

Title (en)

RAILWAY TRAIN OPERATION CONTROL METHOD AND SYSTEM

Title (de)

EISENBahnZUGBETRIEBSSTEUERUNGSVERFAHREN UND -SYSTEM

Title (fr)

PROCÉDÉ ET SYSTÈME DE COMMANDE DE FONCTIONNEMENT DE TRAIN

Publication

EP 3744605 A4 20220309 (EN)

Application

EP 19912800 A 20191122

Priority

- CN 201910085204 A 20190129
- CN 2019120150 W 20191122

Abstract (en)

[origin: EP3744605A1] Provided is a railway train operation control method. The method comprises: determining whether a train meets an automatic driving condition, and if so, outputting prompt information indicating that the train is allowed to enter an automatic driving mode; if it is detected that an ATO starting button on an operating platform of a driver has been triggered, controlling the train to enter the automatic driving mode; determining whether the train is at an intermediate station, and whether the train is in a non-dispatched state, and if so, determining whether the train is in the automatic driving mode, wherein the intermediate station refers to stations other than a starting station and a terminal station in a train travel route; and when the train is located at an intermediate station, is in the non-dispatched state, and is in the automatic driving mode, and if the ATO starting button has been triggered by the driver, controlling, by means of the automatic driving mode, the train to automatically depart from a station, automatically operate between stations, automatically stop at a station, perform a door-opening protection function, and perform linked control of train doors/platform doors.

IPC 8 full level

B61L 27/04 (2006.01); **B61C 17/00** (2006.01); **B61C 17/12** (2006.01); **B61L 15/00** (2006.01)

CPC (source: CN EP)

B61C 17/00 (2013.01 - CN); **B61C 17/12** (2013.01 - EP); **B61L 15/0072** (2013.01 - EP); **B61L 27/04** (2013.01 - EP)

Citation (search report)

- [A] US 2012197466 A1 20120802 - YOSHIMOTO KOKI [JP], et al
- [A] "CTCS-3 train control system overall technical program (V1.0) [machine translation of the title]", 1 January 2011 (2011-01-01), pages 163 pp., XP055169268, Retrieved from the Internet <URL:http://wenku.baidu.com/view/10bd765d804d2b160b4ec09d.html> [retrieved on 20150212]
- See references of WO 2020155803A1

Cited by

CN113309440A; CN114620078A; EP3744605B1

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 3744605 A1 20201202; EP 3744605 A4 20220309; EP 3744605 B1 20230104; CN 109649418 A 20190419; SG 11202008372P A 20200929; WO 2020155803 A1 20200806

DOCDB simple family (application)

EP 19912800 A 20191122; CN 201910085204 A 20190129; CN 2019120150 W 20191122; SG 11202008372P A 20191122