculates a running profile of the train on the basis of the predicted timetable is included in at least one of the ground side system and the onboard side system.

IPC 8 full level
B61L 3/00 (2006.01); **B61L 27/00** (2006.01)

CPC (source: EP)
B61L 15/0062 (2024.01); **B61L 27/16** (2022.01); **B61L 27/20** (2022.01)

Citation (applicant)

- JP H10329718 A 19981215 - MITSUBISHI ELECTRIC CORP
- JP 2000335419 A 20001205 - TOSHIBA CORP
- JP 2004080838 A 20040311 - TOSHIBA CORP

Citation (search report)

- [X] US 5828979 A 19981027 - POLIVKA ALAN L [US], et al
- [X] US 2014058570 A1 20140227 - KUMAR AJITH KUTTANNAIR [US], et al
- [X] US 2013325224 A1 20131205 - YAMAMOTO JUNKO [JP], et al
- [X] EP 2974939 A1 20160120 - HITACHI LTD [JP]

Cited by
CN109109913A; CN112046557A; CN108163018A; CN116001847A; CN111169508A; CN115782846A; CN113104067A; CN112572545A; CZ309568B6; CN110936982A; CN111527019A; EP3753805A4

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 3219573 A1 20170920; AU 2017201725 A1 20171005; AU 2017201725 B2 20181101; JP 2017165237 A 20170921

DOCDB simple family (application)
EP 17157199 A 20170221; AU 2017201725 A 20170314; JP 2016051815 A 20160316