

Title (en)

RAIL TRANSIT VEHICLE, AND DOOR CONTROL METHOD AND SYSTEM FOR RAIL TRANSIT VEHICLE

Title (de)

SCHIENENTRANSITFAHRZEUG UND TÜRSTEUERUNGSVERFAHREN UND -SYSTEM FÜR SCHIENENTRANSITFAHRZEUG

Title (fr)

VÉHICULE DE TRANSPORT FERROVIAIRE, ET PROCÉDÉ ET SYSTÈME DE COMMANDE DE PORTE POUR UN VÉHICULE DE TRANSPORT FERROVIAIRE

Publication

EP 4198240 A4 20240207 (EN)

Application

EP 20949416 A 20201123

Priority

- CN 202010814117 A 20200813
- CN 2020130772 W 20201123

Abstract (en)

[origin: EP4198240A1] Disclosed is a rail transit vehicle. The rail transit vehicle comprises a plurality of carriages, wherein each of the carriages comprises a plurality of doors respectively arranged on two sides of the carriage; each of the doors is correspondingly provided with a door controller for receiving a door control signal and controlling the door to be opened or closed; the door control signal comprises a door opening instruction, a door closing instruction, a zero-speed signal, a door enabling signal and a platform enabling signal; and when the door opening instruction, the zero-speed signal, the door enabling signal and the platform enabling signal are all in effect, the door controller controls the corresponding door to be opened. Also disclosed are a door control method and system for a rail transit vehicle. By means of same, vehicle safety can be improved.

IPC 8 full level

E05F 15/632 (2015.01); **E05F 15/659** (2015.01)

CPC (source: CN EP)

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Citation (search report)

- [X] JP 2018062271 A 20180419 - RAILWAY TECHNICAL RES INST, et al
- [X] JP 2010012869 A 20100121 - NIPPON SIGNAL CO LTD
- [X] CN 111119652 A 20200508 - CRRC ZHUZHOU LOCOMOTIVE CO LTD
- [A] JP 2007015574 A 20070125 - KAWASAKI HEAVY IND LTD
- See also references of WO 2022032923A1

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EP 4198240 A1 20230621; **EP 4198240 A4 20240207**; CN 111874023 A 20201103; CN 111874023 B 20220408; WO 2022032923 A1 20220217

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