

Title (en)

METHOD AND SYSTEM FOR CONTROLLING VEHICLE DOOR AND LIGHTING DURING RAIL VEHICLE CLEANING

Title (de)

VERFAHREN UND SYSTEM ZUR STEUERUNG VON FAHRZEUGTÜR UND BELEUCHTUNG WÄHREND DER REINIGUNG VON SCHIENENFAHRZEUGEN

Title (fr)

PROCÉDÉ ET SYSTÈME DE COMMANDE DE PORTE DE VÉHICULE ET D'ÉCLAIRAGE PENDANT LE NETTOYAGE D'UN VÉHICULE FERROVIAIRE

Publication

**EP 4159577 A4 20240605 (EN)**

Application

**EP 20938487 A 20201120**

Priority

- CN 202010454839 A 20200526
- CN 2020130347 W 20201120

Abstract (en)

[origin: EP4159577A1] Provided are a method and system for controlling a vehicle door and lighting during rail vehicle cleaning. By activating a locked vehicle mode, a vehicle door is controlled to be closed and locked, and lighting is simultaneously controlled to be turned off. By activating a cleaning mode, a local door switch is allowed to control a vehicle door switch and the lighting is simultaneously controlled to be turned on. When sanitary cleaning is being carried out, vehicle door and lighting control in a cab is not needed, and cooperation of professional maintenance personnel or drivers is not needed, thus saving manpower and material resources. Meanwhile, in the locked vehicle mode, the vehicle door cannot be opened by means of an emergency unlocking device, thus preventing persons other than professional maintenance personnel, a driver or a cleaner from entering the vehicle, thereby enhancing management of personnel boarding the vehicle, reducing potential safety hazards, and ensuring vehicle safety.

IPC 8 full level

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CPC (source: CN EP)

**B61C 17/00** (2013.01 - CN); **B61D 19/00** (2013.01 - EP); **B61D 29/00** (2013.01 - CN EP); **B61L 15/0072** (2013.01 - EP); **E05B 81/54** (2013.01 - CN)

Citation (search report)

- [A] CN 108035649 A 20180515 - HUNAN MAGLEV TRANSP DEVELOPMENT CO LTD, et al
- [A] US 2017113704 A1 20170427 - HÖRLENDSEBERGER CHRISTIAN [AT]
- See references of WO 2021238105A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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